

BIBLIOGRAPHIES

CHAPTER 2 BIBLIOGRAPHY

Aminoff, M. J. (Ed). 1986. *Electrodiagnosis in Clinical Neurology*. 2nd Ed New York Churchill Livingstone. Pp. 755.

Atlas, S. W. (ed.) 1991 *Magnetic Resonance Imaging of the brain and spine*. New York: Raven Press.

Caplan, L. R., L. D. Dewitt and J. C. Breen. 1999. Neuroimaging in patients with cerebrovascular disease. In Greenberg, J. O. cited above. pp 493-520

Chiappa, K. H. 1989. *Evoked potentials in clinical medicine* - 2nd ed. New York: Raven Press.

Coughlin, W. and G. Sze. 1993. Spinal imaging. *Current Opinion. Neurology and Neurosurgery*. 6:571-575.

Daly, D. a. and T. A. Pedley. (Ed). 1990. *Current Practice of Clinical Eletroencephalography*. 2nd edition. N. Y. Raven Press.

Denny-Brown, D. 1957. *Handbook of Neurological Examination and Case Recording* - 2nd ed. Cambridge, Harvard University Press.

Edelman, E. R. and S. Warach. 1993. Medical Progress - Magnetic resonance imaging. *N. Eng. J. Med.* 328:708-716, 785- 791.

Greenberg, J. O. (Ed.) 1999. *Neuroimaging: A Companion to Adams and Victor's Principles of Neurology*. 2nd edition. New York Mc Graw Hill. Pp 821.

Martin, J.H., J. C. M. Brust and S.Hilal. 1991. Imaging the living brain. (in) eds. E. R. Kandel, J. H. Schwartz and M. S. Jessell. Niedermeyer, E. and F. Lopes Da Silva. 1999. *Electroencephalography: Basic Principles, Clinical Applications and Related Fields*. Philadelphia. Lippincott Williams and Wilkins. Pp 1258.

Polachini, I. Jr. 1999. Magnetic resonance angiography. In Greenberg, J.O. cited above. pp.667-725.

Shaebitz, W. and M. Fisher. 1999. Diffusion-perfusion MRI and magnetic resonance spectroscopy in cerebrovascular disease. In Greenberg, J. O. cited above 625-633.

Siewert, B., M.R. Patel and S. Warach. 1995. Magnetic resonance angiography. *The Neurologist* 1:167-184.

CHAPTER 3 BIBLIOGRAPHY

Neurocytology 1992. Greenfield's Neuropathology. Oxford Press.

Barr M, R Bertram. 1949. A morphological distinction between neurons of the male and female, and the behavior of the nucleolar satellite during accelerated nucleoprotein synthesis. *Nature* 163:676-678.

Bentivoglio MH, GJM Kuypers, CE Catsman-Berrevvoets, H Loewe, O Dann. 1980. Two new fluorescent retrograde neuronal tracers which are transported over long distances. *Neurosci. Lett.* 18:25-30.

Bodian D. 1970. An electron microscopic characterization of classes of synaptic vesicles by means of controlled aldehyde fixation. *J. Cell Biol.* 44:115.

Brightman J. 1989. The anatomic basis of the blood-brain barrier. In EA Neuwelt (ed.): *Implications of the Blood-Brain Barrier and Its Manipulation*, vol. 1, p 125. New York: Plenum.

Brady ST. 1985. A novel brain ATPase with properties expected for the fast axonal transport motor. *Nature (London)* 317:73-75.

Colonnier M. 1969. Synaptic patterns on different cell types in the different laminae of the cat visual cortex. An electron microscopic study. *Brain Research* 33:268-281.

Cowan WM, DI Gottlieb, AE Hendrickson, JL Price, TA Woolsey. 1972. The autoradiographic demonstration of axonal connections in the central nervous system. *Brain Research* 37:21-51.

Darnell J, H Lodish, D Baltimore. 1990. *Molecular Cell Biology*, 2nd ed. New York: Scientific American Books.

Davis EJ, TD Foster, WE Thomas. 1994. Cellular forms and functions of brain microglia. *Brain Res. Bull.* 34:73-78.

De Duve C, R Wattiaux. 1966. Functions of lysosomes. *Ann. Rev. Physiol.* 28:435.

Finger S. 1994. *Origins of Neuroscience: A History of Exploration into Brain Function*. New York: Oxford.

Gage FH. 2002. Neurogenesis in the adult brain. *J. Neurosci.* 22:612-613

Goodman CS. 1994. The likeness of being; phylogenetically conserved molecular mechanisms of growth cone guidance. *Cell* 78:353-356.

Graftstein B, DS Forman. 1980. Intracellular transport in neurons. *Physiol. Rev.* 60:1167-1183.

Gray EG. 1959. Axosomatic and axodendritic synapses of the cerebral cortex; an electron microscopic study. *J. Anat.* 93:420.

Guth L, S Jacobson. 1966. The rate of regeneration of the cat vagus nerve. *Exp. Neurol.* 14:439.

Haase A. 1986. Pathogenesis of lentivirus infections. *Nature* 322:130-136.

Hall ZW, JR Sanes. 1993. Synaptic structure and development: The neuromuscular junction. *Cell* 71/Neuron 10: 99-121.

Heimer L. 1970. Bridging the gap between light and electron microscopy in the experimental tracing of fiber connections. In WJH Nauta, SOE Ebbesson (eds.): *Contemporary Research Methods in Neuroanatomy*. New York: Springer Verlag.

Heimer L, MJ Robards. 1981. *Neuroanatomic Tract-Tracing Methods*. New York: Plenum.

- Herman I, S Jacobson. 1988. In situ analysis of microvascular Pericytes in hypertensive rat brain, *Tissue and Cell* 20:1-12.
- Horner PJ, FH Gage, 2000. Regenerating the damaged central nervous system, *Nature* 407: 963-970.
- Hutton M. 2000. *Ann. NY Acad Sci* 920 63:
- Jacobson S, L Guth. 1965. An electrophysiological study of the early stages of peripheral nerve regeneration. *Exp. Neurol.* 11:48.
- Kernakc DR, P.Rakic. 1976. Continuations of neurogenesis in the hippocampus of the adult macaque monkey. *Proc. Natl. Acad. Sci. USA* 96:5768-5773
- Lasek RJ, BS Joseph. 1967. Radioautography as a neuroanatomic tracing method. *Anat. Rec.* 157:275-276.
- LaVail JH, MM LaVail. 1972. Retrograde axonal transport in the central nervous system. *Science* 176:1416-1417.
- Lechan R, J Nester, S Jacobson. 1981. Immunohistochemical localization of retrogradely and anterogradely transported wheat agglutinins (WGA) within the central nervous system of the rat: Application to immunostaining of a second antigen within the same neuron. *J. Histochem. Cytochem.* 29:1255-1262.
- Levi-Montalcini R, PU Angeletti. 1968. Biological aspects of the nerve growth factor. In EE Woolstenholme, M O'Connor (eds.): *Growth of the Nervous System*. Boston: Little, Brown.
- Ling EA, W Wong Glai. 1993. The origin and nature of ramified and amoeboid microglia: A historical review and current concepts. *Glia* 7:9-18.
- McQuarrie IG. 1988. Cytoskeleton of the regenerating nerve. In PJ Reier, RD Bunge, FJ Seil (Eds.): *Current Issues in Neural Regeneration Research*, pp 23-32. New York: A. R. Leiss.
- Nauta WJH. 1957. Silver impregnation of degeneration axons. In WF Windle (ed.): *New Research Techniques of Neuroanatomy*. Springfield, Ill.: Charles C Thomas.
- Neuwelt EA, SA Dahlborg. 1989. Blood-brain barrier disruption in the treatment of brain tumors: Clinical implications. In EA Neuwelt (ed.): *Implications of the Blood-Brain Barrier and Its Manipulation*, vol. 2, pp 195-262.
- Oppenheim RW. 1991. Cell death during development of the nervous system. *Ann. Rev. Neurosci.* 14:453-501.
- Palay SL. 1967. Principles of cellular organization in the nervous system. In GC Quarten, T Melnechuk, FO Schmitt (eds.): *The Neurosciences: A Study Program*. New York: Rockefeller University Press.
- Price SD, RB Brew, J Sidtis, M Rosenblum, A Scheck, P Cleary. 1988. The brain in AIDS: Central nervous system HIV-1 infection and AIDS dementia complex. *Science* 231:586-592.
- Ramón y Cajal S. 1928. *Degeneration and Regeneration of the Nervous System*. London: Oxford.
- Ramón y Cajal S. 1909. *Histologie du système nerveux de l'homme et des vertèbres*. Paris: J. A. Maloine.
- Rasmussen GT. 1957. Selective silver impregnation of synaptic endings. In WF Windle (ed.): *New Research Techniques of Neuroanatomy*. Springfield, Ill.: Charles C Thomas.
- Reese TS, MJ Karnovsky. 1968. Fine structural localization of the blood-brain barrier to exogenous peroxidase. *J. Cell Biol.* 34:207.
- Rio-Hortega P del. 1919. El Tercer elemento de los centros nerviosos. *Boletín de la Sociedad española de biología* 9:69-120.
- Scharrer E. There also have been attempts to interfere with apoptotic that can produce a deleterious cascade on the cell

1966. Endocrines and the Central Nervous System. Baltimore: Williams & Wilkins.
- Schwartz J. 1980. The transport of substances in nerve cells. *Sci. Am.* 242:152-171.
- Sedgwick JD, R Dorries. 1991. The immune system response to viral infection. *Neurosciences* 3:93-100.
- Serafini T, TE Kennedy, MJ Galko, C Mizrayan, TM Jessel, M Tessler-Lavigne. 1994. The netrins define a family of axon outgrowth-promoting proteins homologous to *C. elegans* UNC-6. *Cell* 78:409-424.
- Sladek JR Jr, DM Gash. 1984. *Neural Transplants: Development and Function*. New York: Plenum Press.
- Swank RL, HA Davenport. 1935. Chlorate-osmic formalin method for staining degenerating myelin stain. *Stain. Tech.* 10:87.
- Vale RD. 1987. Intracellular transport using microtubule based molecules. *Ann. Rev. Cell Biol.* 3:347-378.
- Vale RD, TS Reese, MP Sheetz. 1985. Identification of a novel force-generating protein, kinesin, involved in microtubule based motility. *Cell* 42:39-50.
- Vaughn JE, AE Peters. 1968. A third neuroglial cell type. *J. Comp. Neurology* 133:269-288.
- Weiss PA, MB Hiscoe. 1948. Experiments on the mechanism of nerve growth. *J. Exp. Zool.* 197:315-396.
- Wislocki GB, EH Leduc. 1952. Vital staining of the hematoencephalic barrier by silver nitrate and trypan blue and cytological comparisons of neurohypophysis, pineal body, area postrema, intercolumnar tubercle and supraoptic crest. *J. Comp. Neurol.* 96:371.
- Wujek JR, RK Lasek. 1983. Correlation of axonal regeneration and slow component B in two branches of a single axon. *J. Neurosci.* 3:243-251.
- Young JZ. 1942. Functional repair of nervous tissue. *Physiol. Rev.* 22:318.

CHAPTER 4 BIBLIOGRAPHY

Adams, R. and Sidman, R.L.: Introduction to Neuropathology. 1968. New York, McGraw-Hill.

Victor, M and A Ropper. 2001. *Principals of Neurology*, 7th Edition; New York, McGraw Hill.

Bambergger ME, Landreth, GE. 2000. Inflammation, apoptosis and Alzheimer's disease. *Neuroscientist* 8:276-283.

Becker, L.E., D.L. Armstrong, and F. Chan. Dendritic atrophy in children with Down's syndrome. *Ann. Neurol.* 20: 520. 1986

Berry, M. and Rogers, A.W.: Histogenesis of mammalian neocortex. 1966. In Hassler, R., and Stephans, H. (eds.): *Evolution of the Forebrain*. New York, Plenum Press, 197.

Crelin, E.S. Development of the nervous system. 1974. *CIBA Clin Symp.* 26(2).

Goodman, C.S. 1994. The likeness of being: phylogenetically conserved molecular mechanisms of growth cone guidance. *Cell* 78:353-356.

Greenfield's Neuropathology. 1992. Fifth Edition, Oxford Press, .

Jacobson, M. 1978. *Developmental Neurobiology*. 2nd Ed, Plenum Press New York.

Lemire, R.J. 1975. Normal and abnormal development of the human nervous system. New York, Harper & Row.

Majon, G and I. Joris. 1995. Review. Apoptosis, oncosis, and necrosis. An Overview of Cell Death. *Amer. J. Path.* 146: 3-15.

Marin-Padilla, M. 1972 Structural abnormalities of the cerebral cortex in human chromosomal aberrations: a Golgi study. *Brain Research*, 44:625.

Rakic, P. 1972. Mode of cell migration in the superficial layers of fetal monkey neocortex. *J. Comp Neurol.* 145:61-84.

Reiner, R., C.Y. Carrazo, Y. Shen, M. Weinert, F. Fanstmetta, and W.B. Dubyns. 1993. Isolation of a Miller Dieker Lissencephaly gene containing G protein Beta-subunit-like repeats. *Nature* 364: 717.

Serafinin, T, T.E. Kennedy, M.J. Galko, C. Mirzayan, T.M. Jessell and M. Tessler-Lavigne. 1994. The netrins define a family of axon outgrowth-promoting proteins homologous to *C. elegans* UNC-6. *Cell* 78: 409-424.

Sonj HJ, Ssstevesn CF, Gage FH. 2002 .Neural stem cells from adult hippocampus develop essential properties of fucnitons CNS neurons. *Nature Neurosci.* 5: 438-45.

Taylor, R. Cell death makes for lively research. 1993. *J. NIH. Res* 5: 59-62.

BIBLIOGRAPHY - CHAPTER 6

MUSCLE AND NEUROMUSCULAR JUNCTION

GENERAL

- Adams, R.D, M.Victor and A. H. Ropper. 1997. Principles of Neurology. 6th ed. New York:McGraw Hill.pp 1386-1499
- Brooke, M. H. 2000. Disorders of skeletal muscle. In Bradley, W.G., R.B. Daroff, G.M. Fenichel and C.D. Marsden (Ed). Neurology in Clinical Practice. 3rd Edition. Boston. Butterworth Heinemann. 2187-2235.
- Drachman, D.D. 1986. Pathophysiology of the Neuromuscular Junction. (in) Diseases of the Nervous System, Clinical Neurobiology. Eds. A.K.Asbury, G.M.McKhann and W.I. McDonald. London. Wm. Heinemann, 257-268.
- Drachman, D.D. 1994. Medical Progress - Myasthenia gravis. N.Engl.J.Med. 330:1797-1810.
- Ebashi, S. 1991. Excitation-contraction coupling and the mechanism of muscular contraction. Ann.Rev.Physiology, 53:1-16.
- Hudson, A.J., G.C.Ebers and D.E.Bulman. 1995. The skeletal muscle sodium and chloride channel diseases.Brain. 118:547-563.
- Josephson, J.H. 1993. Contraction dynamics and power output in skeletal muscle. Ann.Rev.Physiol. 55:527-546.
- Kuncl, R.W., and E.B.George. 1993. Toxic Neuropathies and Myopathies.Current Opinion in Neurology. 6:695-704.
- Laufer and Changeux, 1989. Activity-dependent regulation of gene expression in muscle and neuronal cells. Molecular Biology. 3:1-30.
- Lindstrom, J., R.Schoepfer and P.Whiting. 1987. Molecular studies of the neural nicotinic acetylcholine receptor family. Molecular Neurobiology. 1:281-338.
- Lisak, R.P. (ed) 1994. Handbook of myasthenia gravis and myasthenic syndromes. New York: Marcel Dekker, Inc. pp.704.
- Mastalgia, F.L. and V.J. Ojeda. 1985. Inflammatory myopathies. Ann. Neurol. 17:215-227.
- Newsome-Davis, J. 1992. Diseases of the neuromuscular junction. (in) eds. Asbury A.S., McKhann, G.H., and McDonald, W.I. Diseases of the nervous system: Clinical Neurobiology. 2nd ed. W.O.Heinemann, London.
- Peachy, L.D., and R.H.Adrian. 1983. Skeletal Muscle: Handbook of Physiology. Bethesda, MD: American Physiological Soc.
- Penn, A.S., D.P.Richman, R.I, Ruff and V.A. Lennon (ed.) 1993. Myasthenia Gravis and Related Syndromes. Ann.N.Y.Acad.Sci. 681:1-622.
- Richman, D.P. (Ed). 1998. Myasthenia Gravis and Related Diseases. Ann. N.Y.Acad.Sci. 841: 1-838.
- Sanders, D.C. (ed.) 1994. Myasthenia Gravis and Myasthenic Syndromes. Neurologic Clinics. 12:229-442.
- Sigurgeirsson, B., et al. 1993. Risk of cancer in patient with dermatomyositis or polymyositis. N.Eng.J.Med. 326:363-367.
- Simmons, R.M. 1992. Muscular Contraction. Cambridge: Cambridge Univ.Press.
- Walton, J. (ed.) 1988. Disorders of Voluntary Muscle 5th ed. Edinburgh: Churchill Livingstone.

SPECIFIC REFERENCES AND CITATIONS

- Arahata, K., K.Ishihara, F. Kana Kura, et al. 1989. Mosaic expression of dystrophin in symptomatic carriers of Duchenne's muscular dystrophy. *N.Eng.J.Med.* 320:135-42.
- Barohn, R.J. 1993. Distal myopathies and dystrophies. *Seminars in Neurology.* 13:247-255.
- Bartlett, J.C. 1986. Infant botulism in adults. *N.Eng.J.Med.* 315:254-255.
- Blalock, A., M.F.Mason, H.J.Morgan, et al. 1939. Myasthenia myositis. *N. Eng. J. Med.* 292:344-348, 403-407.
- Brock, J.D., M. E . McCulloch, H. G. Horley, A. J. Buckler, et al. 1992. Molecular basis of myotonic dystrophy: expansion of a trinucleotide (CTG) repeat at the 3' end of a transcript encoding a protein kinase family member. *Cell.* 68:799-808.
- Brown, R.H., Jr. 1989. Prednisone therapy for Duchenne's muscular dystrophy. *N. Eng. J. Med.* 320:1592-1597.
- Chia, J.K., J. B. Clark, C.A.Ryan et al. 1986. Botulism in an adult associated with food-borne intestinal infection with *Clostridium botulinum*. *N. Eng. J. Med.* 315:239-241.
- Dalakas, M.C. 1991. Polymyositis, dermatomyositis and inclusion body myositis. *N.Eng.J.Med.* 325:1487-1498.
- Darras, B.P., J.F.Harper, and V.Francke. 1987. Prenatal diagnosis and detection of carrier with DNA probes in Duchenne's muscular dystrophy. *N.Eng.J.Med.* 316:985-992.
- Davis, J.E. 1987. Changing profile of pesticide poisoning. *N.Eng.J.Med.* 316:807-808.
- DiMauro, S., E. Monillo, M. Zevian, et al. 1985. Mitochondrial myopathies. *Ann.Neurol.* 17:521-538.
- Drachman, D.B. 1978. Medical Progress: Myasthenia gravis. *N. Eng. J. Med.* 298:136-142, 186-193.
- Drachman, D.B. 1987. Present and future treatment of myasthenia gravis. *N.Eng.J.Med.* 316: 743-745.
- Dubowitz, V.1997. The muscular dystrophies-clarity or chaos? *N.Eng.J.Med.* 336:650-651.
- Duggan, D.J., J. R. Gorspe, M. Fanin et al. 1997. Mutations in the sacroglycan genes in patients with myopathy. *N.Engl.J.Med.* 336:618-624.
- Engel, A.G. 1984. Myasthenia gravis and myasthenic syndromes. *Ann. Neurol.* 16: 519-534.
- Engel, A.G., M. Tsujihata, E. H. Lambert, J. M. Lindstrom and V. A. Lennon. 1976. Experimental autoimmune myasthenia gravis: a sequential and quantitative study of the neuromuscular junction ultrastructure and electrophysiologic correlations. *J. Neuropath.Exper.Neur.* 35:569-587.
- Engel, A.G., and T. Sartai. 1971. Histometric analysis of the ultra structure of the neuromuscular junction in myasthenia gravis and in the myasthenic syndrome. *Ann.N.Y.Acad.Sci.* 183:46-83.
- Fambrough, D.M., D. B. Drachman, S. Satyamari. 1973. Neuromuscular junction in myasthenia gravis: decreased acetylcholine receptors *Science.* 182:293-295.
- Fardeau, M. 1982. Congenital myopathies in skeletal muscle pathology. eds. F. L. Mastalgia and J. Walton. Churchill & Livingston:Edinburgh: pp.161-203.

Grob, D., E.L.Arsura, G.Brunner et al. 1987. The course of myasthenia gravis and therapies affecting outcome. *Ann. N. Y. Acad. Sci.* 505:472- 499.

Hoffman, E.P., L.M.C. Kunkel, C. Angelini et al. 1989. Improved diagnosis of Becker's muscular dystrophy by dystrophin testing. *Neurology.* 39: 1011-1017.

Isenberg, D. 1984. Myositis in other connective tissue disorders. *Clin. Rheum. Dis.* 10:151-174.

Korf, B. 1995. Molecular Medicine - molecular diagnosis. *N.Eng.J.Med.*1218-1220.

Lang, B., S. Waterman, A. Pinto, et al. 1998.The role of autoantibodies in Lambert-Eatom myasthenic syndrome. *Ann. N. Y. Acad. Med.*841: 596-605.

Lindstrom, J.M., M. F. Seybold, V. A. Lennon et al. 1976. Antibody to acetylcholine receptor in myasthenia gravis: Prevalence, clinical correlates and diagnostic value. *Neurology.* 26:1054-1059.

Mastalgia, F.C. ed. 1988. *Inflammatory Disease of Muscle.* Oxford: Blackwell, p.203.

Moser, H. 1984. Duchennes muscular dystrophy: pathogenetic aspects and genetic prevention. *Hum. Gent.* 66: 17-40.

Owen, C.A., S. J. Mubasek, A. R. Haggars, L. Rutherford. 1979. Intramuscular pressures with limb compression: clarification of the pathogenesis of the drug-induced muscle compartment syndrome. *N. Eng. J. Med.* 300:1169-1172.

Padberg, G.W. 1993. The muscular dystrophies and dystrophin. *Current Opinion in Neurology.* 6: 688-694.

Patrick, J. and J. Lindstrom. 1973. Autoimmune response to acetylcholine receptor. *Science.* 180:1871-1872.

Pourmand, R. (Ed.). 2000. *Metabolic Myopathies.* Neurologic Clinics. 181-271.

Ptacek, L.J., R. Tawil, R. C. Griggs et al. 1994. Dihydropyridine receptor mutations cause hypokalemic periodic paralysis. *Cell.* 77:863-868.

Ptacek, L.J., K. J. Johnson, R. C. Griggs. 1993. Mechanisms of disease: Genetics and physiology of the myotonic muscle disorders. *N. Engl. J. Med.* 328:482-489.

Rowland, L.P. 1988. Clinical concepts of Duchennes muscular dystrophy: the impact of molecular genetics. *Brain.* 111:479-496.

Rowland, L.P. 1987. Therapy in myasthenia gravis. *Ann.N.Y.Acad.Sci.* 505:566-567.

Rowland, L.N., R. B. Layzer, and S. DiMauro. 1986. Pathophysiology of metabolic muscle disorders (in) *Diseases of the Nervous System: Clinical Neurobiology.* 2nd ed., eds. A.K.Asbury, G.M.McKhann and W.T.McDonald. Wm.Heinemann, London: pp.197-207.

Schumm, F., H. Wietholter, A. Fateh-Moghadown et al. 1985. Thymectomy in myasthenia with pure ocular symptoms. *J.Neurol.Neurosurg. Psychiat.* 48: 332-337.

Sekul, E.A. and M. C. Dalakas. 1993. Inclusion body myositis: new concepts. *Seminars in Neurology,* 13:256-263.

Senanoyake, N., and L. Kalliede. 1987. Neurotoxic effects of organophos-phorous: an intermediate syndrome. *N. Eng. J. Med.* 316:761-3.

Sher, E., A. Codignola, M. Passafaro, et al .1998. Nicotinic receptors and calcium channels in small cell lung carcinoma: functional role, modulation, and autoimmunity. *Ann. N.Y. Acad. Sci.* 841:606-624.

Shelbourne, P. et al. 1993. Direct diagnosis of myotonic dystrophy with a disease specific DNA marker. N. Eng. J. Med. 328: 471-475.

Toyka, K.V., D. B. Drachman, D. E. Griffin et al. 1977. Myasthenia gravis: study of humoral mechanisms by passive transfer to mice. N.Eng. J.Med., 296:125-131.

Wang, Y.H., S. Amirhaeri, S. Kang et al. 1994. Preferential nucleosome assembly at DNA triplet repeats from the myotonic dystrophy gene. Science. 265:669-671.

Watt, G., R.D.G. Theakston, C. G. Hayes et al. 1986. Positive response to edrophonium in patients with neurotoxic envenoming by cobras (*Naja philippinensis*). N.Eng.J.Med. 315: 1444.

Weinberg, D. and E. J. Mark. 1994. Case Records of the Massachusetts General Hospital - A 61-year-old man with muscular weakness. N. Eng. J. Med. 331:528-536.

Younger, D.S., A. Jasetzki, III, A. S. Penn et al. 1987. Maximum thymectomy for myasthenia gravis. Ann. N. Y. Acad. Sci. 505:832-835.

Zacks, S.I., U. C. Bauer, J. M. Blumberg. 1962. The fine structure of the myasthenic neuromuscular apparatus. J. Neuropath. Exper. Neurol. 21:335.

References Chapter 7 Spinal Cord

- Abel Majuid, T. And D. Bowsher. 1985 The gray matter of the dorsal horn of the adult human spinal cord. *J. Anat.* 142: 33-58.
- Asanuma. H. The pyramidal tract. In V. B. Brooks(Ed). *Handbook of Physiology. Section I. The Nervous System. Vol II. Motor control*, Bethesda Md. American Physiological Society 1981. 703-733.
- Becksted , R. J..Morse and R. Norgeren. 1980. The nucleus of the solitray tract in the monkey. *J. Comp Neurol* 198:259-282.
- Brodal, A. *The Cranial Nerves. Anatomy and Anatomical Clinical Correlation.* Oxford Blackwell, London.1965.
- Brodal, A. *The reticular formation of the brain stem* Springfield. Charles c. Thomas. 1957
- Burton,H. and A. Craig. Distribution of trigeminothalamic neurons in cat and monkey. *Brain Res.* 161:515-521, 1979
- Carpenter, M.B. *Core Text of Neuroanatomy*, 4th ed. Baltimore, Williams and Wilkins, 1991.
- Everts, E. Role of motor cortex in voluntary movement in primates. In V. B. Brooks(Ed) *Handbook of Physiology. Section I. The Nervous System. Vol II. Motor Control.* Bethesda MD. American Physiological Society pp 1083-1120.
- Finger. T. and W. Silver. *Neurobiology of Taste and Smell.* New York, Wiley. 1987.
- Foote, S. F. Bloom, and G. Aston-Jones Nucleus locus cereuleus. New evidence of anatomical and physiological specificity. *Physiol. Rev* 63: 844-914, 1983.
- Hobson J. and M. Brazier. ED) 1983 The reticular formation revisited. *Brain Res* 6: 1-564.
- Moore, B and F. Bloom. Central catecholamine neuron systems; Anatomy and physiology of thenoreephinephrine and epinephrine systems. *Ann Rev Neurosci* 2:113-168. 1978
- Norgren, R. `Central Mechansims of taste. In Darian-Smith(ed0*Handbook of Physiology. Section I. The Nervous System. Vol III.Sensory Processes.* Bethesda, MD. American Physiological Socienty, pp 1087-1128,1984.
- Riley, H.A. *Brain Stem and Spinal Cord.* New York, Hafner, 1960. Sinclair, D, *Touch in Primates.* Ann Rev. Neurosci 5:155-194. 1982.
- Wall , P and R. Melzak. *Textbook of Pain.* Edinburgh, Churchill Livingston. 1989.
- Willis W. 1985. Nocioceptive pathways. Anatomy and physiology of nociceptive ascending pathways. *Phil Trans. Roy Soc. London(biol)* 308: 252-268.

BIBLIOGRAPHY CHAPTER 8

PERIPHERAL NERVE AND NERVE ROOT.

GENERAL

Adams, R.D., M. Victor AND a. h. Ropper. 1997. Principles of Neurology 6th ed. New York. McGraw Hill.pp 1302-1369.

Asbury, A.K. 1992. Disorders of peripheral nerve (in) Asbury, A.K., G.M.McKhann, W.I.McDonald eds. Diseases of the Nervous System: Clinical Neurobiology. 2nd ed. Volume 1. London: Wm. Heinemann. pp.252-269.

Bosch, E.P. and B. E. Smith. 2000. Disorders of peripheral nerves. In Bradley, W.G., R.B. Daroff, G.M. Fenichel and C.D. Marsden (Ed). Neurology in Clinical Practice. 3rd Edition. Boston. Butterworth Heinemann. 2045-2130

Chad, D. A. 2000. Disorders of Nerve roots and plexuses. In Bradley, W.G., R.B. Daroff, G.M. Fenichel and C.D. Marsden (Ed). Neurology in Clinical Practice. 3rd Edition. Boston. Butterworth Heinemann. 2019-2044.

Dawson, D.M., M.Hallet and L.H.Millender. 1990. Entrapment neuropathies - 2nd ed. Boston: Little Brown and Co.

Dyck, P.J., T.K.Thomas, J.W.Griffin et al. 1993. Peripheral Neuropathy. 3rd ed. Philadelphia: W.B.Saunders.

Logigian E. L. (Ed). 1999. Entrapment and Other Focal Neuropathies. Neurologic Clinics.17: 407-673.

Medical Research Council: 1943. Aids to the investigation of peripheral nerve injuries, 2nd ed. London: Her Majesty's Stationary Office.

Mitchell, S.W. 1872. Injuries of Nerves and Their Consequences. Philadelphia, Lippincott. Reprinted 1983 Birmingham Alabama The Classics of neurology and Neurosurgery Library,

Rowland, L.P. (ed) 1989. Merritt's Textbook of Neurology - 8th ed., Philadelphia: Lea & Febiger.

SPECIFIC REFERENCES AND CITATIONS

Asbury, A.K. 1981, Diagnostic considerations in Guillain-Barré syndrome: Ann. Neurol. (Suppl) 1-5.

Asbury, A.K.: 1988. Understanding diabetic neuropathy.N. Engl. J. Med. 319:577-578.

Asbury, A.K. and C.J.Gibbs. 1990. Autoimmune neuropathies: Guillain-Barre' syndrome. Ann.Neurol.suppl. 27:S1-S79.

Arcasoy, S. M. and J. R. Jett. 1997. Superior pulmonary sulcus tumors and Pancoast syndrome. N. Engl. J. Med. 337:1370-1359.

Bolton, C.F., G.B.Young, D.W.Zochodne. 1993: The neurological complications of sepsis. Ann.Neurol. 33:94-100.

Caputo, G.M., P.R.Cavanagh, J.S.Ulbrecht et al. 1994. Current concepts - assessment and management of foot disease in patients with diabetes. N. Eng. J. Med. 331: 854-860.

Clark, C.M. and D.A.Lee. 1995. Drug-Therapy: prevention and treatment of the complications of diabetes mellitus. N. Eng. J. Med. 332:1210-1217.

Cornblatt, D.R., J.C.McArthur, G.E.Kennedy et al. 1987. Inflammatory demyelinating peripheral neuropathies associated with human T-cell lymphocytic virus Type III infection. Ann. Neurol. 21: 32-40.

- Dalakas, M.C., and W.K.Engel. 1981. Chronic relapsing (dysimmune) polyneuropathy: pathogenesis and treatment. *Ann.Neurol.* 9: S134-S145.
- Dawson, D.M. 1993. Entrapment neuropathies of the upper extremities. *N. Eng. J. Med.* 329:2013-2018.
- Deyo, R.A., A.K.Diehl, and M.Rosenthal. 1986. How many days of bed rest for acute low back pain? *N.Eng.J.Med.* 315:1064-70.
- Downie, A. 1982. Peripheral nerve compression syndromes. In Matthews, U B. and Glaser, G.H. (Ed.) *Recent Advances in Neurology* 3: 47-66. Edinburgh, Churchill Livingstone.
- Dyck, P.J. 1992. New understanding and treatment of diabetic neuropathy. *N.Engl.J.Med.* 326:1287-1288.
- Dyck, P.J., P.K.Thomas, A.K.Asbury et al. eds. 1987. *Diabetic Neuropathy*. Philadelphia: W.B.Saunders.
- Dyck, P. J. 1982. Current concepts in neurology: the causes, classification and treatment of peripheral neuropathy. *N. Eng. J. Med.* 307:283-286.
- Dyck, P. J., J. L. Karnes, J.Daube et al. 1985. Clinical neuropathological criteria for the diagnosis and staging of diabetic neuropathy. *Brain.* 108:861-880.
- Dyck, P. J., A. G. Lais, M.Ohta et al. 1975. Chronic inflammatory polyradiculoneuropathy. *Proc.Mayo Clinic.* 50:621-637.
- Dyck, P. J., K. F. Oviatl, E. H. Lambert. 1981. Intensive evaluation of referred unclassified neuropathies yields improved diagnosis. *Ann.Neurol.* 10:222-226.
- Feasby, T.E. 1992. Inflammatory demyelinating polyneuropathies. *Neurologic Clinics.* 10:651-670.
- Frymoyer, J.W. 1988. Back pain and sciatica. *N. Engl. J. Med.* 318: 291-300.
- Giannini, C., and P. J. Dyck: 1995. Basement membrane reduplication and pericyte degeneration precede development of diabetic polyneuropathy and are associated with its severity. *Ann.Neurol.* 37:498-504.
- Guillain-Barre' Syndrome Study Group. 1985. Plasmapheresis and acute Guillain-Barre' syndrome. *Neurology.* 35:1096-1104.
- Harding, A.E., and P.K.Thomas. 1980. The clinical features of hereditary motor and sensory neuropathy Types I and II. *Brain.* 103:259-280.
- Hay, J., and A.M. Arvin (Ed). 1994. Varicella zoster virus infection: New insights into pathogenesis and post herpetic neuralgia. *Ann.Neurology.* 35:Supplement S1-S72
- Hayes, M. and E. T. Hedley-Whyte. 1994. Case Records of the Massachusetts General Hospital - A 77-year-old woman with fever, sweats, and pain in the head and legs. *N.Eng.J.Med.* 331:1293-1300.
- Jackle, K. A., D. F. Young, K. M. Foley. 1985. The natural history of lumbosacral plexopathy in cancer. *Neurology.* 35:8-15.
- Kopell, H. P., and W. A. L. Thompson.(1960. Peripheral entrapment neuropathies of the lower extremities. *N. Engl. J. Med.* 262:56-60.
- Kotani, N., T. Kushikata, F. Kimura, et al. 2000. Intrathecal methylprednisolone for intractable post herpetic neuralgia. *N. Engl. J. Med.* 343:1514-1519.

- Kennedy, W .R., X. Navarro, F . C. Goetz et al. 1993. Effects of pancreatic transplantation on diabetic neuropathy. *N. Engl. J. Med.* 322:1031-1038.
- Kissel, J.T. and J. R .Mendell. 1992. Vasculitic neuropathy. *Neurologic Clinics.* 10:761-781.
- Kyle, R.A. 1992. Monoclonal proteins in neuropathy. *Neurologic Clinics.* 10:713-734.
- Leffert, R.D.: Brachial plexus injuries. 1972. *M. Engl. J. Med.*291: 1059-1067.
- Mc Combe, P. A., J. G. McLeod, T. D. Pollard. 1987. Peripheral sensorimotor neuropathy associated with systemic lupus erythematosus. *Brain.*110:533-549.
- Mc Combe, P. A., T. D. Pollard and J. G. McLeod. 1987. Chronic inflammatory demyelinating polyneuropathy: A clinical and electrophysiological study of 92 cases. *Brain,* 110:1617-1630 .
- Mc Khann, G .M. and J. W. Griffin .1987.Plasamapheresis and the Guillain-Barré syndrome. *Ann. Neurol*22:762-763.
- McLeod, J. G.,R. R. Tuck, J. D. Pollard, et al. 1984.Chronic polneuropathy of undetermined cause. *J. Neurology, Neurosurgery, and Psychiiatry.* 47: 530-535.
- Miralles, G. D., J. R. O'Fallon, and N .J. Talley. 1992. Plasma- cell dyscrasia with poly neuropathy: The spectrum of POEMS syndrome.*N. Engl, J. Med.* 327:1919-1923.
- Roa, B. B., C. A. Garcia, V.Suter et al. 1993. Charcot-Marie-Tooth Disease Type IA: association with a spontaneous point mutation in the PMP22 gene. *N.Eng.J.Med.* 329:96-101.
- Rogers, L.R., G. P. Borkowski, J. W. Albers et al. 1993. Obturator mononeuropathy caused by pelvic cancer: six cases. *Neurology.* 43:1489-1492.
- Ropper, A. H. 1986. Severe acute Guillain Barre syndrome .*Neurology* 36: 429-432.
- Ropper, A. S. 1992. The Guillain Barre' syndrome. *N.Eng.J. Med.* 326: 1130-1136.
- Rosenfeld, M. R. and J. Dalnava. 1993. Paraneoplastic syndromes and progressive motor dysfunction. *Seminars in Neurology.* 13:281-298.
- Simpson, D. M. and R. K. Olney. 1992: Peripheral neuropathies associated with human immunodeficiency virus infection. *Neurologic Clinics.* 10:685-711.
- Shy, M.E.,J. Kamholz, R. E. Lovelace.(Ed.)1999. Charcot-Marie-Tooth Disorders .*Ann. N.Y. Acad. Sci.* 883: xiii-544.
- So, Y.T. and R. K. Olney. 1994. Acute lumbosacral polyradiculopathy in acquired immunodeficiency syndrome: experiences in 23 patients. *Ann.Neurol.* 35:53-58.
- Small, G.A., and R. E. Lovelace. 1993. Chronic inflammatory demyelinating polyneuropathy. *Seminars in Neurology.* 13:305-312.
- Spencer, P.S., H.Schaumburg, R.L.Ralieghe et al. 1975. Nervous system degeneration produced by the industrial solvent methyl-n-butyl ketone. *Arch.Neurol.* 32:219-222.
- Sterman, A. B., H. H. Schaumburg and A. K. Asbury: 1980. The acute sensory neuropathy syndrome: a distinct clinical entity. *Ann. against GM1 ganglioside affect K+ and Na+ currents in isolated rat myelinated nerve fibers.* *Ann.Neurol.* 37:436-442.

Vandermeche, F. G. A., P. I. M. Schmitz and The Dutch Guillain-Barre' Study Group. 1992. A randomized trial exchange in Guillain- Barre' syndrome. N.Engl.J.Med. 326:1123-1129.

Waksman, B. H. and R. D. Adams. 1955. Allergic neuritis:an experimental disease of rabbits induced by injection of peripheral nerve and adjuvant. J. Exp. Med. 102:213-255.

Watkins, P. J. 1990. Diabetic autonomic neuropathy. N. Eng. J. Med. 322:1078-1079.

BIBLIOGRAPHY CHAPTER 9

SPINAL CORD : CLINICAL CONSIDERATIONS

GENERAL

Adams, R.D., M. Victor and A. H. Ropper. 1997. Principles of Neurology - 6th ed. New York. Mc Graw Hill. PP.1227-1277

Burke, D. and J. W. Lance. 1992. The Myotatic Unit and its disorders (in) Diseases of the Nervous System (ed) A. K.

Asbury, G. M. McKhann and W. I. McDonald, Philadelphia: W. B. Saunders pp.270-284.

Byrne, T.N. and S. G. Waxman. 1990. Spinal cord compression: diagnosis and principles of management. Philadelphia: F.A. Davis.

Ditunno, J. F. Jr. and C. S. Formal. 1994. Current Concepts: chronic spinal cord injury. N. Eng. J. Med. 330:550-556.

Greenberg, J. 1993. Handbook of head and spine trauma. New York: Marcel Dekker, Inc. pp.784

Hughes, J.T. 1978. Pathology of the spinal cord 2nd ed. Philadelphia: W. B. Saunders.

Mitsumoto, H. 2000. Disorders of upper and lower motor neurons. In Bradley, W.G., R.B. Daroff, G.M. Fenichel and C.D.

Marsden (Ed). Neurology in Clinical Practice. 3rd Edition. Boston. Butterworth Heinemann.1985-2015.

Noseworthy, J. H., C. Lucchinetti, M. Rodriguez and B. C. Weinshenker. 2000. Medical Progress: Multiple sclerosis. N. Engl. J. Med. 343:938-952.

Rosenblum, R. B. 2000. Disorders of bones, joints, ligaments and meninges. In Bradley, W.G., R.B. Daroff, G.M. Fenichel and C.D. Marsden (Ed). Neurology in Clinical Practice. 3rd Edition. Boston. Butterworth Heinemann. 1953-1984

Rowland, L.P. (ed.) 1989 Merritt's Textbook of Neurology. 8th ed. Philadelphia: Lea & Febiger.

Tarlov, I.M. 1957. Spinal cord compression: mechanisms of paralysis and treatment. Springfield, Ill: Charles C. Thomas.

Young, R.R. and R.M. Woolsey. 1995. Diagnosis and management of disorders of the spinal cord. Philadelphia: W.B. Saunders.

SPECIFIC REFERENCES AND CITATIONS

Baker, A.S., R.O. Ojemann, M.N. Swartz et al. 1975. Spinal epidural abscess. N. Eng. J. Med. 293:463-468.

Barnes, C.D. and J.C. Schadt. 1979. Release of function in the spinal cord. Prog. Neurobiol. 12:1-13.

Barron, K.D., A. Hirano, S. Asaki et al. 1959. Experiences with metastatic neoplasms involving the spinal cord. Neurology. 9:91-106.

Bauer, H.J.: 1978. Problems of symptomatic therapy in multiple sclerosis. Neurol. 28:8-20.

- Bensimon, G., L.Lacomblez, V.Meininger et al. 1994. A controlled trial of Riluzole in amyotrophic lateral sclerosis. *N.Engl.J.Med.* 330:385-391.
- Bracken, M.B., M.J.Shepard, W.F.Collins et al. 1990. A randomized controlled trial of methylprednisolone or naloxone in the treatment of acute spinal cord injury. *N.Eng.J.Med.* 322:1406-1411.
- Bresnan, M.J., G.M.Shoukumas and E.T.Hedley-White. 1978. Case Records of the Massachusetts General Hospital: A 17-year-old girl with numbness of the right leg, recent onset of vertigo and right-sided weakness. *N.Eng.J.Med.* 316:150-157.
- Brew, B.J. and R.W.Price. 1988. Another retroviral disease of the nervous system: chronic progressive myelopathy due to HTLV. *N.Eng.J.Med.* 318:1195-1197.
- Brice, J. and W.McKissock. 1978. Surgical treatment of malignant extradural spinal tumors. *Brit. Medical Journal.* 1:1341-1344.
- Brody, I.A. and R.H.Wilkins. 1968. Neurological Classics X: Brown-Sequard Syndrome. *Arch .Neurol.* 19:347-348.
- Brown, R.H. 1994. Clinical implications of basic research: A transgenic-mouse model of amyotrophic lateral sclerosis. *N.Eng. J.Med.* 331:1091-1092.
- Brown, R.H.Jr. 1993. Inherited motor neuron diseases: recent progress. *Seminars in Neurology.* 13:365-368.
- Bryne, T.N. 1992. Current concepts - spinal cord compression from epidural metastases. *N.Eng.J.Med.* 327:614-19.
- Buchan, A.M. and H.J.M.Barnett. 1992. Infarction of the spinal cord. (in) *Stroke [Pathophysiology, diagnosis and management] -volume II* (eds) H.J.M.Barnette, J.P.Mohr, B.M.Stein, and F.M.Yatsu. New York: Churchill Livingstone, pp.707-720.
- Buchan, A.M. and H.J.M.Barnett. 1992. Vascular malformations and hemorrhage of the spinal cord. (in) *Stroke [Pathophysiology, diagnosis and management] - vol. II* (eds) H.J.M.Barnett, J..P.Morh, B.M.Stein, and F.M.Yatsu. New York: Churchill Livingstone, pp.721-729.
- Bucy, P. and P.Perot. 1975. Injury to the spinal cord (in) D.B.Tower (ed.) *The Nervous System.* New York: Raven Press. 421-431.
- Calabresi, P.A., D.W.Giang and R.D.Goodman. 1993. Progressive spinal multiple sclerosis. *Seminars in Neurology.* 13:322-332.
- Chad, D. and E.P.Richardson, Jr. 1985. Transverse myelopathy and later development of multiple Intracerebral lesions in a 64-year-old man: case records of the Massachusetts General Hospital, #52-1985. *N.Eng.J.Med.* 13:1646-1656.
- Chamberlain, S., J.Shaw, S.Rowland et al. 1988. Mapping of the mutation causing Friedreich's ataxia to human chromosome Nature. 334:248-250.
- Choi, D.W. 1992. Amyotrophic lateral sclerosis and glutamate - too much of a good thing? (editorial) *N.Eng.J.Med.* 326:1493-1495.
- Collins, W.F. and B.Chehazai. 1982. Concepts of the acute management of spinal cord injury (in) *Recent Advances in Clinical Neurology.* (ed.) W.B.Matthews and G.H.Glaser. Edinburgh: Churchill-Livingstone.
- Cooper, P.R. and F.Epstein. 1985. Radical dissection of intra-medullary spinal cord tumors in adults: recent experience in 29 patients. *J.Neurosurgery.* 63:492-499.

- Corboy, J.R. and R.W.Price. 1993. Myelitis and toxic inflammatory and infectious disorders. *Current Opinion in Neurology and Neurosurgery*. 6:564-570.
- Cruickshank, J.K., R.Rudge, A.G.Dalgleish et al. 1989. Tropical spastic paraparesis and human T cell lymphotropic virus Type I in the United Kingdom. *Brain*. 112:1057-1090.
- Deng, H.X., A. Hentati, J. A. Tainer., et al.1993.amyotrophic lateral sclerosis and structural defects in Cu, Zn superoxide dismutase. *Science*. 261:1047-1050.
- Durr, A., M. Cossee, Y. Agig, et al . 1996. Clinical and genetic abnormalities in patients with Friedreichs ataxia. *N. Engl. J. Med*. 335:1169-1175.
- Drucker, T.B. 1990 (editorial) Treatment of spinal cord injury. *N.Eng. J.Med*. 322:1459-1461.
- Epstein, F.J., J.P.Farmer and D.Freed. 1992. Adult intramedullary astrocytomas of the spinal cord. *J.Neurosurg*. 77:355-359.
- Epstein, F. and N.Epstein. 1982. Surgical treatment of spinal cord astrocytomas of childhood. *J.Neurosurgery*. 57:685-689.
- Foster, J.B. 1975. Syringomyelia (in) *Recent Advances in Clinical Neurology*. (ed.) W.B.Matthews. Edinburgh: Churchill Livingstone, pp.234-251.
- Geisler, F.H., F.C.Dorsey, W.P.Coleman. 1991. Recovery of motor function after spinal cord injury: a randomized placebo control-led trial with GM-1 ganglioside. *N.Eng.J.Med*. 324:1829-1838.
- Gessian, A. and O.Gout. 1992. Chronic myelopathy associated with human T - lymphocytic virus Type I. (HTLV-I). *Ann.Intern.Med*. 117:933-946.
- Greenberg, H.S., J.H. Kim and J.B.Posner. 1980. Epidural spinal cord compression from metastatic tumor: results with a new treatment protocol. *Ann.Neurol*. 8:361-366.
- Harding, A.E. 1993. Hereditary spastic paraplegias. *Seminars in Neurology*. 13:333-336.
- Harding, A.E. 1981. Friedreich's ataxia: a clinical and genetic study of 90 families with an analysis of early diagnostic criteria and intrafamily clustering of familial features. *Brain*. 104:589-620.
- Harding, A.E. 1992. Hereditary ataxias and related disorders (in) *Diseases of the Nervous System*. 2nd ed. (eds.) A.K.Asbury, G.M.McKhann and W.I.McDonald. Philadelphia: W.B.Saunders. pp.1169-1178.
- Hay, J. and A.M.Arvin. 1994. Varicella zoster virus infection: New insights into pathogenesis and post herpetic neuralgia. *Ann. Neurology*. 35: Supplement S1-S72.
- Hollsberg, P., D.A.Lafler. 1995 (Editorial). What is the pathogenesis of human T cell lymphotropic virus Type I - associated myelo-pathy/ tropical spastic paraparesis. *Ann.Neurol*. 37:143-145.
- Johnson, R.T. and J.C.McArthur. 1987. Myelopathies and retroviral infections. *Ann.Neurol*. 21:113-116.
- Jubelt, B. and Drucker. 1993. Post polio syndrome: an update. *Seminars in Neurology*. 13:283-290.
- Kiernan, J.A. and A.J.Hudson. 1994. Frontal lobe atrophy in motor neuron disease. *Brain*. 117:747-757.
- Kleyn, P.W. and T.C.Gillian. 1993. Progress toward cloning of the gene responsible for childhood spinal muscular atrophy. *Seminars in Neurology*. 13:276-282.
- Krauss, W.E. and P.C.McCormick. 1993. Cervical spondylotic myelo-pathy. *Seminars in Neurology*. 13:343-348.

Lindenbaum, S., F.B.Heatton, D.G. Savage et al. 1988. Neuropsychiatric dis-orders caused by cobalamin deficiency in the absence of anemia or macrocytosis. *N.Eng.J.Med.*318:1720-1728.

Logigian, E.L. and M.B.Murray. 1994. Case records of the Massachusetts General Hospital - A 19-year-old man with rapidly progressive lower extremity weakness and dysesthesias after a respiratory tract infection - Case 42-1994. *N.Eng.J.Med.* 331:1437-1444.

Long, D.M. 1993. Lumbar and cervical spondylosis and spondylotic myelopathy. *Current Opinion in Neurology and Neurosurgery.* 6:576-580.

Logue, V. and M.R.Edwards. 1986. Syringomyelia and its surgical treatment. *J.Neurol.Neurosurg.Psychiat.* 44:273.

Mackay, R.P. 1963. Course and prognosis in amyotrophic lateral sclerosis. *Arch.Neurol.* 8:117-127.

Mandell, G.L., R.G.Douglas and J.E.Bennett. 1985. Principles and practice of infectious disease, 2nd ed. New York: Wiley.

Marra, C.M. 1995. Neurosyphilis: A guide for clinicians. *The Neurologist.* 1:157-166.

Matthews, W.B. (ed.) 1991. McAlpine's multiple sclerosis 2nd ed. Edinburgh: Churchill Livingstone.

McAlpine, D. 1961. The benign form of multiple sclerosis. *Brain.* 84:186.

McCormick, P.C. 1993. Spinal vascular malformations. *Seminars in Neurology.* 13:349-358.

Melki, J., S.Lefebvre, L.Burglen et al. 1994. De novo and inherited deletions of the 5q13 region in spinal muscular atrophies. *Science.* 264:1474-1477.

Mendell, L.M. 1984. Modifiability of spinal synapses. *Physio.Rev.* 64: 260-324.

Mitsumoto, H., D. D. Chad and E. P. Pioro. 1998. Amyotrophic Lateral Sclerosis. Philadelphia. F.A. Davis. 480pp.

Morier, D.R., P.Baldelli, O.Delbono et al. 1995. Amyotrophic lateral sclerosis immunoglobulins increase Ca²⁺ currents in a motor neuron line. *Ann.Neurol.* 37:102-109.

Munsat, T.L. and W.C.Bradley. 1979 (in) H.R.Tyler and D.M.Dawson (ed.) *Current Neurology.* 2:79-103. Boston: Houghton Mifflin.

Munsat, T.L. and J.A.Golden. 1992. Case records of the Massachusetts General Hospital - A 70-year-old man with progressive muscle weakness and agitated depression: motor neuron disease. *N.Eng.J.Med.* 327:1298-1305.

Palav, F., G.DeMichele, J.J.Vilcaez, et al. 1995. Early onset ataxia with cardiomyopathy and retained tendon reflexes - maps to the Friedreich ataxia locus on chromosome 9q. *Ann.Neurol.* 37:359-362.

Percy, A.K., F.T.Nobrega and H.Okazak. 1971. Multiple sclerosis in Rochester, Minnesota: a 60 year appraisal. *Arch.Neurol.* 25:105-111.

Pringle, C.E., A.J.Hudson, D.G.Munoz et al. 1992. Primary lateral sclerosis: clinical features, neuropathology and diagnostic criteria. *Brain.* 115:495-520.

Rodichok, L.N., J. C. Ruickdeschel, G. R. Harper et al. 1986. Early detection and treatment of spinal epidural metastases. *Ann. Neurol.* 20:696-702.

- Roman, G.C., P. S. Spencer and B. S. Schoenberg. 1985. Tropical myelo- neuropathies: the hidden endemics. *Neurology*. 35:1158-1170.
- Ropper, A.H. and D.C.Poskanzer. 1978. The prognosis of acute and subacute transverse myelopathy based on early signs and symptoms. *Ann.Neurol*. 4:51-59.
- Rossier, A.B., D.Foo, J.Shillito, et al. 1985. Post traumatic cervical syringomyelia. *Brain*. 108:439-461.
- Rowland, L.P. 1984. Looking for the cause of amyotrophic lateral sclerosis. *N.Eng.J.Med*. 311:979-981.
- Rowland, L.P. 1994a. Amyotrophic lateral sclerosis: theories and therapies. (editorial) *Ann.Neurol*. 35:129-130.
- Rowland, L.P. 1994b. Riluzole for the treatment of amyotrophic lateral sclerosis - too soon to tell. (editorial) *N.Eng.J.Med*. 330: 636-637.
- Rowland, L.P., M.Santoro, D.J.Lange et al. 1991. Diagnosis of ALS. *Ann. Neurol*. 30:225-227.
- Rowland, L. P. and N. a. Schneier. 2001. Medical Progress: Amyotrophic lateral sclerosis. *N. Engl. J. Med*. 344: 1688-1700.
- Rubenstein, A.F., R.P. Bunge and D.E.Housman et al. (eds.). 1986. Neurofibromatosis. *Ann.N.Y.Acad.Sci*. 485:1-414, 1986.
- Sabin, A.B. 1981. Paralytic poliomyelitis: old dogmas and new perspectives. *Rev.Inf.Dis*. 3:543-564.
- Smith, R.A. (ed.) 1992. Handbook of amyotrophic lateral sclerosis. New York: Marcel Dekker, Inc.
- Sorensen, S.V., J.J.Mulvihill, A.Nielsen. 1986. Long term follow-up of Von Recklinghausen neurofibromatosis. *N.Eng.J.Med*. 314:1010-1015.
- Stark, R.J., R.A.Henson and J.W.Evans. 1982. Spinal metastases: a retrospective study from a general hospital. *Brain*. 105:189-213.
- Tandan, R. and W.G.Bradley. 1985. Amyotrophic lateral sclerosis. *Ann.Neurol*. 18:172-280.
- Smith, R.A. (ed.) 1992. Handbook of amyotrophic lateral sclerosis. New York: Marcel Dekker, Inc.
- Tramont, E.C. 1991. Syphilis of the central nervous system. (in) *Infections of the central nervous system*. (ed.) H.P. Lambert, Philadelphia: B.C.Decker, pp.207-217.
- Victor, M. and J.D.Rothstein. 1992. Neurologic manifestations of hepatic and gastrointestinal diseases (in) *Diseases of the Nervous System - 2nd ed.* (ed.) A.K.Asbury, G.M.McKhann and W.I.McDonald. Philadelphia: W.B.Saunders. pp.1442-1455.
- Walker, M.D. 1991. Acute spinal cord injury. *N.Eng.J.Med*. 324:1885-1887.
- Werteleck, W., G.A.Rouleau and D.W.Superneau et al. 1988 Neurofib- romatosis 2: clinical and DNA linkage studies of a large kindred. *N.Eng.J.Med*. 319:278-283.
- Wilkins, R.H. and I.A.Brody. 1967. Neurological classics II: Babinski's sign. *Arch.Neurol*. 17:441-446.
- Wilkins, R.H. and I.A.Brody. 1968. Neurological classics VIII: Romberg's sign. *Arch.Neurol*. 19:443-447.
- Williams, B. 1980. On the pathogenesis of syringomyelia: a review. *J.Roy.Soc.Med*. 73:798-806.

Williams, D.B. and A.J.Windebank. 1991. Subject review -motor neuron disease (amyotrophic lateral sclerosis). Mayo Clinic Proc. 66:54-82.

Wright, P.F., R.J.Kim-Farley, C.A.DeQuadroe et al. 1991. Strategies for the global eradication of poliomyelitis by the year 2000. N.Eng.J.Med. 325:1774-1779.

Zervas, N.T. and J.Pile-Spellman. 1992. A 64-year-old woman with the abrupt onset of paraparesis after 10 months of increasing episodic leg weakness: (AVM of spinal cord). N.Eng.J.Med. 326:816-824.

Chapter 12

General References

- Victor.M and AH Ropper 2001 Principles of Neurology. Seventh Ed New York, McGraw Hill.
- Brodal, A. 1965. The Cranial Nerves. Anatomy & Anatomical Clinical Correlation. Oxford Blackwell, London.
- Clemente, C. Gray's Anatomy, 30th Ed. Philadelphia, Lea & Febiger, 1988.
- DeJong, R.N. The Neurologic Examination. New York, Hoeber Medical Division, Harper & Row, 1978.
- Herrick, C.J. The Brain of the Tiger Salamander. Chicago, University of Chicago Press, 1948. Wilson-Pauwels, L., Akesson, E.J., Stewart, P.A. Cranial Nerves. Anatomy and Clinical Comments. Philadelphia, B.C.Decker, 1988.
- Rasmussen, G.L. Efferent fibers of the cochlear nerve and cochlear nucleus. In G.L. Rasmussen and W.F. Windle (eds.). Neural Mechanisms of the Auditory and Vestibular Systems. Springfield, Ill., Charles C Thomas, 1960, pp 105-

BIBLIOGRAPHY

CHAPTER 13:

PART I :

Includes the following

CHAPTER 11 (Functional Localization Brain Stem.

CHAPTER 12 (Clinical Aspects of Cranial Nerves)

CHAPTER 13 Clinical Considerations of the Brain Stem (Extrinsic Disorders)

GENERAL REFERENCES

Adams, R.D., M. Victor. and A L Ropper.1997. Principles of Neurology 6th Ed. New York, Mc Graw Hill.pp 227-310.1370-1401.

Atlas, S.W. (ed.) 1995. Magnetic resonance imaging of the brain and spine. New York, Raven Press.

Asbury, A.K., G.M. McKhann, and W.I. McDonald. (eds.) 1992. Diseases of the nervous system: clinical neurobiology, 2nd Ed. volume 1. Philadelphia: W.B. Saunders (see particularly Chapter 21 [central mechanisms of initiation and control of movement], Chapter 26 [oculomotor control: normal and abnormal], Chapter 31 [vertigo and dizziness], Chapter 34 [pupillary function and dysfunction])

Black, P.M.CL. 1991. Medical progress: brain tumors. N.Engl.J.Med. 324:1471-1476, 1555-1564.

Buttner-Ennever, J.A. (ed) 1988. Neuroanatomy of the oculomotor system reviews of oculomotor research, volume 2.

Hain, T.C. 1995. Treatment of vertigo. The neurologist. 1:125-133.

Haymaker, W. 1969. Bing's local diagnosis in neurological disease -15th ed. St. Louis: C. V. Mosby.

Kunze, K., W. H. Zangemeister and A. Artt. (eds) 1986. Clinical problems of brain stem disorders. New York: Thieme Verlag.

Leigh, R.J., L. Averbuch-Heller, R.L. Thomsake et al. 1994. Treatment of abnormal eye movements that impair vision. Strategies based on current concepts of physiology and pharmacology. [Review]. Ann. Neurol. 36:129-141.

Leigh, R.J., and D. S. Zee. 1991. The neurology of eye movements - 2nd ed. Philadelphia. F. A. Davis.

Plum, F. and T.B. Posner. 1980. The diagnosis of stupor and coma. 3rd ed. Philadelphia: F. A. Davis.

Rowland, L. (ed.) 1989. Merritt's textbook of neurology. Philadelphia: Lea & Febiger.

Wolf, J. 1971. The classical brain stem syndromes. Springfield, Ill.Charles C. Thomas Publishing.

SPECIFIC REFERENCES AND CITATIONS

Adour, K.K. 1982. Current concepts in neurology: diagnosis and management of facial paralysis. N. Engl. J. Med. 15:346-351.

Averbuch-Heller, L., A. Z. Zivotofsky, V. E. Das et al. 1995. Investigations of acquired pendular nystagmus. Brain. 118:369-378.

Bender, M.B. 1980. Brain control of conjugate horizontal and vertical eye movements: A study of the structural and functional correlates. Brain. 103:23-69.

Breen, L.A. 1980. Pupil sparing oculomotor nerve palsy due to mid brain infarction. Arch. Neurol. 48:105-106.

- Carpenter, M. B., R.E. Mc Masters and G. R. Hanna. 1963. Disturbances of conjugate horizontal eye movement in the monkey: I. Physiological effects and anatomical degeneration resulting from lesion of the abducens nucleus and nerve. *Arch. Neurol.* 8:232-247.
- Chiappa, K.H. 1989. *Evoked potentials in clinical medicine* - 2nd ed. New York: Raven Press.
- Christoff, N. 1974. A clinicopathologic study of vertical eye movements. *Arch. Neurol.* 31:1-8.
- DeGirolami, V., and H. Schidek. 1973. Clinicopathological study of 53 tumors of the pineal region. *J. Neurosurgery.* 39:455-462.
- Fuchs, A.F. and C.R.S. Kaneko and C.A. Suddar. 1985. Brain stem control of saccadic eye movements. *Ann. Rev. Neurosci.* 8:307-337.
- Gamlin, P.D.R., J.W. Gnadt, L.E. Mays. 1989. Lidocaine-induced unilateral internuclear ophthalmoplegia: effects on convergence and conjugate eye movements. *J. Neurophysiol.* 62:82-95.
- Goebel, H.H., A. Komatsuzaki, M.B. Bender et al. 1971. Lesions of the pontine tegmentum and conjugate gaze paralysis. *Arch. Neurol.* 24:431-440.
- Gonyea, E.F. 1966. Bilateral internuclear ophthalmoplegia: association with occlusive cerebrovascular disease. *Arch. Neurol.* 31:29-34.
- Harner, S. G. and M. J. Ebersold. 1985. Management of acoustic neuromas 1978 - 1983. *J. Neurosurg.* 63:175-179 (Mayo).
- Harner, S.G., J.R. Daube, M.J. Ebersold. 1987. Improved preservation of facial nerve function with the use of electrical monitoring during removal of acoustic neuromas. *Mayo Clinic Proc.* 62:92-102.
- Hatcher, M.A., and G.K. Lintworth. 1966. The sylvian aqueduct syndrome. *Arch. Neurol.* 15:215-224.
- Jackel, R.A., W. Gittinger, Jr., T.W. Smith et al. 1986. Metastatic adenocarcinoma presenting as one-and-one-half syndrome. *J. Clinical Neuro-ophthal.* 6:116-119.
- Jacobs, L., D.J. Anderson and M.B. Bender. 1973. The lesions producing paralysis of downward but not upward gaze. *Arch. Neurol.* 28:319-323.
- Laird, F.J., S.G. Harner, E.R. Laws, Jr., et al. 1985. Meningiomas of the cerebellopontine angle. *Otolaryngol. Head and Neck Surg.* 93:163-167.
- Martuza, R.L., S.W. Parker, J.B. Nadol, et al. 1985. Diagnosis of cerebellopontine angle tumors. *Clinical Neurosurg.* 32:177-213.
- Martuza, R.L. and R. Eldridge. 1988. Neurofibromatosis 2 (bilateral acoustic neurofibromatosis). *N. Engl. J. Med.* 318:684-688.
- Nakada T., I.L. Kwee. 1986. Oculopalatal myoclonus. *Brain.* 109:431-441.
- Pasik, P., T. Pasik and M.B. Bender. 1969. The pretectal syndrome in monkeys: II. Spontaneous and induced nystagmus and lightening eye movements. *Brain.* 115:227-247.
- Perrot-Deseilligny, C., F. Chain, M. Serdau et al. 1981. The one and a-half syndrome. *Brain.* 104:665-669.
- Schmidtke, K. and J.A. Buttner-Ennever. 1992. A nervous control of eyelid function: A review of clinical experimental and pathological data. *Brain.* 115:227-247.

Stein, B.M. and M.R. Fetell. 1985. Therapeutic modalities for pineal lesion tumors. *Clini. Neurosurgery*. 32:445-455.

Sweet, W.H. 1986. Current concepts: the treatment of trigeminal neuralgia (tic douloureux). *N. Engl. J. Med.* 315:174-177.

Wertelecki, W., G.A. Rouleau, D.W. Superneau et al. 1988. Neurofibromatosis 2: clinical studies of a large kindred. *N. Engl. J. Med.* 319:278-283.

Zee, D.S., A. R. Friendlich, D. A. Robinson. 1974. The mechanism of downbeat nystagmus. *Arch. Neurol.* 30:227-237.

Zee, D.S., A. Yamazaki, P. H. Butler et al. 1981. Effects of ablation of flocculus and paraflocculus on eye movements in primate. *J. Neurophysiol.* 46:878-899.

BIBLIOGRAPHY - CHAPTER 13 – PART II PART 2 VASCULAR DISEASE AND OTHER INTRINSIC DISORDERS OF THE BRAIN STEM
VASCULAR
A.GENERAL REFERENCES

Adams, R. D., M. Victor. and A. Ropper.1997.Principles of Neurology. 6th edition. New York . Mc Graw Hill. Pp 777-873

Berguer,R., & Bauer.R.B.(1984). Vertebrobasilar Arterial OcclusiveDisease: Medical & Surgical Management. N.Y., Raven Press.

Caplan, L.R. (1986). Vertebrobasilar Occlusion Disease (in) Barnett, H. J. M., J. P. Mohr, B.M Stein,, and F.M Yatsu.
 Stroke :Pathophysiology. Diagnosis and Management. New York Churchill Livingstone, pp.549-619.

Jellinger, K. 1986. Neuropathology and Clinical Signs of Brain Stem Disorders (in) Kunze, K., W.H Zangemeister,, and A. Arrt.(Ed.)Clinical Problems of Brain Stem Disorders. New York, Stuttgart Thieme Verlag , pp.17-29.

Kase, C.S., and Caplan, L.R.1986. Hemorrhage Affecting the BrainStem and Cerebellum (in) Stroke: Pathophysiology. Diagnosis and Management (Ed.) Barnett,H.J.M., J Mohr, B.M Stein and F.M Yatsu. N.Y. Churchill Livingstone.Vol.1,p.621-41.

Plum F. and J. Posner.1980. The Diagnosis of Stupor and Coma. 3rd edition. Phailadelphia. F.A. Davis

Wolf, J. 1971.The Classical Brain Stem Syndromes. Springfield. Ill.Charles C. Thomas Publishing.

SPECIFIC REFERENCES AND CITATIONS:

A. Ischemic Occlusive

Caplan, L.R.1979.Occlusion of the Vertebral or Basilar Artery:Follow-up Analysis of Some patients with Benign Outcome. Stroke. 10:277-282.

Caplan, L.R. 1980."Top of the Basilar" Syndrome. Neurology. 30:72-79.

Caplan, L.R. 1980. Vertebrobasilar Occlusive Disease: Time for a New Strategy. Stroke. 12:111-114.

Caplan, L. 2000. Posterior circulation ischemia: then now and tomorrow. The Thomas Willis Lecture-2000. Stroke. 31: 2011-2023.

Castaigne. P. F. Lhermitte, A. Buge, R. Escourolle, J. J. Haia, O. Lyon-Caen. 1981. Paramedian Thalamic and Midbrain Infarcts-Clinical and Neuropathological Study. Ann.Neurol. . 10:127-148.

Castaigne.P., F. Lhermitte, Gautier, et al 1973. Arterial Occlusions the Vertebrobasilar System: A study of Forty-four Patients with Post-Mortem Data. Brain. 96:133-159.

Cross, D.T., P. T. Akins, E. E. Angtuaco, M.N. Diringer. 1997. Relationship between clot location and outcome after basilar artery thrombolysis. Am. J. Neuroradiol. 18:1221-1228.

Fisher, C.M. 1970. Occlusion of the Vertebral Arteries. Arch. Neurol.22:13-19,.

Fisher, C.M. and L.R. Caplan. 1971.Basilar Artery Branch Occlusion:A Cause of Pontine Infarction. Neurology. 21:900-905.

Fisher, C.M. and H.B. Curry. 1965. Pure Motor Hemiplegia of Vascular Origin.Arch. Neurol. 13:30-44.

McKee. A. C., D.N. Levin, N.W. Kowall, and E. P. Richardson, Jr. 1990. Peduncular Hallucinoses Associated with Isolated Infarction of the Substantia Nigra Pars Reticulata. *Ann. Neurol.* 27:500-504.

Mehler, M. F. 1989. The Rostral Brain Stem Syndrome. *Neurology*. 39:9-16,

Norrving, B. 1991. Lateral Medullary Infarction: Prognosis in an Unselected Series. *Neurology*, 41:244-248.

Pessin. M. S., and L.R. Caplan. 1986. Heterogeneity of Vertebrobasilar Occlusive Disease (in) Kunze. K., W.H. Zangemeister, and A. Artt. (Ed.): *Clinical Problems of Brain Stem Disorders*. New York. Stuttgart, G., Thieme Verlag, pp.30-42.

Pessin. M. S., M.I. Chimowitz, S. R. Levine, et al. 1989: Stroke in Patients with Fusiform Vertebrobasilar Aneurysms. *Neurology*. 39:13:16-21.

Pessin. M. S., P.B. Gorelick, E. S. Kwan, L. R. Caplan. 1987. Basilar Artery Stenosis Middle and Distal Segments. *Neurology*. 37; 1742-1746.

Segarra. J. M. 1970. Cerebral Vascular Disease and Behavior: I. The Syndrome of the Mesencephalic Artery (Basilar Artery Bifurcation). *Arch. Neurol.* 22:408-419.

Wijdicks, E. F. M., D. A. Nickols, J. R. Thielen, et al. 1997. Intra-arterial thrombolysis in acute basilar artery thromboembolism: the initial Mayo Clinic experience *Mayo Clin. Proc.* 72:1005-1013.

Wilkins, R. H., and I. A. Brody. 1970. Neurological Classics XXX: Wallenberg's Syndrome. *Arch. Neurol.* 22:379-382.

Abe. M. and R. N. Kuellberg. 1989. Clinical Presentations of Vascular Malformations of the Brain Stem. *J. Neuro. Neurosurg. Psychiatry*. 52:167-175.

Wijdicks, E. F. M., D. A. Nickols, K. R. Thielen, et al. 1997. Intra-arterial Thrombolysis in acute basilar artery thromboembolism:

The initial Mayo Clinic experience. *Mayo Clin Proc.* 72:1005-1013

Wilkins, R. H. and I. A. 1970. Neurological Classics XXX: Wallenberg's syndrome. *Arch Neurol.* 22:408-419.

B. Pontine and Cerebellar Hemorrhages (see also Chapter 26)

Abe. M. and R. N. Kjellberg. 1989. Clinical Presentations of Vascular Malformations of the Brain Stem. *J. Neuro. Neurosurg. Psychiatry*. 52:167-175.

Dunne. J. W., J. Chakere, S. Karmode. (Mayo), 1987. Cerebellar Hemorrhage *Quart. J. Med.* 64:739-754.

Ott, K. H., C. S. Kase., R.G. Ojemann, J.P. Mohr. 1974. Cerebellar Hemorrhage: Diagnosis and Treatment: A Review of 56 Cases. *Arch. Neurol.* 31:160-167.

Stahl, S. M., K. P. Johnson, N. Malamod. 1980. The Clinical and Pathological Spectrum of Brain Stem Vascular Malformations: Long Course Simulates Multiple Sclerosis. *Arch. Neurol.* 37:25-29.

C. Other Intrinsic Diseases of the Brain Stem: Tumors (see above and Chapter 27)

Black, P.M.L. 1991. Medical progress: Brain tumors. *N. Engl. J. Med.* 324:1471-1476, 1555-1564.

Epstein, F. J. and J. P. Farmer. 1993. Brain stem glioma growth patterns. *J. Neurosurg.* 78:408-412.

Strank, A. R., H. J. Hoffman, E. B. Henrick and R. P. Humphreys. 1986. Diagnosis and Management of Pediatric Brain Stem Gliomas. *J. Neurosurgery*. 65:754-760.

Demyelinating Disorders: Multiple Sclerosis (refer to Chapter 9)

Focal Degenerations: Syringobulbia (refer to Chapter 9)

System Disease and Degenerations (refer to Chapter 9 and Chapter 27)

Infections of the Brain Stem (see also Chapter 27)

Ellison, P. H. and P. A. Hanson. 1977. Herpes simplex: A Possible Cause of Brain Stem Encephalitis. *Pediatrics*, 9:240-243.

Kaplan, A. M. and J. T. Koveleski. 1978. St. Louis Encephalitis with particular involvement of the brain stem. *Arch. Neurol.* 35:45-46.

Waxman, S. G., T. D. Sabin, and L. J. Embree. 1974. Subacute brain stem Encephalitis. *J. Neurol. Neurosurg. Psychiatry*. 37:811-816.

Chapter 15

De Wulf, A. 1971. *Anatomy of the Normal Human Thalamus, Topometry and Standardized Nomenclature*. Amsterdam, Elsevier.

Goldman-Rakic, P.S., and L.J. Porrino. 1989. The primate mediodorsal (MD) and its projection to the frontal lobe. *J. Comp. Neurol.* 242:535-560.

Guillery, RW. 1995. Anatomical evidence concerning the role of the thalamus in corticocortical communications: a brief review. *J. Anat.* 187: 583-592.

E.G. Jones. 1989. A new parcellation of the human thalamus on the basis of histochemical staining. *Brain Research Reviews* 14:1-34.

Jones, E.G. 1985. 1985. *The Thalamus*. New York: Plenum.

Purpura, D.P., and M.D. Yahr. 1966. *The Thalamus*. New York, Columbia University Press.

Trojanowski, J.Q., and S. Jacobson. 1976. Areal and laminar distribution of some pulvinar cortical efferents in rhesus monkey. *J. Comp. Neurol.* 76 :371-391.

Van Buren, J.M., and R.C. Borke. 1972. *Variation and Connections of the Human Walker*, AE 1938. *The Primate Thalamus*. University of Chicago Press.

Chapter 16

Bodian, D. 1963. Cytological aspects of neurosecretion in opossum neurohypophysis. *Bull. Johns Hopk. Hosp.*, 113:57.

Bodian, D. 1966. Herring bodies and neuroapocrine secretion in the monkey: An electron microscopic study of the fate of the neurosecretory product. *Bull. Johns Hopk. Hosp.*, 118:282.

Becker, KL *Principles and Practice of Endocrinology and Metabolism* 2001, 3rd edition. Lippincott: Williams and Wilkins.

Brownstein, M.J. 1989. Neuropeptides. In: Siegel, G.J., B.W. Agranoff, R. W. Albers, and P.B. Molinoff (Eds.). *Basic Neurochemistry. Molecular, Cellular and Medical Aspects*. New York, Raven Press, p.287-309.

Gershon, M.D. 1981. The enteric nervous system. *Ann Rev. Neurosciences* 4: 227-272.

Green, J.D.:1966. The comparative anatomy of the portal vascular system and of the innervation of the hypophysis. In Harris, G.W., and Donovan, B.T. (eds.): *The Pituitary Gland*. Berkely, University of California Press, Vol. I, p. 127.

Haymaker, W., Anderson, E., and Nauta, W.J.H. 1969. *The Hypothalamus*. Springfield, Illinois, Charles C Thomas.

Karczmar A.G. Koketsu, K. Nishi, S. (Eds) 1986. *Autonomic and Enteric Ganglia*, New York, Plenum Press.

Martin, J.B., and S. Reichlin and G. M. Brown. 1987. *Clinical Neuroendocrinology*. 2nd Ed, F.A. Davis, Philadelphia.

McGeer, P.L. and E.G. McGeer. 1989. Amino Acid Neurotransmitters. In: Siegel, G.J., B.W. Agranoff, R. W. Albers, and P.B. Molinoff. *Basic Neurochemistry. Molecular, Cellular and Medical Aspects*. New York, Raven Press.

Muller, E.E. and G. Nistico. 1989. *Brain Messengers and the Pituitary*. New York, Academic Press.

Palay, S.L.: The fine structure of the neurohypophysis. 1957. In Waelsch, H. (ed.): *Progress in Neurobiology: II. Ultrastructure and Cellular Chemistry of Neural Tissue*. New York, Paul B. Hoeber, p. 31.

Siegel, G.J., B.W. Agranoff, R. W. Albers, and P.B. Molinoff. 1989. *Basic Neurochemistry. Molecular, Cellular and Medical Aspects*. New York, Raven Press.

Scharrer, E. 1966. *Endocrines and the Central Nervous System*. Baltimore, Williams and Wilkins.

Szentagothai, J., Flerko, B., Mess, B., and Halasy, B. 1968. *Hypothalamic Control of the Anterior Pituitary*. Budapest, Akademiai Kiado.

Wislocki, G.B. 1938: The vascular supply of the hypophysis cerebri of the rhesus monkey and man. *Proc. Assoc. Res. Nerv. Dis.*, 17:48.

CHAPTER 17 – CEREBRAL CORTEX : BIBLIOGRAPHY

PART I: CYTOARCHITECTURE, NEUROPHYSIOLOGY AND CORRELATIONS GENERAL SEE ALSO CHAPTER 29.

(NOTE PART II CORTICAL FUNCTIONAL LOCALIZATION WILL BE FOUND ON A MASTER BIBLIOGRAPHY FOR CORTICAL LOCALIZATION)

Bailey, P. and G. von Bonin. 1951. *The Isocortex of Man*. Urbana, IL: University of Illinois Press.

Brodal, A. 1981. in *Neurological Anatomy in Relation to Clinical Medicine* - 3rd Edition. New York: Oxford University Press. Chapter 6: The reticular formation and some related nuclei. pp.394-441. Chapter 12: Cerebral cortex, pp.778-848.

Brodman, K. 1994. *Localization in the Cerebral Cortex*. English translation by L. J. Garey. London: Smith-Gordon.

Brazier, M.A.B. 1977. *The Electrical Activity of the Nervous System*. 4th edition. Baltimore: Williams and Wilkins. pp. 66-74, 175-208, 217-236.

Colonnier, M. L. 1966. The structural design of the neocortex (in) *Brain and Conscious Experience* (ed.) J.C. Eccles. New York: Springer -Verlag. 1-23.

Conel, J. 1939-1968. *The Postnatal Development of the Human Cerebral Cortex*. Volumes I to VI. Cambridge, MA.: Harvard University Press.

Eccles, J.C. ed. 1966. *Brain and Conscious Experience*. New York. Springer Verlag.

Engel, J. Jr. 1989. *Seizures and Epilepsy*. Philadelphia: F.A. Davis. pp.41-70.

Lorente de No. R. 1949. Cerebral cortex: architecture, intracortical connections, motor projections, in *Physiology of the Nervous System* - 3rd ed. ed. J.F. Fulton. New York: Oxford University Press, pp. 288-330.

Peters, A., and E.G. Jones eds. 1984. *Cerebral Cortex I: Cellular Components of the Cerebral Cortex*. New York: Plenum.

Rakic, P. and W. Singer, ed. 1988. *Neurobiology of Neocortex*. New York: Wiley

Reeves, A.G. ed. 1985. *Epilepsy and the Corpus Callosum*. New York. Plenum.

SPECIFIC REFERENCES AND CITATIONS

Angevine, J. and M.S. Smith. 1982. Recent advances in forebrain anatomy and their clinical correlates, (in) *New Perspectives in Cerebral Localization*, eds. R.A. Thompson and J.R. Green. New York: Raven Press.

Clemente, C.D. and M.B. Serman. 1967. Basal forebrain mechanisms for internal inhibition and sleep. *Res. Publ. Assn. Nerv. Mental Dis.* 45:127-147.

Curtis, H.H. 1940. Inter cortical connections of corpus callosum as indicated by evoked potentials. *J. Neurophysiol.* 3:407-413.

Dehay, C., H. Kennedy, J. Bullier et al. 1988. Absence of interhemispheric connections of area 17 during development in the monkey. *Nature.* 331:348-350.

Duchowny, M., P. Jayakar, and B. Levin. 2000. Aberrant neural circuits in malformation of cortical development and focal epilepsy. *Neurology.* 55: 423-428.

- Eidelberg, E., B. Konigsmark and J.D. French. 1959. Electrocortical manifestations of epilepsy in monkey. *Electroenceph. Clin. Neurophysiol.* 11:121-128.
- Enna, S.J. 1993. Gamma aminobutyric acid A receptor subunits in the mediation of selective drug action. *Current Opinion in Neurology and Neurosurgery.* 6:597-601.
- French, J.D., B.E. Gernandt, and R.B. Livingston. 1956. Regional differences in seizure susceptibility in monkey cortex. *Arch. Neurol. Psychiat.* 72:260-274.
- Jacobson, S. and E. M. Marcus. 1970. The laminar distribution of fibers of the corpus callosum: a comparative study in rat, cat, monkey and chimpanzee. *Brain Research.* 24:517-528.
- Jacobson, S. and J. Q. Trojanowski. 1974. The cells of origin of the corpus callosum in rat, cat and rhesus monkey. *Brain Research.* 74:149-155.
- Jasper, H. 1949. Diffuse projection system: the integrative action of the thalamic reticular system. *Electroenceph. Clin. Neurophysiol.* 11:121-128.
- Jones, E.G. 1985. Anatomy, development and physiology of the corpus callosum. In Reeves, A.G. ed.. New York: Plenum.
- Killackey, H.P. 1985. The organization of somato-sensory callosal projections: a new interpretation (in) Reeves. A.G(ed) *Epilepsy and the Corpus Callosum...* New York: Plenum, pp.41-53.
- Killackey, H.P. and L.M. Chalupa. 1986. Ontogenetic changes in the distribution of callosal projection neurons in the post central gyrus of the fetal rhesus monkey. *J. Comp. Neurology.* 244:331-348.
- Marcus, E.M. 1985. Generalized seizure models and the corpus callosum (in). Reeves, A.G *Epilepsy and the Corpus Callosum* (ed.). New York: Plenum, pp. 131-206.
- Marcus, E.M., C.W. Watson. 1968. Symmetrical epileptogenic foci in monkey cerebral cortex: mechanisms of interaction and regional variations in capacity for synchronous discharges. *Arch. Neurol.* 19:99-116.
- Marcus, E.M., C.W. Watson, and S. Jacobson. 1969. Role of the corpus callosum in bilateral synchronous discharges induced by intravenous pentylenetetrazol. *Neurology,* 19:309.
- Martin, J.H. 1985. Cortical neurons, the EEG and the mechanisms of epilepsy (in) E.R. Kandel, and J.H. Schwartz (eds). *Principles of Neural Science - 2nd ed.* New York: Elsevier. pp.636-647.
- McCulloch, W.S. 1944. Cortico-cortical connections (in) . P. C. Bucy ed. *The Precentral Motor Cortex*, Urbana, IL: University of Illinois Press, pp.211-242.
- McNamara, J.C. 1993. Excitatory amino acid receptors and epilepsy. *Current Opinion in Neurology and Neurosurgery.* 6:583-587.
- Meyer, B.U., S. Roricht, H. Graf von Einsiedel et al. 1995. Inhibitory and excitatory interhemispheric transfers between motor cortical areas in normal humans and patients with abnormalities of the corpus callosum. *Brain.* 118:429-440.
- Morrison, R.S., and E.W. Dempsey. 1942. A study of thalamocortical relations. *Amer. J. Physiol.* 135:281-292.
- Myers, R.E. 1965. General discussion: phylogenetic studies of commissural connections (in) E.G. Ettlinger (ed). *Functions of the Corpus Callosum.* Boston: Little Brown & Company, pp. 138-142.
- Pandya, D. N. and D. L. Rosene. 1985. Some observations on trajectories and topography of commissural fibers, (in) *Epilepsy and the Corpus Callosum.* ed. A.G. Reeves, New York: Plenum Press, pp.21-39.

Prince, D.A. 1978. Neurophysiology of epilepsy. *Ann. Rev. Neurosci.* 1:395-415.

Purpura, D.P. 1959. Nature of electrocortical potentials and synaptic organizations in cerebral and cerebellar cortex. *Int. Rev. Neurobiol.* 1:47-163.

Purpura, D.P. 1964. Relationship of seizure susceptibility to morphologic and physiologic properties of normal and abnormal immature cortex (in) *Neurological and electroencephalographic correlative studies in infancy.* F. Kellaway, and I. Petersen. (ed.) New York: Grune and Stratton, pp. 117-157.

Scheibel, M.E. and A.B. Scheibel. 1967. Structural organization of non-specific thalamic nuclei and their projection toward the cortex. *Brain Research.* 6:60-94.

Skinner, J.E., and D.B. Lindsley. 1967. Electrophysiological and behavioral effects of blockade of the non-specific thalamocortical system *Brain Res.* 6:95-118.

Spencer, W.A., and E.R. Kandel. 1961. Electrophysiology of hippocampal neurons: IV fast prepotentials. *J. Neurophysiol.* 24:272-85.

Spencer, W.A. and E.R. Kandel. 1968. Cellular and integrative properties of hippocampal pyramidal cells and the comparative electrophysiology of cortical neurons. *Int. J. Neurol.* 6:266-296.

Starzl, T.E., and D.G. Whitlock. 1952. Diffuse thalamic projection system in the monkey. *J. Neurophysiol.* 15:449-468.

Steriade, M. and R. Llinas. 1988 The functional states of the thalamus and the associated neuronal interplay. *Physiol. Rev.* 68: 649-742.

Velasco, M., and D.B. Lindsley. 1965. Role of orbital cortex in regulation of the thalamocortical electrical activity. *Science.* 149:1375-1377.

Von Economo, C. 1929. The cytoarchitectonics of the human cerebral cortex. London: Oxford University Press.

Walker, A.E. 1964. The patterns of propagation of epileptic discharge, (in) *Cerebral Localization and Organization*, eds. G. Schaltenbrand, and C.W. Woolsey. Madison: University of Wisconsin Press, pp.95-111.

CHAPTER 17 PART II FUNCTIONAL LOCALIZATION : REFER TO MASTER BIBLIOGRAPHY FOR CORTICAL LOCALIZATION

CHAPTER 18. BIBLIOGRAPHY Part I: REFLEX ORGANIZATION, THE PYRAMIDAL TRACT DEVELOPMENT, AND GAIT DISORDERS OF THE ELDERLY (PART II CORTICAL LOCALIZATION FOR THE MOTOR AREAS WILL BE FOUND IN THE MASTER CORTICAL LOCALIZATION BIBLIOGRAPHY) GENERAL

Alexander, G.E. and M.R. Delong. 1992. Central mechanisms of initiation and control of movements. In Asbury, A.K. et al (ed. *Diseases of the Nervous System.* Philadelphia. W.B. Saunders. Pp/285-308.

Carew, T.J., and D.B Kelley. 1989. Perspectives in Neural Systems and Behavior. MBL Lectures in Biology 10. N.Y. Alan Liss.

Denny-Brown, D. 1960. Motor Mechanisms: Introduction, the general principles of motor integration. *Handbook of Physiology*, Section 1, *Neurophysiol.*, 2:781-796, Washington, D.C., American Physiologic Society,.

Denny-Brown, D. 1966. *The Cerebral Control of Movement*. Springfield Ill., Charles C. Thomas.
 Desmedt, J.E. (Ed). 1983 *Motor Control Mechanisms in Health and Disease*. New York, Raven Press.

Fulton, J.F. 1951 . *Physiology of the Nervous System*. Third Edition, New York, Oxford University Press.

Ghez, C. 1991. *The Control of Movement*, Chapter 35 (in) Kandel E. R. , Schwartz, J. H., Jessell, T. M.: *Principles of Neural Science - 3rd Ed.*, New York, Elsevier, pp.553-547.,

Humphrey, D.R., and Freund, H.J.1991. *Motor Control Concepts and Issues*. New York, John Wiley and Sons.
 Klemm, W.R., and Vertes, R.P. (Ed.). 1990.*Brain Stem Mechanisms of Behavior*. New York, Wiley Interscience.

Lance, J.W., and McLeod, J.G. 1981. *A Physiological Approach to Clinical Neurology - 3rd Ed.*, London, Butterworths. Chapter 4: Spinal Reflexes, pp.73-100, Chapter 5: Muscle Tone and Movement, pp.101-127, Chapter 6 - Disordered Muscle Tone, pp.28-152

Ruch, T.C. 1965. *Transection of the Spinal Cord (Chapter 8).Pontobulbar Control of Posture and Orientation in Space. (Chapter9).*, pp. 207-214, 215-225 (Chapters 6 and 7 on Spinal Reflexes and Synaptic Transmission, pp.153-180, 181-206) (in) Ruch, T. C. and H. D. Patton (Eds). *Physiology and Biophysics*. Philadelphia.W.B. Saunders..
 Sherrington, C. 1947. *The Integrative Action of the Nervous System*. New HaveN, Yale University Press.

Willis, W.D., and R. G. Grossman. 1981.*Medical Neurobiology; Neuroanatomical and Neurophysiological Principles of Basic Clinical Neuroscience*. Edition 3, St.Louis, C. V. Mosby, Chapter 8:Motor Systems, pp.347-402.

SPECIFIC REFERENCES

CENTRAL PATTERN GENERATORS

Bizzi,E. and E.V. Evarts. 1971. Translational mechanisms between input and output. *Neurosciences Research Program Bull.* 9:31-59.

Burke, R.E. 1971.Control systems operating on spinal reflex mechanisms. *Neurosciences Research Program Bulletin.* 9:60-85.

DeLong, M. 1971. Central patterning of movement. *Neurosciences Research Program Bulletin.* 9:10-30. Grillner, S., and P. Wallen,. 1985. Control pattern generators for locomotion with special reference to vertebrates. *Ann. Rev. Neurosci.* 8:233-61.

Harris-Warrick, P.M. and B. R. Johnson 1989. Motor pattern networks: flexible foundations for rhythmic pattern production (in) Carew, T.J., and D.B Kelley. (Ed): *Perspectives in Neural Systems and Behavior*. N.Y., Alan R. Liss, pp.51-71, (MBL Lectures in Biology - Volume 10).

Stein, P.S.G.1978. Motor systems with specific reference to the control of locomotion. *Ann. Rev. Neurosci.*, 1:61-81.

SPINAL CORD (INCLUDES SPASTICITY): (See also Chapter 9)

Dimitrijevic, M.R., J. Faganel, D. Lehmkuhl, and A. Sherwood. 1983. Motor Control in Man After Partial or Complete Spinal Cord Injury (in) Desmedt, E. (Ed): *Motor Control Mechanisms in Health and Disease*. N.Y., Raven Press, pp.915-926.

Granit, R., and B. R. Kaada. 1952. Influence of Stimulation of Central Nervous Structures on Muscle Spindle in Cat. *Acta Physiol. Scan.* 27:130-160.

Hutlbom, H., and Illert, M. 1991.How is Motor Behavior Reflected in the Organization of Spinal Systems? (in) Humphrey, D.R., &Freund, H.J. (Ed): *Motor Control: Concepts and Issues*. New York, John Wiley and Sons, pp.49-73.

Young, R.R. 1989. Treatment of Spastic Paresis (Editorial). *N. Engl. J. Med.*320:1517-1525

BRAIN STEM: (See also Chapters 15, 16)

Denny-Brown, D. 1962. The midbrain and motor Integration (Sherrington Memorial Lecture) Proc. Roy. Soc. Med.. 55:527-538.

Klemm, W.R. 1990. Historical and introductory perspectives on brain stem mediated behavior (in) Klemm, W.R., and R.P. Vertes, (Ed) Brain Stem Mechanisms of Behavior. N.Y., Wiley, pp.3-32.

Magoun, H.W., and R. Rhines. 1946. An inhibitory mechanism in the bulbar reticular formation. J. Neurophysiol. 9:161-71.

McCulloch, W.S., C. Graf, and H.W. Magoun. 1946. A cortical bulbar reticular pathway from area 4S. J. Neurophysiol. 9:127-32.

Morgenson, G. J. 1990. Brainstem systems for the control of behavioral acts (in) Klemm, W.R., and R. P. Vertes, (Ed): Brain Stem Mechanisms of Behavior. N.Y., Wiley, pp.171-195.

Peterson, B.W. 1979. Reticulospinal projections to spinal motor nuclei. Ann. Rev. Physiol. 41:127-40.

Twitchell, T.E.: 1965. Attitudinal reflexes. J. Amer. Phys. Ther. Assn. 45:411-418.

CEREBRAL CORTEX: (See also Cortical Localization References)

Alexander, G.E., M. R. DeLong and D.L. Strick. 1986. Parallel organization of functionally segregated circuits linking basal ganglia and cortex. *Ann.Rev.Neurosci.*9:357-81.

Andersen, R. A., Snyder, L.H., D.C. Bradley, and J. Xing.1997. Multimodal representation of space in the posterior parietal cortex and its use in planning movements. *Annual Review of Neuroscience*. 20: 393-330.

Colby, C. L. and M. E. Goldberg. 1999. Space and attention in parietal cortex. *Annual Review of Neuroscience* 22:319-351.

Decke, L. Bereitschaft potential as an indicator of movement preparation in supplementary motor area and motor cortex. (in) *Motor Areas of the Cerebral Cortex*. Chichester. Wiley.(Ciba Foundation Symposium 132)pp. 231-250).

DeRenzi, E. and C. Barbieri. 1992. The incidence of the grasp reflex following hemispheric lesions and its relation to frontal damage. *Brain*. 115:293-313.

Dum, R.P., and P. L Strick.1991. Premotor areas: Nodal Points for Parallel Efferent Systems Involved in The Central Control of Movement (in) Humphrey, D.R. and H.J Freund.*Motor Control:Concepts and Issues*. New York, John Wiley & Sons,pp.383-397

Georgopoulos, A.P. 1991. Higher motor control. *Ann. Rev. Neurosci.*14:361-77

Gilman, S., J. S. Lieberman,, and L. A. Marco. 1974. Spinal mechanisms underlying the effects of unilateral Ablation of Areas 4 & 6 in the Monkey. *Brain*. 97:49-64.

Graziano, M. S. A., G. S. Yap and C. G. Gross. 1994. Coding of visual space by premotor neurons. *Science*. 266: 10541056.

Humphrey, D.R., and J. Tanji. 1991. What features of voluntary motor control are encoded in the neuronal discharge of different cortical motor areas? (in) Humphrey, D.R. and Freund, H.J. (Ed) *Motor Control Concepts and Issues*. N.Y., John Wiley and Sons, pp.413-443.

Kalaska J. F. and D.J. Crammond. 1992. Cerebral Cortical Mechanisms of Reaching. *Science*. 255:1517-1523.

Magnani, G., A. Mazzucchi, A. Dolett, et al. 1987.Involuntary grasping and groping responses to space related visual stimuli. *Movement Disorders*. 1:9-24.

Papa, S.M., J. Artieda, and J.A Obeso. 1991.Cortical activity preceding self initiated and externally triggered voluntary movement. *Movement Disorders*. 6:217-224.

Passingham, R.E. 1987. Two cortical systems for directing movements (in) CIBA Foundation Symposium 132. *Motor Areas of the Cerebral Cortex*. N.Y., John Wiley & Sons,pp.151-164.

Phillips, C.G., and R. Porter. 1977. *Corticospinal Neurons: Their Role in Movement*. London. Academic Press.

Rushworth, G. and D. Denny-Brown. 1959. The Two Components of the Grasp Reflex After Ablation of Frontal Cortex in Monkeys. *J. Neurol. Neurosurg. and Psychiatry*. 22:91-98.

Sanes, J. N., Donoghue, J. P., Thangaraj, V. et al. 1995. Shared neural substrates controlling hand movements in human motor cortex. *Science*. 268: 1775-1777.

Seyffarth, H. and D. Denny-Brown. 1948.The Grasp Reflex and the Instinctive Grasp Reaction. *Brain*. 71:109-183.

Twitchell, T.E. 1951.The Restoration of Motor Function Following Hemiplegia in Man. *Brain*. 74:443-480.

Twitchell, T.E. 1958. The Grasping Deficit in Infantile Spastic Hemiparesis. *Neurology*. 8:13-21.

Twitchell, T.E.: 1965. The Automatic Grasping Responses of Infants. *Neuropsychologia*. 3:247-259.

Weisendanger, M., H. Hummelshein, M. Bianchetti, et al. 1987. Input and Output Organization of Supplementary Motor Area (in) CIBA Foundation Symposium. 132; Motor Areas of the Cerebral Cortex. N.Y. John Wiley & Sons, pp.40-62

Wise, S.P. 1985. The Primate Premotor Cortex: Past, Present and Preparatory. *Ann.Rev.Neurosci.* 8:1-19.

Wise, S.P., D. Boussaoud, P.B. Johnson and R. Caminiti. 1997. Premotor and parietal cortex: Corticocortical connectivity and combinational computations. *Annual Review of Neuroscience*. 20:25-42.

RECOVERY FROM CEREBRAL LESIONS AND PLASTICITY OF CORTEX

Buonomano, D.V. and Merzenich, M. M. 1998. Cortical plasticity: from synapses to maps. *Annual Review of Neuroscience* 21: 149-186.

Freund, H.J. What is the evidence for multiple motor areas in the human brain. (in) *Motor Control: Concepts and Issues*. (Eds) Humphrey, D.R., and Freund, H.J. N.Y. John Wiley & Sons. pp.399-411.

Jacobs, K.M., and J.P. Donoghue. 1991. Reshaping the cortical motor map by unmasking latent intracortical functions. *Science*. 251:944-947.

Kaas, J.H. 1991. Plasticity of sensory and motor maps in adult mammals. *Ann. Review Neurosci.* 14:137-67.

Pantano, P., R. Formisano, M. Ricci, et al. 1995. Prolonged muscular flaccidity after stroke. Morphological and functional brain alterations. *Brain*. 118: 1329- 1338.

Sanes, J. N. and J. P. Donoghue. 2000. Plasticity and primary motor cortex. *Annual Review Of Neuroscience*. 23:393-416.

Twitchell, T.E. 1951. The restoration of motor function following hemiplegia in man. *Brain*. 74:443-480.

Warabi, T., K., Inoue, H. Noda, and S. Murakami. 1990. Recovery of voluntary movement in hemiplegic patients: Correlation with degenerative shrinkage of the cerebral peduncle in CT images. *Brain*. 113:177-189.

Weiller, C., F. Chollet, K. J. Friston, et al. 1992. Functional reorganization of the brain in recovery from striatocapsular infarction in man. *Annal. Neurol.* 31:463-472,

THE PYRAMIDAL TRACT AND OTHER DESCENDING MOTOR SYSTEMS:

Bucy, P.C., R. Ladplis, and A. Ehrlich. 1966. Destruction of the Pyramidal Tract in the Monkey. *J. Neurophysiol.* 25: 1-20.

Jagiella, W.M. and J.H. Sung. 1989. Bilateral infarction of the medullary pyramids in humans. *Neurology*. 39:21-24.

Kuypers, H.G.J.M. 1987. Some aspects of the organization of the output of the motor cortex: Bock, G., O'Connor, M., and Marsh, (Eds) *Motor Areas of the Cerebral Cortex*. N.Y. John Wiley & Sons, 1987. CIBA Foundation Symposium #132. pp.63-82.

Lawrence, D.G. and H.G.J.M Kuypers. 1968. The functional organization of the motor system in the monkey. I. The effects of bilateral pyramidal lesions. *Brain*, 91:1-14.

Nathan, P. W., M. Smith and P. Deacon. 1996. Vestibulospinal, reticulospinal and descending propriospinal nerve fibres in man. 119: 1809-1833.

Nathan, P. W. and M. C. Smith. 1982. The rubrospinal and central tegmental tracts in man. *Brain*. 105:223-269.

Schwartzman, R. J. 1978. A behavioral analysis of complete unilateral section of the pyramidal tract at the medullary level in *Macaca Mulatta*. *Ann. Neurol.* 4:234-244.

Wall, P.D. 1970. The sensory and motor role of impulses traveling in the dorsal columns towards cerebral cortex. *Brain*. 95: 503-524.

THE CENTRAL CONTROL OF EYE MOVEMENT BY CEREBRAL CORTEX. See also cerebral cortex above and cortical localization.

Goldberg, M. The control of gaze. 2000. (In) Kandel, E. R., J.H. Schwartz, and T. M. Jessell. Ed. *Principles Of Neural Science*. 4th edition. New York. McGraw Hill pp.782-800.

Morrow, M. J. and Sharpe, J. A. 1993. Retinotopic and directional deficits of smooth pursuit initiation after posterior cerebral hemispheric lesions. *J. Neurol.* 43: 595-603.

POSTNATAL DEVELOPMENT AND DISORDERS OF DEVELOPMENT:

Adams, R.D. and M. Victor. 1993. *Principles of Neurology*. Chapter 28.

Normal development and deviations in development of the nervous system. Pp. 493-525.

Bodensteiner, J.G. 1992. Plantar responses in infants. *J. Child. Neurol.* 7: 311-313.

Freud, S. (Russin, L.A., Translator) : 1968 (1897 Original Date of Publication). *Infantile Cerebral Paralysis*. Coral Gables Florida University Miami Press.

Gesell, A. and C. S. Amatruda. 1954. *Developmental Diagnosis: Normal and Abnormal Child Development*. 2nd edition. New York. Hoeber Harper.

Little, W.J. 1862. On the influence of abnormal parturition, difficult labours, premature birth and asphyxia neonatorum with mental and physical conditions of the child especially in relation to deformities. *Trans. Obstetrical Soc. London*, 3:293-344.

Myers G.J. and M.C. Mc Bride. 1993. Clinical neurological examination of the preterm and term neonate. *Seminars in Neurology*. 13: 1-9.

Nelson, K.B., and Ellenberg, J.H. 1986. Antecedents of cerebral palsy: Multivariate analysis of risk. *N. Engl. J. Med.* 315:81- 86.

Paneth, N. 1986. Birth and the origins of cerebral palsy (Editorial). *N. Engl. J. Med.* 315:124-126.

Wolff, P.H. and Ferber, R. 1979. The development of behavior in human infants, premature and newborn. *Ann. Rev. Neurosci.* 2: 291-307.

Yakolev, P. I. and A.R. LeCours. 1967. The myelogenetic cycles of normal development of the brain. (in) Minkowski, A.R.(ed) *Regional Development of the Brain in Early Life*. Oxford Blackwell. pp 3-70.

GAIT DISORDERS OF THE ELDERLY:

Adams, R.D., C.M. Fisher, S. Hakim. et al. 1965. Symptomatic occult hydrocephalus with "Normal" cerebrospinal fluid pressure: A treatable syndrome. *N. Engl. J. Med.* 273:117-26.

- Fisher, C.M. 1982. Hydrocephalus as a cause of disturbances of gait in the elderly. *Neurology*. 32:1358-63.
- Fishman, R.A. 1985. Normal Pressure Hydrocephalus and Arthritis (Editorial). *N. Engl. J. Med.* 312:1255-6.
- Hachinski, V.C., P. Potter and H Merskey. 1987. Leuko-araiosis. *Arch. Neurol.* 44:21-23.
- Inzitar, D., F. Diaz, A Fox. et al. 1987. Vascular risk factors and leuko-araiosis *Arch.Neurol.* 44:42-47,.
- Jacobs, L., D. Conti. , W.R Kinkel,, E.J. Manning. 1976. "Normal pressure" hydrocephalus: relationship of clinical and radiographic findings to improvement following shunt surgery. *JAMA*. 235:510-12.
- Masdeu, J.C., L. Wolfson, and G., Lantos, et al. 1989. Brain white matter changes in the elderly prone to falling. *Arch. Neurol.* 46:1292-1296.
- Rasker, J.J., E.N.H Jansen. , J. Haan, and J. Oostrom. 1985. Normal pressure hydrocephalus in rheumatic patients: A diagnostic pitfall. *N. Engl. J. Med.*, 312:1239-1241.
- Steingart, A., V.C Hackinski, , C., Lau, et al. 1987. Cognitive and neurological findings in subjects with diffuse white matter changes on computed topographic scan (leukoariosis). *Arch.Neurol.* 44:32-34.
- Sudarsky, L. 1990. Current Concepts - Geriatrics: Gait disorders in the elderly. *N. Engl. J. Med.* 322:1441-1446.
- Sudarsky, L., and M. Ronthal. 1983. Gait disorders among elderly patients: A survey study of 50 patients. *Arch. Neurol.* 40:740-3.
- Thompson, P.D., and C.D Marsden. 1987. Gait disorder of subcortical arteriosclerotic encephalopathy: Binswanger's disease. *Movement Disorders*, 2:1-8.
- Tinetti, M.D., and M. Speechly. 1989. Current Concepts: Geriatrics: Prevention of falls among the elderly. *N. Engl. J. Med.* 320:1055-1059.
- Tinetti, M. D., M. Speechly. ,S. F. Ginter. 1988. Risk factors for falls among elderly persons living in the community. *N. Engl. J. Med.* 319: 1701-7.

PART II CORTICAL LOCALIZATION FOR MOTOR AREAS WILL BE FOUND IN THE MASTER CORTICAL LOCALIZATION BIBLIOGRAPHY

CHAPTER 19 THE BASAL GANGLIA :BIBLIOGRAPHY GENERAL

- Albin, D. Young, A. B., Penney, J. B. 1989. The functional anatomy of basal ganglia disorders. *Trends Neurosci.* 12; 366-75.
- Cooper, I. S. 1969. *Involuntary Movement Disorders*. New York, Hoeber Medical Division. Cooper, J. R., Bloom, F. E., and Roth, R. H. 1991. *The Biochemical Basis of Neuropharmacology*. New York. Oxford University Press. (See in particular Chapter 10: Dopamine pp.285-337).
- Denny-Brown, D. 1962. *The Basal Ganglia and Their Relation to Disorder of Movement*. London, Oxford University Press.
- Galvez- Jimenez, N. (Ed.) 2001. *Movement Disorders. Seminars in Neurology*. 21:1-123.
- Hallett, M. 1991. Classification and treatment of tremor. *JAMA*, 266:1115-1117.
- Haymaker, W., Mehler, W.F., and Schiller, F. 1969. *Extrapyramidal Motor Disorders* (in) Haymaker, W., (Ed). *Bing's Local Diagnosis in Neurological Disease*. St.Louis, C.V. Mosby, pp.404-440.

- Hurtig, H. I. And M. B. Stern. (Ed.) 2001. Movement Disorders. Neurologic Clinics.19: 523-788.
- Jankovic, J., and Tolosa, E. (Ed.). 1988. Parkinson's Disease and Movement Disorders. Baltimore-Munich: Urban & Schwarzenberg. 499 pp.
- Lowe, J., G. Lennox and P.N. Leigh.1997. Disorders of movement and system degenerations. (In). Graham, D.I. and P.L. Lantos. Greenfield's Neuropathology. Vol 2:281-366.
- Marsden. C. D. and S. Fahn. (Ed.).1987. Movement Disorders II. London/ Boston, Butterworths. 468 pp.
- Noback, C.R., Strominger, N.L., Demarest, R.J. 1991.The Human Nervous System; Introduction and Review 4th Ed.. Philadelphia Lea & Febiger, Chapter 24, pp.375-395.
- Oppenheimer, D. R. 1984. Diseases of the Basal Ganglia, Cerebellum and Motor Neurons (in) Adams, J.H., Corsellis. J. A. N., and Dicker,L.W. (Eds). Greenfield's Neuropathology. London, Edward Arnold. pp.700-747.
- Quinn, N. 1995. Fortnightly review: Parkinson's disease:recognition and differential diagnosis. BMJ. 310:447-452.
- Rascol, O. and A.J. Lees (ed). 1999. Dyskinesias. Movement Disorders. 14: Supplement1 :1-80.
- Riley, D. E. and A. E. Lang. 2000. Movement disorders. (in) Bradley, W. G., R. B. Daroff, G. M. Fenichel and C. D. Marsden. Neurology in Clinical Practice. Boston Butterworth Heinemann. II: 1889-1930.

SPECIFIC REFERENCES AND CITATIONS

- Agid, Y., D. Cervera, E. Hirsh et al. 1989. Biochemistry of parkinson's disease 28 years later: A critical review. Movement Disorders. 4: S1 : 126-144.
- Agid, Y., F. Javoy-Agid and M. Ruberg. 1987. Biochemistry of neurotransmitters in Parkinson's disease. (in) Marsden, C. D. and S. Fahn. Movement Disorders 2. London/Boston. Butterworths. Pp 166-230.
- Albin, R. I., Young,A. B., Penney,J .B., et al. 1990. Abnormalities of Striatal Projection Neurons And N-Methyl D-Aspartate Receptors in Presymptomatic Huntington's Disease. N. Engl. J. Med.322:1293-1298.
- Alexander, G. E., De Long, M. R., Strick, P. L. 1986. Parallel organization of functionally segregated circuits linking basal ganglia and cortex. Ann.Rev.Neurosci.. 9:375-381.
- Alyward, E. H.,A. M. Codori, A. Rosenblatt, et al. 2000. Rate of caudate atrophy in Pre symptomatic and symptomatic stages of Huntington's disease. Movement Disorders. 15:552-560.
- Aziz.T.Z., Peggs.D., Sambrook.M.A., and Crossman.A.R. 1991. Lesion Of the Subthalamic Nucleus for the Alleviation of l-Methyl-4 Phenyl 1,2,3,6, Tetrahydropyridine (MPTP) Induced Parkinsonism In the Primate. Movement Disorders. 6:288-292.
- Ballard, P.H., Tetrud, J.W., and Langston, J.W. 1985.Permanent Human parkinsonism due to l-methyl-4 phenyl, 1,2,3,6, tetra-Hydropyrine (mptp): seven cases. Neurology, 35:949-56.
- Bandmann, O., M. G. Sweeney, S.E. Daniel, et al.1997. Multiple system atrophy is genetically distinct from identified inherited causes of spinocerebellar degeneration. Brain. 49: 1598-1604.
- Berciano, J. 1988. Olivopontocerebellar Atrophy (in) Jankovic, J., and Tolosa, E.: Parkinson's Disease and Movement Disorders.Baltimore/Munich, Urban & Schwartzenberg. pp.131-151.
- Bergman, H., Wichmann, T., DeLong, M.R. 1990. Reversal of Experimental Parkinsonism by Lesions of the Subthalamic Nucleus. Science. 249:1436-1438.

- Bhatia, K. P. 2001. Familial (idiopathic) paroxysmal dyskinesias.: An update. *Seminars in Neurology*. 21: 69-74.
- Bhatia, K. P., R. C. Griggs and L. J. Ptacek. 2000. Episodic movement disorders as channelopathies. *Movement Disorders* 15: 429-423.
- Brashear, A. 2001. The botulinum toxins in the treatment of cervical dystonia. *Seminars in Neurology*. 21 :85-90.
- Brooks, D.J. 1991.Detection of Preclinical Parkinson's Disease with PET. *Neurology*. 41: (Suppi.2): 24-27.
- Cooper,I.S. 1969. Involuntary Movement Disorders. New York, Paul B. Hoeber, Cote, L., and Crutcher, M.D. 1991.The Basal Ganglia (in) Kandel, E.R., Schwartz, J.H., Jessell, T.M.: *Principles of Neural Science* 3rd Ed.. N.Y.. Elsevier, pp.647-659.
- Cotzias, G.C., Papavasiliou, P.S., and Gellen. R. 1969.Modification of Parkinsonism – Chronic Treatment with L-Dopa. *N. Engl. J. Med.* 280:337-345.
- Cotzias, G. C., M. H. Van Woert and L. M. Schiffer. 1967.Aromatic amino acids and modification of Parkinsonism. *N. Engl. J. Med.* 276: 374-379.
- Crossman, A.R. 1990. A Hypothesis on the Pathophysiological Mechanisms That Underlie Levodopa or Dopamine Agonist Induced Dyskinesia in Parkinson's Disease: Implications for the Future Strategies in Treatment—Movement Disorders. 5:100-108.
- Crossman, A. R., I. J. Mitchell, M. A. Sambrook and A. Jackson. 1988. Chorea and myoclonus in the monkey induced by Gamma amino butyric acid antagonism in the lentiform complex. The site of drug action and a hypothesis for the neural mechanism of chorea. *Brain*. 121: 1-33.
- Daniel, S. E., V. M. de Bruin, and A. J. Lees. 1995. The clinical and pathological spectrum of Steele-Richardson Olszewski syndrome (progressive supranuclear palsy): a reappraisal. *Brain*. 118: 759- 770.
- De Bie, R. M. A., P. R. Schuurman, P. S. de Haan, et al. 1999. Unilateral pallidotomy in advanced Parkinson's disease: A retrospective study of 26 patients. *Movement Disorders*. 14: 951-957
- Delwaide, P.J., and Gance, M. 1988. Pathophysiology of Parkinson's Signs (in) Jankovic, J., and Tolosa, E.(Ed) *Parkinson's Disease and Movement Disorders* Baltimore/Munich, Urban and Schwarzenberg, 59-73.
- Deuschl, G. 2000. treatment options for tremor. *N. Engl. J. Med.* 342:505-507.
- Dunnett, S. B. and A. Bjorklund. 1999. Prospects for new restorative and neuroprotective treatments in Parkinson's disease. *Nature*. 399 supplement *Neurological Disorders*. A32-A39.
- Duvoisin, R. C.1998. Familial Parkinson's disease.*NeuroScience News*. 1: 43-46.
- Ebersbach, G. M. Sojer, F. Valladeoriopla, et al. 1999. Comparative analysis of gait in Parkinson's disease.cerebellar ataxia and subcortical arteriosclerotic encephalopathy. *Brain*. 122: 1349-1355.
- Eidelberg, D., A. Sortel, C. Joachim, et al. 1987. Adult onset Lallervorden- Spatz disease with Neurofibrillary pathology. A discrete clinicalpathological entity. *Brain*. 110: 993-1013.
- Fearnley, J. M. and A. J. Lees. 1990. Striatatonigral degeneration. A clinicopathological study. *Brain*. 113: 1823-1824.
- Forno, L.S., Alford,E.C. 1987. Pathology of Parkinson's Disease (in) Roller,W.C. (Ed.): *Handbook of Parkinson's Disease*. N.Y., Marcel-Dekker, pp.209-236.

- Freed, C. R., P. E. Greene, R. E. Breeze, et al. 2001. Transplantation of embryonic dopamine neurons for severe Parkinson's disease. *N. Engl. J. Med.* 344: 710-19. (see also editorial by Fischbach, G. D. and G. M. Mc Khann.2001.Cell therapy for Parkinson's disease. . *Engl. J. Med.* 344 763-765.
- Furukawa, Y. and S. J. Kish. 1999. Dopa responsive dystonia : Recent advances and remaining issues to be addressed. *Movement disorders.* 14:709-715.
- Gerfan, C. R. and T. M. Engbar. 1992. Molecular neuroanatomic mechanisms of Parkinson's disease. *Neurologic Clinics.* 10: 435-449.
- Gibb, W.R.G. 1988.The Neuropathology of Parkinsonian Disorders (in) Jankovic, J., and Tolosa,E.: Parkinson's Disease and Movement Disorders. Baltimore/Munich Urban & Schwarzenberg. pp.205-223. Gibb, W.R., P. J. Luthert and C. D. Marsden. 1989. Corticobasal degeneration.*Brain* 112::1171-1192.
- Goerdert, M., R. Jakes and M. G. Spillantini. 1998. Alpha-Synuclein and the Lewy body. *NeuroScience News.* 1: 47-51.
- Goetz, C.G. 1986.Charcot on Parkinson's Disease. *Movement Disorders,* 1:27-32.
- Goldblatt, D., Markesbery, W., Reeves, A. G. 1974. Recurrent Hemichorea Following Striatal Lesions. *Arch. Neurol.* 31:51-54.
- Graybiel, A.M., Ragsdale, C.W. 1978.Histochemically Distinct Compartments in Stratum of Human, Monkey and Cat Demonstrated by Acetylthiocholinesterase Staining. *Proc. Natl. Acad. Sci. U.S.A.* 75:5723-26.
- Growdon, J. H., Hirsh, M. J., Wurtman, R. J. and Wiener, W. 1977. Oral Choline Administration to Patients with Tardive Dyskinesia. *N. Engl. J. Med.* 297:524-527.
- Guridi, J. and J. A. Obeso. 2001. The subthalamic nucleus, hemiballismus and Parkinson's disease: reappraisal of a neurosurgical dogma. *Brain.* 124: 5-19.
- Gusella, J. F., N. S. Wexler, D. M. Conneally, et al. 1983. A polymorphic DNA marker genetically linked To Huntington's disease. *Nature.* 306: 234-238.
- Guttman, M. 1992. Dopamine receptors in parkinson's disease. *Neurologic clinics.* 10:377-386.
- Hallett,M., I. Litvan, et al. 2000. Scientific position paper of the Movement Disorder Society Evaluation of Surgery for Parkinson's Disease. 15: 436-438.
- Hornykiewicz, O.D. 1970. Physiological, Biochemical and Pathological Backgrounds of Levo Dopa and Possibilities for the Future.*Neurology* 1.20:(Part 2), 1-13.
- Hornykiewicz, O., Kish, S., Beckler, L. E, et al. 1986. Brain Neurotransmitters in Dystonia Musculorum Deformans. *N. Engl. J. Med.* 315:347-531.
- Huntington, G. 1872.On Chorea. *Med. Surg. Report.* 26:317-21.
- Huw, R. M., A. J. Lees and N. W. Wood. 1999. Neurofibrillary tanle Parkinsonian disorders-Tau pathology and Tau genetics. *Movement disorders.* 14: 731-736.
- Huw, R. M., M. N. W. Wood and A. J. Lees. 1999.. Progressive supranuclear palsy (Steele- Richardson- Olszewski disease). *Postgrad. Med. J.* 75:579-584.
- Jankovic, J. 1987. The neurology of tics. (In) Marsden, C. D. and S. Fahn. *Movement Disorders 2.*London/ Boston. Butterworths. 383-405.

- Jankovic, J.. Parkinsonism plus syndromes. 1989. *Movement Disorders* 4 (Suppl.1) (S) 95-119.
- Jankovic, J. 2001. Tourette's Syndrome. *N. Engl. J. Med.* 345:1184-1192.
- Jankovic, J., and Fahn, S. 1986. The Phenomenology of Tics. *Movement Disorders*. 1:17-26.
- Jankovic, J., and Fahn, S. 1988. Dystonic syndromes (in) Jankovic, J.,and Tolosa, E. (Ed.): *Parkinson's Disease and Movement Disorders*. Baltimore/Munich, Urban & Schwarzenberg, pp.283-314.
- Jankovic, J. 1989. Parkinsonism Plus Syndrome. *Movement Disorders*.4:(Supple.1).S95-S119.
- Jarman, P. R., M. B. Davis, S. V. Hodgson, et al. 1997. Paroxysmal dystonic choreoathetosis: genetic linkage studies in a British family. *Brain*. 120: 2125-2130.
- Jarman, P. R., K. P. Bhatia, C. Davie, et al. 2000. Paroxysmal dystonic choreoathetosis: Clinical features And investigation of pathophysiology in a large family. *Movement Disorders*. 15: 648-657.
- Kandel, E.: Disorders of Thought: Schizophrenia (in) Kandel, E R.Schwartz, J.H., and Jessell, T.M. 1991. *Principles of Neural Science* 3rd Ed. N.Y. Elsevier. pp.853-868.
- Keenen, R.E. 1970.The Eaton Collaborative Study of Levo Dopa Therapy in Parkinsonism. *Neurology*.20(Part 2):46-59.
- Kertesz, A. Corticobasal degeneration. 2000. *J. Neurol. Neurosurg. Psychiatry*. 68: 275-276.
- Kertesz, A., P. Martinez-Lage, W. Davidson and D. G. Munoz. 2000.The corticobasal degeneration syndrome overlaps progressive aphasia and frontotemporal dementia. *Neurology*. 55: 1368-1375.
- Klawans, H. L., Moses, H., Nausieda, D. A., et al. 1976. Treatment and Prognosis of Hemiballismus. *N. Engl. J. Med.* 295:1348-1350.
- Klawans.H. L., Paulson,G. W., Ringel, S. P., and Barbeau, A. 1972. Use of L-Dopa in the Detection of Presymptomatic Huntington's Chorea. *N. Engl. J. Med.* 286:1332-4.
- Klawans. H. L. 1988.The Pathophysiology of Drug-Induced Movement Disorders (in) Jankovic, J., and Tolosa, E. (Ed.): *Parkinson's Disease and Movement Disorders*. Baltimore/Munich, Urban and Schwarzenberg. pp.315-326.
- Koller, W.C. (Ed). 1992.Role of the Controlled Release Formulation of Carbidopa-Levodopa in the Treatment of Parkinson's Disease. *Neurology*. 42:Suppl.1: S-1-60.
- Koller, W.C.: Initiating Treatment of Parkinson's Disease.*Neurology*. 42:(Suppl.1),29-32, 1992.
- Kopin, I. J. 1988. MPTP toxicity : Implications for research in Parkinson's disease. *Ann. Rev. Neurosci.* 11:81-96.
- Lamoussin, P., P. Krack, P. Pollak, et al. 1998. Electrical stimulation of the subthalamic nucleus in advanced Parkinson's disease. *N. Engl. J. Med.* 339: 1105-1111.
- Lang, A. E. and A. M. Lozano.1998. Medical progress: Parkinson's disease. *N. Eng.J. Med.* 339:1044 –1053, 1130-1143.
- Lang, A.E., A. M. Lozano, M. E. Duff, et al 1997. Posteroventral medial pallidotomy in advanced Parkinson's disease. *N. Engl. J. Med.* 337: 1036-1042.
- Langston, J. W. and P. Ballard. 1984. Parkinsonism induced by 1-methyl,4-phenyl-1,2,3,6, tetrahydropyridine (MPTP): Implications for treatment and pathogenesis of Parkinson's disease. *Can. J. Neurol. Sci.*11: 160-165.

Langston, J. W., Ballard, P., Tetrud, J.W. and Irwin I. 1983. Chronic Parkinsonism in Humans due to a Product of Meperidine – Analog Synthesis. *Science*. 219:979-980.

Langston, J. W., Widner, H., Goetz, C.G., et al. 1992. Case Assessment Program for Intracerebral Transplantation (CAPIT). *Movement Disorders*. 7:2-13.

Laplane, D., M. Levasseur, B. Pillone, et al. 1989. Obsessive compulsive and other behavioral changes with bilateral basal ganglia lesions. *Brain*. 112:699-725.

Lees, A. J., and Tolosa, E. 1988. Tics (in) Jankovic, J., and Tolosa, E. (Ed): *Parkinson's Disease and Movement Disorders*. Baltimore/Munich, Urban and Schwarzenberg, pp.275-281.

Lees, A. J. 1987. The Steele-Richardson, Olszewski Syndrome (Progressive Supranuclear Palsy) (in) Marsden, C. D., and Fahn, S. (Ed.). *Movement Disorders 2* London/Boston, Butterworths. Pp 272-287.

Lewin, R. 1983. Trail of Ironies to Parkinson's Disease. *Science*. 224:1083-1085.

Lewin, R. 1984. Brain Enzyme is the Target of Drug Toxin. *Science*. 225:1460-1462.

Le Witt, D. A. 1992. Clinical Studies with and Pharmacokinetic Considerations of Sustained Release Levodopa. *Neurology*. 42: (Suppl 1). 29-31.

Lieberman, A. 1992. Emerging Perspectives in Parkinson's Disease. *Neurology*. 42: (Suppl.4): 5-7.

Lindvall, O. 1999. Cerebral implantation in movement disorders: state of the art. *Movement Disorders*. 14: 201-205.

Lindvall, O., Brundin, P., Widner, H., et al. 1990. Grafts of Fetal Dopamine Neurons Survive and Improve Motor Function in Parkinson's Disease. *Science*. 247:514-577.

Litwin, I. 2001. Diagnosis and management of progressive supranuclear palsy. *Seminars in Neurology*. 21: 41- 48.

Litwin, I., G. Campbell, C. A. Mangone, et al. 1997. Which clinical features differentiate progressive supranuclear palsy (Steele- Richardson- Olszewski syndrome) from related disorders? A clinicopathological study. *Brain*. 120: 65-74.

Luquin, M. R. O. Scipioni, J. Vaamonde et al. 1992. Levodopa induced dyskinesias in Parkinson's disease: clinical and pharmacological classification. *Movement Disorders*. 7: 117-124.

Martin, J.B. and Gusella, J.F. 1986. Huntington's Disease: Pathogenesis and Management. *N. Engl. J. Med*. 315:1267-1276.

Mathuranath, P. S., J. H. Xuereb, T. Bak and J. R. Hodges. 2000. Corticobasal degeneration and/or frontal temporal dementia? A report of two overlap cases and review of the literature. *J. Neurol. Neurosurg. Psychiatry*. 68: 304-312.

Mayeux, R. Y. Stern and S. Spanton. 1985. Heterogeneity in dementia of the Alzheimer type: evidence of subgroups. *Neurology*. 35: 453-461.

Testing for Huntington's Disease with use of a Linked DNA Marker. *N. Engl. J. Med*. 318: 535-42.

Mena, I., Court, J., Fuenzalida, S., et al. 1970. Chronic Manganese Poisoning: Treatment with L-Dopa or 5-OH Tryptophane. *N. Engl. J. Med*. 282:5-10.

Martin, J. R. 1951. Hemichorea (hemiballismus without lesions in the corpus Luysii. *Brain*. 80: 1-10.

- Meyers, R., D.B. Sweeney and J. T. Swidde. 1947. Hemiballismus: Etiology and surgical treatment J. Neurol. Neurosurg. Psychiatry. 58: 672-692.
- Mitchell, I. J., Jackson, A., Sambrook, M. A., and Crossman, A. R. 1989. The Role of the Subthalamic Nucleus in Experimental Chorea. Evidence from 2-Deoxyglucose Metabolic Mapping and Horse Radish Peroxidase Tracing Studies. Brain. 112:1533-1548.
- Montastruc, J. L., O. Rascol and J. M. Senard. 1999. Treatment of Parkinson's disease should begin With a dopamine agonist. Movement Disorders. 14: 725-730.
- Myers, R. H., Sax, D. S., Koroshetz, W. J., et al. 1991. Factors Associated with Slow Progression in Huntington's Disease. Arch. Neurol. 48:800-804.
- Myers, R. H., J. P. Vonsattel, T. J. Stevens, et al. 1988. Pathologic assessment of severity in Huntington's disease. Neurology. 38: 341-347.
- Olanow, C.W., and Calne, D. 1992. Does Selegiline Monotherapy in Parkinson's Disease Act by Symptomatic or Protective Mechanisms. Neurology, 42:(Suppl.4): 13-26.
- Olanow, C. W. and W. G. Tatton. 1999. Etiology and pathogenesis of Parkinson's disease. Annual Review of Neuroscience. 22: 123-144.
- Papp, M.I. and P. L. Lantos. 1994. The distribution of oligodendroglial inclusions in multiple system atrophy and its relevance to clinical symptomatology. Brain. 117: 235-243.
- Parkinson, J. 1817. An Essay on the Shaking Palsy. London, Sherwood, Neely & Jones Reprinted - The Classics of Neurology Neurosurgery Library, Birmingham, Gryphen Editions, 1986.
- Patten, B.M. 1988. Wilson's Disease (in) Parkinson's Disease and Movement Disorders. (Ed) Jankovic, J., and Tolosa, E.: Baltimore/Munich, Urban & Schwarzenberg, 179-190..
- Pauls, D.L., and Leckman, J.F. 1986. The Inheritance of Gilles de La Tourette's Syndrome and Associated Behaviors: Evidence for Autosomal Dominant Transmission. N. Engl. J. Med.. 315:993-997.
- Pearce, R. K. B. 1999. L- Dopa and dyskinesias in normal monkeys. Movement Disorders. 14: Supplement. 1: 9-12.
- Penney, J. B., Jr and A.B. Young. 1988. Huntington's disease (in) Jankovic, J. and E. Tolosa. Parkinson's Disease. Baltimore. Urban and Schwarzenberg. 167-178.
- Rinne, J. O., M. S. Lee, P.D. Thompson and C. D. Marsden. 1994. Corticobasal degeneration. A clinical study of 36 cases. Brain. 117:1183- 1196.
- Roberts, L. 1990. Huntington's gene: So near and so far. Science 247:624-617.
- Sarma, K., Waltz, J.M., Riklan, M., Koslow, M., and Cooper, I.S. 1970. Relief of Intention Tremor by Thalamic Surgery. J. Neurol. Neurosurg. Psychiatr.. 33:7-15.
- Sax, D. S., and Vonsattel, J. P. 1992. Chorea and Progressive Dementia in an 88-year-old Woman. N. Engl. J. Med., 326:117-124.
- Schmidt, W. R. and L. W. Jarcho. 1966. Persistent dyskinesias following phenothiazide therapy. Arch Neurol. 14: 369-377.
- Schneider, J. S., Pope, A., Simpson, K., et al. 1992. Recovery from Experimental Parkinsonism in Primates with GM1 Ganglioside Treatment. Science. 256: 843-6.

- Scheinberg, I.H. and I. Steinlieb. 1984. Wilson's Disease. Philadelphia. W. B. Saunders.
- Schuurman, P.R., D. A. Bosch, P.M.M. Bossuyt, et al. 2000. A comparison of continuous Thalamic stimulation and thalamotomy for suppression of severe tremor. *N. Engl. J. Med.* 342: 461-468
- Schwarz, G. A. and L. J. Barrows. 1960. Hemiballism without involvement of Luy's body. *Arch Neurol.* 2: 420-434.
- Sethi, K. P. 2001. Movement disorders induced by dopamine blocking agents. *Seminars In Neurology.* 21: 59-68.
- Siemers, E. and V. Reddy. 1991. Profile of patients enrolled an a new movement disorders clinic. 6: 336-341.
- Singer, H. S. 2000. Current issues in Tourette's syndrome. *Movement Disorders.* 15:1051-1063.
- Sladek, J. R., Redmond. B. E., Jr., Collier, T. J., et al. 1989. Transplantation Advances in Parkinson's Disease. *Movement Disorders.* 4:(Supple.1): S120, S125.
- Starkstein, S.E., Preziosi, T.J., Berthier, M.L., et al. 1989. Depression and Cognitive Impairment in Parkinson's Disease. *Brain.* 112:1141-1153.
- Storey, E. and M. F. Beal. 1993. Neurochemical substrates of rigidity and chorea in Huntington's disease. *Brain.* 116: 1201-1222.
- Stover, N. P. and R. L. Watts. 2001. Corticobasal degeneration. *Seminars in Neurology.* 21: 49-58. The Parkinson Study Group. 1989. Effect of Deprenyl on the Progression of Disability in Early Parkinson's Disease. *N. Engl. J. Med.* 321:1364. For updated report see also - *N. Engl. J. Med.* 328:176-83, 1993.
- Tanner, C. M. and J. W. Lanston. 1990 Do environmental toxins cause Parkinson's disease? A critical review. *Neurology* 40: 17-30.
- Tolosa, E., and Alom, J. 1988. Drug-Induced Dyskinesias (in) Jankovic, J., and Tolosa, E. (Ed.): *Parkinson's Disease and Movement Disorders.* Baltimore/Munich, Urban and Schwarzenberg pp.327-347.
- Victor, M., Adams, R. D., and Cole, M. 1965. The Acquired (Non-Wilsonian) type of Chronic Hepatocerebral Degeneration. *Medicine.* 44:345-396.
- Vonsattel, J. P., R. H. M, T. J. Stevens, et al. 1985. Neuropathological classification of Huntington's disease. *J. Neuropathol. Exp. Neurol.* 44:559-577.
- Walshe, J. M. 1999. Penicillamine: The treatment of first choice for patients with Wilson's disease. *Movement Disorders.* 14: 545-550. (See also G. J. Brewer, 14: 551-554 and P. A. LeWitt 14: 555-556.
- Weiner, W. J. 1999. The initial treatment of Parkinson's disease should begin with levodopa. *Movement Disorders.* 14: 716-724.
- Wenning, G. K., C. Scherfler, N. Stefanova and Z. Puschban. 2001. Multiple system atrophy. *Seminars in Neurology.* 21 :33- 40.
- Wenning, G.K., Y. Ben Shlomo, M. Magalhaes, et al. 1994. Clinical features and natural history of multiple system atrophy. An analysis of 100 cases. *Brain.* 117: 835-845.
- Wenning, G. K., I. Litwin, J. Jankovic, et al. 1998. Natural history and survival of 14 patients with corticobasal degeneration confirmed at postmortem examination. *J. Neurol. Neurosurg. Psychiatry.* 64: 184-189.
- Wexler, N. S., Rose, E. A. and Houseman, D. E. 1992. Molecular Approaches to Heredity Diseases of the Nervous System: Huntington's Disease as a Paradigm. *Ann. Rev. Neurosci.* 15:402-42.

Young, A. B., Grenamyre, T., Hollingsworth, Z., et al. 1988. NMDA Receptor Losses in Putamen from Patients with Huntington's Disease. *Science*.241: 1-983.

Young, A. B. and J. B., Penny Jr. 1988. Biochemical and functional organization of the basal ganglia (in) Jankovic, J., and Tolosa, E. (Ed): *Parkinson's Disease and Movement Disorders*. Baltimore/Munich. Urban & Schwarzenberg, pp.1-12.

Zesiewicz, T. A. and R. A. Hauser. 2001. Surgery for the treatment of Parkinson's disease. *Seminars in Neurology*. 21 : 91- 102.

Zoghbi, H. Y. and H. T. Orr. 2000. Glutamine repeats and neurodegeneration. *Annual Review of Neurosciences*. 23: 217-248.

BIBLIOGRAPHY:CHAPTER 20- MOTOR SYSTEM III: CEREBELLUM AND MOVEMENT

I. GENERAL, ANATOMY, PHYSIOLOGY AND FUNCTIONAL LOCALIZATION:

- Allin, M. H. Matsumoto, A. M. Santhouse, C. Nosarti, et al. 2001. Cognitive and motor function and the size of the cerebellum in adolescents born very preterm. *Brain*. 124:60-66.
- Amarenco, P., Chevrie-Muller, C., Roullet, E., and Bousser, M. G. 1991. Paraventricular Infarct and Isolated Cerebellar Dysarthria. *Ann. Neurol*. 30:211-13.
- Carrera, R. M. E., Mettler, F. A. 1947. Physiologic Consequences Following Extensive Removals of Cerebellar Cortex and Deep Cerebellar Nuclei and effect of Secondary Cerebral Ablations in the Primate. *J. Comp. Neurol.*, 87:167-288.
- Courchesne, E., J. Townsend and O. Saitoh. 1994. The brain in infantile autism: posterior fossa structures are abnormal. *Neurology*. 44: 214-223.
- Diener, H. C., and Dichgans, J.: 1992. Pathophysiology of Cerebellar Ataxias. *Movement Disorders*. 7:95-109.
- Dow, R. S., and Moruzzi, G. 1958. *The Physiology and Pathology of the Cerebellum*. Minneapolis, University of Minnesota Press.
- Drepper, J., D. Timmann, F. P. Kolb and H. C. Diener. 1999. Non –motor associative learning in patients with isolated degenerative cerebellar disease. *Brain*. 122:87-97.
- Fiez, J. A., S. E. Petersen, M. K. Cheney and M. E. Raichle. 1992. Impaired non motor learning and error detection associated with cerebellar damage. A single case study. *Brain*. 115: 155-178.
- Gilman, S. 1986. *Cerebellum and Motor Function* (in) Asbury, A.K., McKhann, G. M., and McDonald, W. I. (Ed.): *Diseases of the Nervous System Clinical Neurobiology*. Philadelphia, W.B. Saunders, Vol.1:401-422.
- Gilman, S., Bloedel, J. R., and Lechtenberg, R. 1981. *Disorders of the Cerebellum*. Philadelphia, F. A. Davis.
- Holmes, G. 1922. Clinical Symptoms of Cerebellar Disease and Their Interpretation. *The Croonian Lectures. Lancet*. 1:1177-1182, 1231-1237; 2:59-65, 111-115.
- Holmes, G. 1939. *The Cerebellum of Man*. *Brain*. 62:1-30.
- Ito, M. 1984. *The Cerebellum and Motor Control*. New York, Raven Press.
- Lechtenberg, R. 1988. Ataxia and Other Cerebellar Syndromes (in) Anokovic, J., and Tolosa, E. (Eds.) *Parkinson's Disease and Movement Disorders*. Baltimore/Munich, Urban & Schwarzenberg, pp.365-376.
- Lechtenberg, R., and Gilman, S. 1978. Speech Disorders in Cerebellar Disease. *Ann. Neurol*. 3:285-290.
- Levinsohn, L., A. Cronin –Golomb and J. D. Schmahmann. 2000. Neuropsychological consequences Of cerebellar tumor resection in children. *Brain*. 123: 1041-1050.
- Mettler, F. A., and Orioli, F. 1958. Studies on Abnormal Movement: Cerebellar Ataxia. *Neurology*. 8:953-961.
- Orioli, F. L., and Mettler, F. A. 1958. Consequences of Section of the Simian Restiform Body. *J. Comp. Neurol*. 109:195-204.
- Raymond, J. L. S. G. Lisberger and M. D. Mauk. 1996. The cerebellum : A neuronal learning machine? *Science*. 272:1126-1131.
- Riva, D. and C. Giogi. 2000. The cerebellum contributes to higher functions during development. *Brain*. 123: 1041-1061.

Sanes, J.N., B. Dimitrov and M. Hallett. 1990. Motor learning in patients with cerebellar dysfunction. *Brain*. 113:103- 120.

Schmahmann, J. D. and J. C. Sherman.1998. The cerebellar cognitive affective syndrome. *Brain*. 121:561-579.

Thach, W. T. 1987.Cerebellar Inputs to Motor Cortex (in) Ciba Foundation Symposium #132: Motor Areas of the Cerebral Cortex. Chichester. John Wiley. 201-220

Thach, W. T., M. Goodkin. And J. G. Keating. 1992.The Cerebellum: The Adaptive Coordination of Movement. *Ann .Rev. Neurosci*. 15:402-442.

Topka,H., J. Valls-Sole, S. G. Massaquoi and M. Hallett. 1993. Deficit in classical conditioning in patients with cerebellar degeneration. *Brain*. 116:961-969.

Wood, N. W. and A. E. Harding .2000 Ataxic disorders. . (In) Bradley, W. G. R. B. Daroff, G. M. Fenichel and C. D. Marsden. *Neurology in Clinical practice*.Boston. Butterworth Heinemann. Vol I.309-317.

Wood, N. W. and A. E. Harding. 2000.Cerebellar and spinocerebellar disorders. (In) Bradley, W. G. R. B. Daroff, G. M. Fenichel and C. D. Marsden. *Neurology in Clinical practice*.Boston. Butterworth Heinemann. Vol II:1931-1951.

II. MID LINE AND LATERAL HEMISPHERE TUMORS (see Brain Stem Chapter 13 & Neoplasms Chapter 27)

II. VASCULAR SYNDROMES OF THE CEREBELLUM (See also Chapters 13 and 26)

Amarenco, P. 1991.The Spectrum of Cerebellar Infarctions. *Neurology*. 41:973-979.

Amarenco, P. and Hauw, J. J. 1990(a).Cerebellar Infarction in the Territory of the Superior Cerebellar Artery: A Clinicopathologic Study of 33 Cases. *Neurology*. 40:1383-1390.

Amarenco, P. and Hauw, J. J. 1990(b). Cerebellar Infarction in the Territory of the Anterior and Inferior Cerebellar Artery. *Brain*. 113:139-155.

Amarenco, P., Hauw, J. J., Hinin, D., et al. 1989.Cerebellar Infarction in the Territory of the Posterior Inferior Cerebellar Arter: A Clinico-Pathological Study of 28 Cases. *Rev.Neurol.* (Paris),145:277-286.

Amarenco, P., C. S. Kase, A. Rosengart, et al. 1993. Very small (border zone) cerebellar infarcts .Distribution, causes, mechanisms and clinical features.*Brain*. 116:161-186.

Amarenco, P., Roulellet, E., Goujon, C., et al. 1991. Infarction in the Anterior Rostral Cerebellum (The Territory of the Lateral Branch of the Superior Cerebellar Artery). *Neurology*. 41:253-258.

Caplan, L. R. 1986.Vertebrobasilar Occlusive Disease (in) Barnett,H. J. M, et al. *Stroke; Pathophysiology. Diagnosis and Management*. 1:549-619.

Chaves, C. J., L. R. Caplan, C. S. Chung and P. Amarenco. 1994. Cerebellar infarcts. *Current Neurology*. 14: 143-177. Chaves, C., M. S. Pessin L. R. Caplan, et al 1996. Cerebellar hemorrhagic infarction. *Neurology* 46: 346-349

Greenberg, J., Skubick, D., and Shenkin, H. 1979.Acute Hydrocephalus in Cerebellar Infarct and Hemorrhage. *Neurology*.29: 409-13.

Heros, R. 1982.Cerebellar Infarction and Hemorrhage. *Stroke*, 13:106.

Kase, C. S., and Caplan, L. R. 1986. Hemorrhage Affecting the Brain Stem and Cerebellum (in) Barnett.H.J.M., et al: *Stroke: Pathophysiology. Diagnosis and Management*. 1:621-641.

Kase, C. S. B. O. Norrving, S. R. Levine, et al. 1993. Cerebellar infarction. Clinical and anatomical observations in 66 patients. *Stroke*. 24: 76-83.

Skenkin, H. A. and Zavala, M. 1982. Cerebellar Strokes: Mortality, Surgical Indications and Results of Ventricular Drainage. *Lancet*. 11:429-431.

St. Louis, E. K., E. F. Wijdicks and H. Li. 1998. Predicting neurologic deterioration in patients with cerebellar hematomas. *Neurology*. 51:1364-1369.

Sypert, G. W. and Alvord, E.C. 1975. Cerebellar Infarction. A Clinicopathological Study. *Arch.Neurol.* 32: 357-363.

III. DEGENERATIONS AND SYSTEMIC DISORDERS (See also Chapters 19 and 27)

Baloh, R. W., Yee, R. D. and Honrubia, V. 1986. Late Cortical Cerebellar Atrophy: Clinical and Oculographic Features. *Brain*. 109:159-180.

Berciano, J. 1988. Olivopontocerebellar Atrophy. (in) Jankovic, J. and Tolosa, E. (Eds). *Parkinson's Disease and Movement Disorders*. Baltimore/Munich, Urban and Schwarzenberg. pp.131-151.

Bhatia, K.P., Griggs, R. C. and L. J. Ptacek. 2000. Episodic movement disorders as channelopathies *Movement Disorders*. 15:429- 433.

Burk, K., M. Abele, M. Fetter, et al. 1996. Autosomal dominant cerebellar ataxia type I clinical features and MRI in families with SCA 1, SCA 2 and SCA 3. *Brain*. 119:1497-1505.

Carbonari, M., Cherchi, M., Pagnelli, R., et al. 1990. Relative Increase of T Cells Expressing the Gamma/Delta Rather than the Alpha/Beta Receptor in Ataxia Telangiectasis. *N. Engl. J. Med.* 322: 73-6.

Fujigasaki, H., I. C. Verma A. Camuzat, et al. 2001. SCA 12 is a rare locus for autosomal dominant cerebellar ataxia: A study of an Indian family. *Ann. Neurology*. 49: 117-121.

Giunti, P., G. Sabbadini, G., M. G. Sweeney, et al. 1998. The role of the SCA 2 trinucleotide repeat expansion in 89 autosomal dominant cerebellar ataxia. Frequency, clinical and genetic correlates. *Brain* 121: 459-467

Giunti, P., M. G. Sweeney and A. E. Harding. 1995. Detection of the Machado-Joseph disease/ spinocerebellar ataxia three trinucleotide repeat expansion in families with autosomal dominant motor disorders including the Drew family of Walworth. *Brain*. 118: 1077-1085.

Greenfield, J. G. 1954. *The Spinocerebellar Degenerations*. Springfield, 111., Charles C. Thomas. Harding, A. E. 1981. Friedreich's Ataxia: A Clinical and Genetic Study of 90 families with an Analysis of Early Diagnostic Criteria and Intra-Familial Clustering of Clinical Features. *Brain*. 104:589-620.

Harding, A. E. 1982. The clinical features and classification of the late onset autosomal dominant cerebellar ataxias. A study of 11 families including descendants of "the Drew family of Walworth". *Brain*. 105: 1-28.

Klockgether, T., R. Ludtke, B. Kramer, et al 1998. the natural history of degenerative ataxia: a retrospective study in 466 patients. *Brain*. 121:589-600.

Klockgether, T., Petersen, D., Gruddy, W. and Dighans, J. 1991. Early Onset Cerebellar Ataxia with Retained Tendon Reflexes: Clinical, Electrophysiological and MRI Observations in Comparison to Friedreich's Ataxia. *Brain*. 114:1559-1573.

Klockgether, T. U. Wullner, A. Spauschus and B. Evert. 2000. The molecular biology of the autosomal- dominant cerebellar ataxias. *Movement Disorders*. 15:604-612.

- Mason, W. P., F. Graus, B. Lang, et al. 1997. Small cell lung cancer, paraneoplastic cerebellar degeneration and the Lambert –Eaton myasthenic syndrome. *Brain*. 120: 1279-1300.
- Rosen, F. S., and Harris, N. L. 1987. A 30-year-old Man with Ataxia Telangiectasia and Dysarthria. *Case Records of the Massachusetts General Hospital: Case #2-1987*. *N. Engl.J.Med.* 316:91-100.
- Rosenberg, R. N. 1992. Machado-Joseph Disease: An autosomal dominant motor system degeneration. *Movement Disorders*. 7:193-203.
- Rosenberg, R. N. 1996. DNA- Triplet repeats and neurologic disease. *N. Engl. J. Med.* 335:1222-1224.
- Smitt, P. S., A. Kinoshita, B. De Leeuw., et al. 2000. Paraneoplastic cerebellar ataxia due to autoantibodies Against a glutamate receptor. *N. Engl. J. Med.* 342:21-27.
- Sudarsky, L., Corwin, L., and Dawson, D. M. 1992. Machado-Joseph Disease in New England: Clinical description and distinction from olivopontocerebellar atrophy. *Movement Disorders*. 7:204-208.
- Swift, M., Morrell, D., Massey, R. B. and Chase, C. L. 1991. Incidence of Cancer in 161 Families Affected by Ataxia-Telangiectasia. *N. Engl. J. Med.* 325:1831-6.
- Swift, M., Reitnauer, P. J., Morrell, D. and Chase, C. L. 1987. Breast and Other Cancers in Families with Ataxia and Telangiectasia. *N. Engl. J. Med.* 316:1289-94.
- Tolosa, E. and J. Berciano. 1993. Chorea, hereditary and other ataxias and other movement disorders. *Current Opinion in neurology and Neurosurgery*. 6: 358-368.
- Truman, J. T., Richardson, E. P., Jr. and Dvorak, H. F. 1975. Case Records of The Massachusetts General Hospital, Case 22-1975 (Ataxia - Telangiectasia). *N.Engl.J.Med.* 292:1231-1237.
- Victor, M., Adams, R. D., and Collins, G. H. 1989. The Wernicke Korsakoff Syndrome and Related Neurological Disorders due to Alcoholism and Malnutrition - 2nd Ed. Philadelphia. F. A. Davis.
- Victor, M., Adams, R. D. and Mancall, E. L. 1959. A Restricted Form of Cerebellar Cortical Degeneration Occurring in Alcoholic Patients. *Arch.Neurol.* 1:579-688.
- Yount, W. J. 1981. IgG2 Deficiency and Ataxia Telangiectasia (Editorial), *N.Engl.J.Med.* 306:541-43. 2.
- V.TREMOR (See also Chapter 19):**
- Colebatch, J. G., Britton, T., Findley, L. J., et al. 1990. The Cerebellum is Activated in Essential Tremor. *Lancet*. 2: 1028-30.
- Deuschl, G. 1998. Tremor: Basic Mechanisms and Clinical Aspects. *Movement Disorders*. 13: Supplement 3: 1-149.
- Deuschl, G., R. Wenzelburger, K. Loffler, et al. 2000. Essential tremor and cerebellar dysfunction. Clinical and kinematic analysis of intention tremor. *Brain*. 123: 1568-1580.
- Dupuis, M.J.M., Delwaide, P.J., Boucquoy, D., Gonette, R.E. 1989. Homolateral Disappearance of Essential Tremor After Cerebellar Stroke. *Movement Disorders*. 4:183-187.
- Elble, R. J. 1998. Animal models of action tremor. *Movement Disorders*. 13: S3: 35-39.
- Findley, L. J. 1988. Tremors: Differential Diagnosis and Pharmacology (in) Jankovic, J., and Tolosa, E.: *Parkinson's Disease and Movement Disorders*. Baltimore/Munich, Urban & Schwarzenberg, pp.243-261.
- Hallett, M. 1991. Classification and Treatment of Tremor. *JAMA*, 266:1115-1117.
- Hallett, M. 1998. Overview of human tremor physiology. *Movement Disorders*. 13: S3:43-48.

Hua, S., S. G. Reich, A.T. Zirh, et al. 1998. The role of the thalamus and basal ganglia in Parkinsonian tremor. *Movement disorders*. 13: S3: 40-42.

Mc Auley, J. H. and C. D. Marsden. 2000. Physiological and pathological tremors and rhythmic central motor control. *Brain*. 123: 1545-1567.

**CHAPTER 21: PARIETAL LOBE : REFER TO MASTER CORTICAL LOCALIZATION
BIBLIOGRAPHY**

BIBLIOGRAPHY CHAPTER 22 LIMBIC SYSTEM:OLFACTION AND TEMPORAL LOBE

General:

Gloor P. 1997. The Temporal Lobe and Limbic System. New York: Oxford University Press. 865pp.

Specific

Adolphs, R., D. Tranel, H. Damasio, and A. R. Damasio. 1995. Fear and the human amygdala. *J. Neurosci.* 15:5879-91.

Albert, D. J., M.L. Walsh and R. H. Jonik. 1993 : Aggression in humans: what is its biological foundation? *Neurosci Biobehav Rev.* 17:405-425.

Adrian, E. D. 1950. Sensory discrimination with some recent evidence from the olfactory organ. *Brit. Med. Bull.* 6:330.

Blaettner, V., Scherg, M., and VonCramon, D. 1989. Diagnosis of Unilateral Telencephalic Hearing Disorders: Evaluation of a Simple Psychoacoustic Pattern Discrimination Test. *Brain*, 112:177-196.

Altman, J. 1962. Are neurons formed in the brains of adult mammals? *Science.* 135: 1127-1128.

Anderson, P. 1975. Organization of hippocampal neurons and their interconnections. (In) *The Hippocampus, Vol I Structure and Development.* (Eds) R.L. Isaacson and K.H. Pribram. New York, Plenum. Bancaud J. *Sémiologie clinique des crises épileptiques d'origine temporelle*, *Rev neurol(Paris)* 1987;143:392-400.

Bancaud, J. F. and Brunet- Bourgin, P. Chauvel et al. 1994. Anatomical origin of déjà vu and vivid memories in human temporal lobe epilepsy. *Brain.* 117:71-90.

Blume, W. T., J. P. Girvin, and P. Stenerson. 1993. Temporal neocortical role in ictal experiential phenomena. *Ann. Neurol.* 33:105-107.

Breuer, J. and S. Freud. (Translated and edited by J. Stachey). 1957 New York. Basic Books. Burchell, B. 1991. Turning on and turning off the sense of smell. *Nature* 350: 16-18.

Burgerman, R.S., M.S. Sperling, J.A. French, et al. 1995. Comparison of mesial versus neocortical Onset of temporal lobe seizures. *Epilepsia.* 36: 662-672.

Cendes, F., F. Andermann, P. Gloor, et al. 1994. Relationship between atrophy of the amygdala and ictal fear in temporal lobe epilepsy. *Brain.* 117: 739-746.

Crichton, M. 1982. *The Terminal Man.* New York, Avon Press. Davidson, R.J, K.M. Putnam and CL Larson. Dysfunction in the neural circuitry of emotion regulation.- a possible prelude to violence. *Science* 289: 591-4.

Devinsky, O. M. J. Morrell and B.A. Vogt 1995. Contribution of anterior cingulate cortex to behavior. *Brain.* 118:279-306.

Delgado-Escueta, A.V., Bascali, F.E. and Treiman, D.M. 1982. Complex Partial Seizures on Closed Circuit Television and EEG: A Study of 691 Attacks in 79 Patients. *Ann. Neurol.* 11:292-300.

Diering, S. L. and W. O. Bell. 1991. Functional neurosurgery for psychiatric patients: A historical perspective. *Stereotact. Funct. Neurosurg.* 57:175-194.

Engel, J., Jr. 1989. *Seizures and Epilepsy.* Philadelphia: F. A. Davis, p 536.

Dionne, V. E. How do you smell? The principle in question. *Trends In Neurosciences* 11:188-189, 1988.

- Ferguson, S.M., Rayport, M., Carrie, W.S. 1986 Brain Correlates of Aggressive Behavior in Temporal Epilepsy. In, Doane, B.K., and Livingstone, K.E.: The Limbic System. New York, Raven Press, , pp.183-193.
- Fish, D.R., Gloor, P., Quesney, F.L., and Olivier, 1993.A.:Clinical Responses to Electrical Brain Stimulation of the Temporal and Frontal Lobes in Patients with Epilepsy. Pathophysiological Implications. Brain 116:397-414.
- Fletcher,P.C. and RNA Henson.2001.Frontal lobes and human memory insight from functional neuroimaging. Brain 124:849-881.
- Foong, J.MR Symms, GJ Barker, et al. 2001. Neuropathological abnormalities in schizophrenia. Brain. 124:882-892.
- Franceschi, M., Triuizi, F., Ferini-Strombi, L., et al.1989.
- Focal Cerebral Lesions Found by MRI in Cryptogenic Nonrefractory Temporal Lobe Epilepsy Patients. Epilepsia 30:540-546.
- Freund F,Buzsaki G . 1996. Interneurons of the hippocampus. Hippocampus. 6:345-470.
- Friberg, L., Olsen, T.S., Roland, P.E., et al. 1985.Focal Increase of Blood Flow in the cerebral Cortex of Man During Vestibular Stimulation. Brain 108:609-623.
- Fulton, J. F.1953. The limbic system: A study of the visceral brain. In primates and man. Yale J. Biol. 26:107, 1953. Yale J. Biol. Med. 26:107.
- Gage, F.H. 1994.Challenging an old dogma; neuronogenesis in the adult hippocampus. J. NIH Res. 6: 53-56.
- Geschwind, N. 1965. Disconnection syndromes in animals and man. Brain 88:237-294, 585-644.
- Geschwind, N. 1983. Interictal Behavior Changes in Epilepsy.Epilepsia 24 (suppl.1):523-530.
- Gloor, P. 1990.Experimental Phenomena of Temporal Lobe Epilepsy. Facts and Hypotheses. Brain 113:1673-1694.
- Gloor, P., A. Olivier, L. F. Quesney, F. Andermann, and S. Horowitz. 1982. The role of the limbic system in experiential phenomena of temporal lobe epilepsy. Ann. Neurol. 12:129-144.
- Green, J. D.: The rhinencephalon.1958. Aspects of its relation to behavior and the reticular activating system. In Jasper, H.H. (ed.): Reticular Formation of the Brain. Boston, Little, Brown and Company, p. 607.
- Halgren, E., Walter, R.D., Cherlow, D.G., and Crandall, P.H. 1978 Mental Phenomena Evoked by Electrical Stimulation of the Human Hippocampal Formation and Amygdala. Brain 101:83-117.
- Honavar M and Meldrum BS .1997.Epilepsy.In:Graham DI and Lantos PL.(Eds) Greenfield's Neuropathology 6th Ed..New York.Oxford University Press. pp 931-971.
- Horel, J.A., and Misantone, L.G. 1975. Partial Kluver Bucy Syndrome Produced by Destroying Temporal Neocortex or Amygdala. Brain Research (Amsterdam) 94:347-359.
- Isaacson, R. The Limbic System. 2nd Ed.. Plenum, New York,1982.
- Ishibashi, T., H. Hori, K. Endo, T. Sato. 1964.Hallucinations produced by electrical stimulation of temporal lobe seizures in schizophrenic patients. Tohoku Journal of Medicine 82:124-139.
- Jackson JH and Beever CE. 1889. Case of tumor of the right temporo-sphenoidal lobe, bearing on the localization of the sense of smell and on the interpretation of a particular variety of epilepsy. Brain. 12:346-357.[Reprinted in Taylor J.(Ed)406-411.]

Jackson JH, and Colman WS. 1898. Case of epilepsy with tasting movements and "dreamy state"-very small patch of softening in the left uncinate gyrus. *Brain*;21:580-590. [Reprinted In: Taylor J(Ed) Selected Writings of John Hughlings Jackson: voll On Epilepsy and Epileptiform Convulsions. New York: Basic Books, 1958 ;458-463.]

Jackson, J.H. and Stewart, P. 1899. Epileptic Attacks with a Warning of Crude Sensation of Smell and With the Intellectual Aura (Dreamy State) in a Patient who had Symptoms Pointing to Gross Organic Disease of the Right Temporo-sphenoidal Lobe. *Brain* 22:534-549.

Jasper, H. H., and Proctor, L. O. (eds.) 1958. Reticular Formation of the Brain. Henry Ford Hospital Symposium, Boston. Little, Brown and Company.

Johnston D, Amaral DG. 1998; Hippocampus. In: Shepherd GM (Ed). The Synaptic Organization of the Brain-4th Edition. New York: Oxford University Press, 417-458.

Kauer, J. 1988. Real-time imaging of evoked activity in local circuits of the salamander olfactory bulb. *Nature* 331: 166-168.

Kauer, J. 1991. Contributions of topography and parallel processing to odor coding in the vertebrates olfactory pathway. *Trends in Neurosci.* 14: 79-85.

Kluver, H. 1952. Brain mechanisms and behavior with special reference to the rhinencephalon. *J. Lancet* (Minneapolis), 72:567.

Kluver, H.: The "temporal lobe syndrome" produced by bilateral ablations. (In) Wolstenholme, E. E., and O'Connor, C.M.(eds.): Neurological Bases of Behavior. Ciba Foundation Symposium. London, J. A. Churchill, 1958, p. 175

Kluver, H., and Bucy, P.C. 1937. Psychic blindness and other symptoms following bilateral temporal lobectomy in Rhesus monkeys. *Am. J. Physiol.* 119:352.

Kluver, H., and Bucy, P.C. 1939. Preliminary analysis of functions of the temporal lobes of monkeys. *Arch. Neurol. Psychiatr.* 42:979-1000.

Lazard, D., Y. Barak, and D. Lancet 1989. Bovine olfactory cilia preparation: thiol-modulated odorant-sensitive adenylylcyclase. *Biochem. Biophys. Acta* 1013: 68-72.

Liegeois-Chauvel, C., Musolino, A. and Chauvel, P. 1991. Localization of Primary Auditory Area in Man. *Brain* 114:139-153.

MacLean, P.D. 1955. The limbic system (visceral brain) and emotional behavior. *Arch. Neurol. Psychiatr.* (Chicago), 73:130.

Margerison JH, Corsellis JAN. 1966. Epilepsy and the temporal lobes. *Brain*;89:499-530.

Mark, V.P., and Ervin, F.R. 1970. Violence and the Brain. New York, Harper and Row, pp.170.

Meyer, A. 1963; A. Intoxications. In: Greenfield J, Blackwood W, McMenemy WH, Meyer A and Norman RM (Eds) Neuropathology. Baltimore: Williams and Wilkins. pp235-287.

Milner, B. 1972. Disorders of learning and memory after temporal lobe lesions in man. *Clinical Neurosurgery* 19:421-446.

Mishkin, M. 1972. Cortical visual areas and their interactions. In A. G. Karzmar and J. C. Eccles (eds.): Brain and Human Behavior, pp 187-208. Berlin: Springer Verlag.

Moniz, E. 1936. Tentatives opératoires dans le traitement de certaines psychoses. Paris, Masson et Cie.

- Mullan S and Penfield W. 1959. Illusions of comparative interpretation and emotion, *Arch Neurol Psychiatry* 81:269-284.
- Nauta, W.J.H. Central nervous organization and the endocrine motor system. In Nalbandov, A. V. (ed.): *Advances in Neuroendocrinology*. Urbana, Ill. University of Illinois Press, 1963, p. 5.
- Nauta, W.J.H. and V.B. Domesick. 1981. Ramifications of the limbic system. In *Psychiatry and the Biology of the Human Brain*, S. Matthysse Ed. Amsterdam, Elsevier North Holland Biomedical Press.
- Nauta, W.J. H, and H.G.J. M. Kuypers. 1958. Some ascending pathways in brainstem reticular formation. In *Reticular Formation of the Brain*. Jasper, H.H. and L. O. Proctor (eds) Henry Ford Hospital Symposium, Boston, Little, Brown and Company. Olds, J. 1958. Self-stimulation experiments and differentiated reward systems. In H. H. Jasper and L. O. Proctor (eds.): *Reticular Formation of the Brain*. Boston, Little, Brown and Company, p 671.
- Papez, J.W. 1958. The visceral brain, its components and connections. In Jasper, H.H. (ed.): *Reticular Formation of the Brain*. Boston, Little Brown and Company, p. 591.
- Papez, J.W. 1937. A proposed mechanism of emotion. *Arch. Neurol. Psychiat.* (Chicago). 38: 725-743.
- Penfield, W., and H. Jasper. 1954. *Epilepsy and the Functional Anatomy of the Human Brain*. Boston: Little Brown.
- Penfield, W., and Evans, J.P. 1934. Functional Defects Produced by Cerebral Lobotomies. *Res. Publ. Assoc. Nerv. Ment. Dis.* 13:352-377.
- Penfield, W., and Perot, P. 1963. The Brain's Record of Auditory and Visual Experience. *Brain* 86:595-696.
- Penfield, W. and T. Rasmussen. 1950. *The Cerebral Cortex of Man: A Clinical Study of Localization of Function*. New York. MacMillan Company.
- Reese, T.S. and G. M. Shepherd. 1972. Dendrodenritic synapses in the central nervous system. In G. D. Papas and D.P. Purpura (Eds) *Structure and Function of Synapses*. Raven Press, New York, pp 121-136.
- Sachdev, P, J. S. Smith, J Matheson, et al. 1992. Amygdalo-hippocampectomy for pathological aggression. *Aust N. Z. J Psychiatry* 26: 671-4
- Seifert, W. (Ed). 1983. *Neurobiology of the Hippocampus*. Academic Press, New York. Sem-Jacobsen, C.W., and Torkildsen, A. 1960. Depth Stimulation and Electrical Stimulation in the Human Brain. In Ramey, E.R. and O'Doherty, D.S. (Eds.) *Electrical Studies of the Unanesthetized Brain*. New York, Hoeber, pp.275-290.
- Sheer, D.E. (ed.) 1961. *Electrical Stimulation of the Brain*. Austin, University of Texas Press. So, N.K., Savard, G., Andermann, F, et al. 1990. Acute Postictal Psychosis: A Stereo EEG Study. *Epilepsia*. 31: 188-193.
- Steinberg, J., R. Taylor, and K Haglund. 1994. Pheromones/: A new term for a class of biologically active substances. *J. NIH Res.* 6: 63-66.
- Stevens, J.R..1975. Interictal Clinical Manifestations of Complex Partial Seizures. *Advances in Neurology*, 11:85-112.
- Swanson, SJ, S. M. Rao, J. Grafman, et al . 1995. The relationship between seizure subtypes and interictal personality . Results from the Vietnam head injury study *Brain*. 118: 91-103.
- Tatnaka, Y., T. Kamo, M. Yoshida, et al. 1991. So-called cortical deafness: Clinical, neuropsychological and radiologic observations. *Brain* 114:238-240.

Taylor, J. (ed). 1931. Selected Writing of John Hughlings Jackson. vol. 1. On Epilepsy and Epileptiform Convulsions. Reprinted, New York: Basic Books, 1958. pp 385-405, 406-411, 458-463.

Valenstein, E. S. 1986. Great and Desperate Cures: The Rise and Decline of Psychosurgery and Other Radical Treatments for Mental Illness. New York: Basic Books.

Vassar, R., S.K. Chao, R. Sitcheran, et al. 1994. Topographic organization of sensory projections to the olfactory bulb. *Cell*, 79: 981-991.

Walczak, T. S. 1995. Neocortical temporal lobe epilepsy. *Epilepsia*. 36: 623-635.

Waxman, S.G., Geschwind, N. 1975. The Interictal Behavior Syndrome of Temporal Lobe Epilepsy. *Arch. Gen. Psychiatry*, 32:1580-1586.

Wieser, H. G. 1988. Selective amygdalo-hippocampectomy for temporal lobe epilepsy. *Epilepsia* 29 (Suppl. 2):100-113.

AMYGDALA, EMOTION , AUTISM AND PSYCHIATRIC DISORDERS

Adams, RD., M. Victor and AH Ropper. 1997. Psychiatric Disorders (In) Principles of Neurology. New York McGraw Hill. Pp.1501-1562.

Adolph, R., L. Sears, L. and J. Piven. 2001. Abnormal processing of social information from faces in autism. *J Cogn Neurosci*. 13: 232-40.

Adolph, R., D. Tranel and AR Damasio. 1998. The human amygdala in social judgment. *Nature* 393: 417-8.

Amaral, D. and J. LeDoux. 2001. Fear and social conditioning in the amygdala. Lectures at the Boston Society of Neurology and Psychiatry. 924th meeting June 14th 2001. Boston Ma.

Anderson, A.K. and Phelps. 2000. Expression without recognition: contributions of the human amygdala to motional communication. *Psychol Sci*. 11:106-11

Baron-Cohen, S., HA Ring, ET Bullmore, et al .2000. The amygdala theory of autism. *Neurosci Biobehav Rev*. 24: 355-64.

Critchley, HD, E M Daly, E T Bullmore 2000. The functional neuroanatomy of social behaviour. *Brain*. 123:2203-2212.

Foong, J., MR Symms, G J Barker, et al. 2001. Neuropathological abnormalities in schizophrenia. *Brain* 124: 882-892.

Friston KJ, PF Liddle, CD Firth, et al. 1992 The left medial temporal region and schizophrenia. A PET study. *Brain* 115:367.

Howard MA, PE Cowell, J. Boucher, et al . Convergent neuroanatomical and behavioural evidence of an amygdala hypothesis of autism. *Neuroreport*. 11: 2931-5.

Kallmann, FJ. 1946. The genetic theory of schizophrenia. An analysis of 691 twin index families. *Am. J . Psychiatry*. 103: 309.

Ledoux, J. 2000. Emotion circuits in the brain. *Ann Review of Neuroscience*. 23: 155-184.

Levine, DN and A. Grek. 1984. The anatomic basis of delusions after right cerebral infarction. *Neurology*. 34:577-1984.

Robinson, RG and S. Paradiso. 1998. Dementia associated with post stroke major depression. *ARNMD*. 74:141-166.

Schlaepfer, TE, Gj Harris, AY Tien, et al. 1994 Decreased regional cortical gray matter volume in schizophrenia. *Am. J Psychiatry*. 151:843-8.

Selemon, LD and PS Goldman-Rakic. 1999. The reduced neuropil hypothesis : a circuit based model of schizophrenia. (Review). *Biol Psychiatry*. 45: 17-25.

Shenton, ME, R Kikinis, FA Jolesz, et al. 1992. Abnormalities of the left temporal lobe and thought disorder in schizophrenia. A quantitative magnetic resonance imaging study, *N Engl J Med*. 327: 604-12.

Starkstein, SE, RG Robinson, and TR Price. 1987. Comparison of cortical and subcortical lesions in the production of post stroke mood disorders. *Brain*. 110: 1045-1059.

NOTE: ADDITIONAL REFERENCES FOR THE PREFRONTAL SECTION WILL BE FOUND IN THE MASTER CORTICAL LOCALIZATION BIBLIOGRAPHY

CHAPTER 23: VISUAL SYSTEM BIBLIOGRAPHY

Aldrich, M.S., Vanderzant, C.W., Alessi, A.C., et al. 1989. Ictal Cortical Blindness with Permanent Visual Loss. *Epilepsia*. 30:116-120.

Anand, I. And E. B. Geller. 2000. Visual auras.. (In) Luders, H. O. and S. Noachtar(Eds.) *Epileptic seizures: Pathophysiology and Clinical Semiology*. New York. Churchill Livingstone. Pp 298-303.

Barbur, J. L., J. D. G. Watson, R.S. J. Frackowiak and S.Zeki. 1993. Conscious visual perception without V 1. *Brain*. 116:1293-1302.

Benton, S., Levy, I., and Swash, M. 1980. Vision in the Temporal Crescent in Occipital Lobe Infarction. *Brain*. 103:83-97.

Brindley, G.S., Donaldson, P.E.K., Falconer, M.A. and Rushton, D.N.: 1972. The Extent of the Occipital Cortex That When Stimulated gives Phosphenes Fixed in the Visual Field. *J. Physiol. (London)* 225:p.57-58.

Brindley, G.S. and Lewin, W.S. 1968. The Sensations Produced by Electrical Stimulation of the Visual Cortex. *J. Physiol. (London)* 196:474-493.

Brookhart, J.M., Ed. 1984 *The Nervous system (Handbook of Physiology, Section 1, Vol III, Part I, Vision)*, Bethesda. MD Amer. Physiologic Soc. Geller, E. B., H. O. Luders, J. C. Cheek and Y. G. Comair. 2000. Electrical stimulation of the visual cortex. (In) Luders, H. O. and S. Noachtar. (Eds.) *Epileptic seizures: Pathophysiology and Clinical Semiology*. New York. Churchill Livingstone. 219-227.

Horton, J.C., and Hoyt, W.F. 1991. Quadrantic Visual Field Defects: A Hallmark of Lesions in Extrastriate V2/V3 Cortex. *Brain*. 114:1703-1718.

Hubel, D.H., and Wiesel, T.N. 1977. Ferrier Lecture: Functional Architecture of Macaque Monkey Visual Cortex. *Proc. R. Soc. London Biol.* 198:1-59.

Humphrey, N.K., Weiskrantz, L. 1967. Vision in Monkeys After Removal of the Striate Cortex. *Nature*. 215:595-97.

Kennard, C. and F.C. Rose. 1988. *Physiological Aspects of Clinical Neuro-ophthalmology*. Chicago, Year Book Medical Publishers Livingstone, M. and D. Hubel. 1988. Segregation of form, color, movement and depth: Anatomy, Physiology and Perception, *Science* 240:740-749.

Lolley, R.N. and R.H. Lee. 1990. Cyclic GMP and photoreceptor function. *FASEB J.* 4:3001-3008.

Mishkin, M. 1972. Cortical Visual Areas and Their Interactions. (in) *Brain and Human Behavior*, (Ed.) Karczmar, A.G., and Eccles, J.C. Berlin Springer, pp.187-208.

Moses. W.M. 1987. *Adler's Physiology of the Eye: clinical application*. St. Louis, Mosby.

Pandya, D. N. and H. Kuypers. 1969. Cortico-cortical connections in the rhesus monkey brain. *Brain research*. 13:13-16.

Penfield, W. and H. Jasper. 1954. *Epilepsy and the Functional Anatomy of the Human Brain*. Boston. Little Brown. Pp 116-126, 168-173, 401-408.

Plant, G. T., K. D. Laxer and N. M. Barbaro. 1993. Impaired visual motion perception in the contralateral hemifield following unilateral posterior cerebral lesions in humans. *Brain*. 116:1303-1335.

Pollen, D.A. 1975. Some Perceptual Effects of Electrical Stimulation of the Visual Cortex in Man (in) Chase, T.N. (Ed.), *The Nervous System, Volume 2: The Clinical Neurosciences*. New York, Raven Press, pp.519-528.

Poppel, E., Held, R. and Frost, D. 1973. Residual Visual Function After Brain Wounds Involving the Central Visual Pathways in Man. *Nature*. 243:295-96.

Salanova, V., Andermann, F., and Rasmussen, F.B. 1993. Occipital Lobe Epilepsy (in) Wyllie, E.: *The Treatment of Epilepsy: Principles and Practices*, Philadelphia, Lea & Febiger, pp. 533-540.

Stryer, L. 1986. Cyclic GMP cascade in Vision, *Ann Rev of Neuroscience* 9: 87-119.

VanEssen, D.C.: 1979. Visual Areas of the Mammalian Cerebral Cortex. *Ann.Rev.Neuro.Sci.*,2:227-63.

Weiskrantz, L., Warrington, E.K., Sanders, M.D., Marshall, J. 1974. Visual Capacity in the Hemianopic Field Following a Restricted Occipital Ablation. *Brain*. 97:709-28.

Williamson, P.D., Boon, P.A., Thadani, V.M., Darcey, R.M., Spencer, D.D., Spencer, S.S., Novelly, R.A., and Mattson, R.H.: Occipital Lobe Epilepsy. 1992. Clinical characteristics, seizure spread patterns and results of surgery. *Ann.Neurol.*, 31:3-13.

Zeki, S. 1992. The Visual Image in Mind and Brain. *Scientific American*, 267:69-76.

CHAPTER 24 SPEECH, LANGUAGE AND APHASIA BIBLIOGRAPHY WILL BE FOUND ON THE CORTICAL LOCALIZATION BIBLIOGRAPHY BELOW.

CORTICAL LOCALIZATION : MASTER BIBLIOGRAPHY CHAPTERS 17, (PART II OF CEREBRAL CORTEX: INTRODUCTION TO FUNCTIONAL LOCALIZATION), CHAPTER 18 (PART II MOTOR AREAS OF CEREBRAL CORTEX), CHAPTER 21(PARIETAL AREAS) CHAPTER 22 (PREFRONTAL ASPECTS OF LIMBIC SYSTEM) CHAPTER 24 (APHASIA AND RELATED HIGHER CORTICAL DISORDERS)

GENERAL OR HISTORICAL REFERENCES

Ajamone-Marsan, C., and B.L. Ralston. 1957. The epileptic seizure: its functional morphology and diagnostic significance. Springfield, Ill: Charles C. Thomas.

Alexander, G.E., and M.R. DeLong. 1992. Central mechanisms of initiation and control of movement (In) *Diseases of the nervous system: Clinical Neurobiology* - 2nd ed., eds. A.K. Asbury, G.M. McKhann and W.I. McDonald. Philadelphia: W.B.Saunders, pp. 285-308.

Brumback, R.A.(Ed). 1993. Behavioral Neurology. *Neurologic Clinics*.11;1-237.

Coslett, H. B. (Ed.). 2000. Behavioral Neurology/higher cortical Function. *Seminars in neurology* 20: 405-515.

Commission on Classification and Terminology of the International League against Epilepsy. 1981. Proposal for revised clinical and electroencephalographic classification of epileptic seizures. *Epilepsia*. 22:489-501.

Commission on Classification and Terminology of the International League Against Epilepsy. 1989. Proposal for a revised classification of epilepsies and epileptic syndromes. *Epilepsia*. 30:389-399.

Damasio, H., A.R. Damasio. 1989. *Lesion Analysis in Neuropsychology*. New York: Oxford University Press.

Engel, J., Jr., 1989. *Seizures and Epilepsy*. Philadelphia: F.A. Davis. Ferrier, D. 1873. Experimental researches in cerebral physiology and pathology. *Rep.West Riding Lunatic Asylum*. 3:30-96.

Foerster, O. 1936. The motor cortex in the light of Hughlings Jackson's doctrines. *Brain*. 59:135-159.

- Fulton, J.F. 1949. *Physiology of the Nervous System* - 3rd ed. New York: Oxford University Press.
- Green, J.R. 1987. Sir Victor Horsley: A centennial recognition of his impact on neuroscience and neurological surgery. *BarrowNeurological Institute Quarterly*. 3:2-16.
- Heilman, K.M., and E.D. Valenstein. (eds.) 1985. *Clinical Neuropsychology* - 2nd ed. New York: Oxford University Press.
- Hitzig, E. 1900. Hughlings Jackson and the cortical motor centres in light of physiological research. *Brain*. 23:545-581.
- Kertesz, A. (ed.) 1983. *Localization in Neuropsychology*. New York:Academic Press. Luders, H O and S. Noachtar. (Eds.).2000. *Epileptic Seizures: Pathophysiology and Clinical Semiology*. New York. Churchill Livingstone.
- Martin, J.H., J.C.M. Brust and S. Hilal. 1991. Imaging the living brain (In) *Principles of Neural Science*. eds. E.R. Kandel, J.H. Schwartz and M. Jessell. New York: Elsevier. pp.309-324.
- Meyer, A. 1978. The concept of a sensory motor cortex: Its early history with special emphasis on two early experimental contributions by W. Bechterew. *Brain*. 101:673-685.
- Palmini, A. and P. Glood. 1992. The localizing value of auras in partial seizures: A prospective and retrospective analysis. *Neurology*. 42:801-808. [In particular: Kertesz, A. Issues in localization. pp.1-20; Galaburda, A. and M.M. Mesulam. Neuroanatomical aspects of cerebral localization. pp. 21-61.]
- Penfield, W., and H. Jasper. 1954. *Epilepsy and the Functional Anatomy of the Human Brain*. Boston: Little & Brown, pp.41-154, 350-539.
- Penfield, W. and T. Rasmussen. (eds.) 1957. *The Cerebral Cortex of Man: A Clinical Study of Localization*. New York: MacMillan.
- Reynolds, E.H. 1988. Hughlings Jackson: A Yorkshireman's contributions to epilepsy. *Arch.Neurol*. 45:675-678.
- Schomer, D.L. 1983. Partial Epilepsy. *N.Engl.J.Med*. 309:536-559.
- Taylor, J. (ed.) 1931. *Selected Writings of John Hughlings Jackson*. Reprint New York: Basic Books, Inc. 1959, pp.1-36, 385-405, 406-411, 458-463.
- Wilkins, R.H. and I.A. Brody. 1970. Jacksonian epilepsy. *Arch. Neurol*. 22:183-188. (see also Taylor above)

SPECIFIC REFERENCES

- Amassian, V.E., R.Q. Cracco and P.J. Maccabee. 1989. Focal stimulation of human cerebral cortex with the magnetic coil: A comparison with electrical stimulation. *Electroencephalography and Clin. Neurophysiology*. 74:401-416.
- Andrews. 1991. Transhemispheric Diaschisis: Review and comment. *Stroke*. 22:943-949.
- Ardila, A., and M.V. Lopez. 1988. Paroxysmal aphasia. *Epilepsia*. 29:630-634.
- Auerbach, S.H., T. Allard, M. Naesar et al. 1982. Pure word deafness: Analysis of a case with bilateral lesions and a defect at the prephonemic level. *Brain*. 105:271-300.
- Ballantine, H.T., W.L. Cassidy, N.B. Flanagan et al. 1967. Stereotaxic anterior cingulotomy for neuropsychiatric illness and intractable pain. *J. Neurosurg*. 26:499-495.

- Barker, A.T., R. Jalinous, I.L. Freiston. 1985. Non-invasive magnetic stimulation of human motor cortex. *Lancet*. 1:1106-1107. (See also Amassian, V.E., et al, above.)
- Baynes, K., J.D. Holtzman and B.T. Volpe. 1986. Components of visual attention: Alterations in response pattern to visual stimuli following parietal lobe infarction. *Brain*. 109:99-114.
- Benson, D.F. 1985. Aphasia (In) *Clinical Neuropsychology*. eds. K.M. Heilman and E. Valenstein. New York: Oxford University Press. pp.17-47.
- Benson, D.F., W.A. Sheremata, R. Bouchard et al. 1973. Conduction aphasia: A clinopathological study. *Archives of Neuro*. 28:339-346.
- Benson, D.F., E.J. Metter, D.E. Kuhl et al. 1983. Positron computed tomography in neurobehavioral problems. (In) *Localization in Neuropsychology*. ed. A. Kertesz. New York: Academic Press. pp.121-139.
- Benson, D.F. and E. Zaidel (eds.) 1985. *The Dual Brain: Hemispheric Specialization in Humans*. New York: The Guilford Press.
- Black, P., S.N. Cianci and R.S. Markowitz. 1971. Differential recovery of proximal and distal motor power after cortical lesions. *Trans. Amer. Neurol. Assoc*. 96:173-177.
- Blume, W.T. 1993. Motor cortex: Anatomy, physiology and epileptogenesis. (In) *The Treatment of Epilepsy: Principles and Practices*. ed. E. Wyllie. Philadelphia: Lea & Febiger. pp.16-25.
- Blume, W.T. 1993. Focal motor seizures and epilepsy partialis continua. (In) *The Treatment of Epilepsy: Principles and Practices*. (ed.) E. Wyllie. Philadelphia: Lea Febiger. pp.393-399.
- Blume, W.T., D.C. Jones, G.B. Young et al. 1992. Seizures involving secondary sensory and related areas. *Brain*. 115:1509-1520.
- Bogousslavsky, J. and F. Regli. 1986. borderzone infarctions distal to internal carotid artery occlusion: Prognostic implications. *Ann. Neurol*. 20:346-350.
- Bottini, G., R. Corcoran, R. Sterzi et al. 1994. The role of the right hemisphere in the interpretation of figurative aspects of language: A positron emission tomography activation study. *Brain*. 117:1241-1253.
- Butter, C.M., K. Mishkin and A.F. Mirsky. 1968. Emotional response in monkeys with selective frontal lesions. *Physiol. Rev*. 3:213-215.
- Butter, C.M., D.R. Snyder and J. McDonald. 1970. Effects of orbital frontal lesions on adverse and aggressive behavior in rhesus monkeys. *J. Comp. Physiol. Psychol*. 72:832-144.
- Butters, N. and D. Pandya. 1969. Retention of delayed alternation: effect of selective lesions of sulcus principalis. *Science*. 165:1271- 1273.
- Calleja, J., R. Carpizo and J. Berciano. 1988. organismic epilepsy. *Epilepsia*. 29:635-639.
- Cauvel, P., A.V. Delgado-Escueta, E. Halgren et al. (eds.) 1992. *Frontal lobe seizures and epilepsies*. New York: Raven Press (see also Delgado-Escueta et al. 1988. *Epilepsia*. 29:204-221 for abstracts)
- Chui, H., A. Damasio. 1980. Human cerebral asymmetries evaluated by computed tomography. *J. Neurology, Neurosurgery, Psychiatry*. 43:873-878.
- Cole, J. 1957. Laterality in the use of eye, hand and foot in monkeys. *J. Comp. Physiol. Psychol*. 50:296-299.

- Colebatch, J.G., and S.C. Gandevia. 1989. The distribution of muscular weakness in upper motor neuron lesions affecting the arm. *Brain*. 112:749-763.
- Corkin, S., B. Milner, and T. Rasmussen. 1964. Effects of different cortical excisions on sensory thresholds in man. *Trans. Amer. Neurol. Assoc.* 89:112-116.
- Coslett, H.B., H.P. Brashear, K.M. Heilman. 1984. Pure word deafness after bilateral primary auditory cortex infarcts. *Neurology*. 34:347-352.
- Coslett, H.B. 2000. Acquired dyslexia. *Seminars in neurology*. 20:419-426.
- Coslett, H.B., and E.M. Saffran. 1989. Evidence for preserved reading in pure alexia. *Brain*. 112:327-359.
- Cracco, R.Q., V.E. Amassian, P.J. Maccabee. 1989. Comparison of human transcallosal responses evoked by magnetic coil and electrical stimulation. *Electroencephalography and clinical neurophysiology*. 74:417-424.
- Cushing, H., and L. Eisenhardt. 1938. *Meningiomas: Their Classification, Regional Behavior, Life History and Surgical End Results*. Springfield, IL: Charles C. Thomas. pp.418-419. Reprint Birmingham, Alabama: The Classics of Neurology Neurosurgery Library. 1988.
- Damasio, A.R. 1985. The frontal lobes. (In) *Clinical Neuropsychology* - 2nd ed. eds. K.M. Heilman and E. Valenstein. New York: Oxford. pp.339-375.
- Damasio, A.R. 1992. Medical Progress: Aphasia. *N. Engl. J. Med.* 326: 531-539.
- Damasio, A.R., and N. Geschwind. 1984. The neural basis of language. *Ann. Rev. Neurosci.* 7:127-147.
- Damasio, H., A. Damasio. 1980. The anatomical basis of conduction aphasia. *Brain*. 103:337-350.
- Damasio, H., T. Grabowski, R. Frank et al. 1994. The return of Phineas Gage: Clues about the brain from the skull of a famous patient. *Science*. 264:1102-1105.
- Darian-Smith, I., K.O. Johnson and A.W. Goodwin. 1979. Posterior parietal cortex relations of unit activity to sensorimotor function. *Ann. Rev. Physiol.* 41:141-157.
- Dellatolas, G., S. Luciani, A. Castresana et al. 1993. Pathologic left-handed: Left-handedness correlatives in adult epileptics. *Brain*. 116:1565-1574.
- De Renzi, E. 2000. Disorders of visual recognition. *Seminars in Neurology*. 20:479-486.
- De Renzi, E. and F. Luchelli. 1988. Ideational apraxia. *Brain*. 111: 1173-1185.
- Duffner, K.R., L.L. Ahern, S. Weintraub. 1990. Dissociated neglect behavior following sequential strokes in the right hemisphere. *Ann. Neurology*. 28:97-101.
- Duffner, K.R., M.M. Mesulam, L.F.M. Scinto, et al. 2000. The central role of prefrontal cortex in directing attention to novel events. *Brain*. 123: 927-939.
- Dusser de Barenne, J.G., and W.S. McCulloch. 1941. Suppression of motor response obtained from area 4 by stimulation of area 4S. *J. Neurophysiol.* 4:311-323.
- Ettlinger, F.G. (ed.) 1965. *Function of the Corpus Callosum*. Boston: Little, Brown and Company.
- Fangel, C., and B.R. Kaada. 1960. Behavior "attention" and fear induced by cortical stimulation in the cat. *Electroenceph. Clin. Neurophysiol.* 12:575-588.

- Feinberg, TE and MJ Farah. 2000. Agnosias. (In) Bradley, WG. et al (Eds.) *Neurology in Clinical Practice*. Boston Butterworth Heinemann. Pp.131-139.
- Fletcher, PC. and RNA Henson 2001. Frontal lobes and human memory .Insights from functional neuroimaging. *Brain*. 124:849-881.
- Freund, H.J. 1987. Differential effects of cortical lesions in humans. (In) *Motor Areas of the Cerebral Cortex: Ciba Foundation Symposium*. No.132. (eds.) G. Bock, M. O'Connor and J. Marsh. Chichester: John Wiley. pp.269-281.
- Freund, H.J. and H. Hummelshein. 1985. Lesions of the premotor cortex in man. *Brain*. 108:697-733.
- Fried, I., C. Materr, G. Ojemann et al. 1982. Organization of visuospatial functions in human cortex: Evidence from electrical stimulation. *Brain*. 105:349-371.
- Friedman, R.B. and M.L. Albert. 1985. Alexia. (In) *Clinical Neuropsychology*. eds. K.M. Heilman and E. Valenstein. New York: Oxford University Press. pp.49-73.
- Fulton, J.F. and C.F. Jacobsen. 1935. The functions of the frontal lobes: A comparative study in monkeys, chimpanzees, and man. *Adv. Mod. Biol. (Moscow)*. 4:113-123.
- Galaburda, A.M., M. LeMay, T.L. Kemper et al. 1978. Right-left asymmetries in the brain. *Science*. 199:852-856.
- Gandevia, S.C., D. Burke and B. McKeon. 1984. The projection of muscle afferents from the hand to cerebral cortex in man. *Brain*. 107:1-13.
- Gazzaniga, M.S., J.E. Bogen and R.W. Sperry. 1965. Observations on visual perception after disconnections of the cerebral hemispheres in man. *Brain*. 88:221-236.
- Geier, S., J. Bancaud, J. Talairach et al. 1977. The seizures of frontal lobe epilepsy: A study of clinical manifestations. *Neurology*. 27:951-958.
- Geschwind, N. 1965. Disconnection syndromes in animals and man. *Brain*. 88:237-294, 585-644.
- Geschwind, N. 1971. Aphasia. *N. Engl. J. Med*. 284:654-656.
- Geschwind, N. and W. Levitsky. 1968. Human brain: Left-right asymmetries in temporal speech region. *Science*. 161:186-187.
- Geschwind, N., F.A. Quadfasel and J. Segarra. 1968. Isolation of the speech area. *Neuropsychologia*. 6:327-340.
- Goldman-Rakic, P.S. 1987. Motor control function of the prefrontal cortex. (In) *Motor Areas of the Cerebral Cortex - Ciba Foundation Symposium*. No.132. eds. G. Bock, M. O'Connor, and J. Marsh, pp.187-201.
- Grafman, J., S.C. Vance, H. Weingartner et al. 1986. The effects of lateralized frontal lesion on mood regulation. *Brain*. 109:1127-1148.
- Halsband, U. and H.J. Freund. 1990. Premotor cortex and conditional motor learning in man. *Brain*. 113:207-222.
- Halsband, U., N. Ito, J. Tanji and H.J. Freund. 1993. The role of premotor cortex and the supplementary motor area in the temporal control of movement in man. *Brain*. 116:243-266.
- Hausser-Hauw, C. and J. Bancaud. 1987. Gustatory hallucinations in epileptic seizures: Electrophysiological, clinical and anatomical correlates. *Brain*. 110:339-360.
- Harlow, J.M. 1868. Recovery from the passage of an iron bar through the head. *Mass. Med. Soc. Publ*. 2:327-346.

- Heilman, K.M. and L.J.G. Roth. 1985. Apraxia (In) Clin. Neuropsychology. eds. K.M. Heilman and E. Valenstein. New York: Oxford University Press. pp.134-150.
- Heilman, K.M., R.T. Watson, E. Valenstein et al. 1983. Localization of lesions in neglect. (In) Localization in Neuropsychology. ed. A. Kertesz. New York: Academic Press. pp.471-492.
- Heilman, KM, E. Valenstein and RT Watson. 2000. Neglect and related disorders. *Seminars in neurology*. 20:463-470.
- Helmstaedter, C., M. Kurher, D.B. Linke and C.E. Elger. 1994. Right hemisphere restitution of language and memory functions in right hemisphere language dominant patients with left temporal lobe epilepsy. *Brain*. 117:729-737.
- Jacobsen, C.F. 1935. Functions of the frontal association area in primates. *Arch. Neurol. Psychiat.* 33:558-569.
- Jacobsen, C.F. and H.W. Nissen. 1937. Studies of cerebral function in primates: IV. The effects of frontal lobe lesion on the delayed alteration habit in monkeys. *J. Comp. Physical Psychol.* 23:101-112.
- Jacobsen, S., J. Trojanowski. 1977. Prefrontal granular cortex of the rhesus monkey: I. Intrahemispheric cortical afferents. II. Interhemispheric cortical afferents. *Brain Research*. 132:209-233, 235-246.
- Jones, E.G., D.P. Friedman, S.H.C. Hendra. 1982. Thalamic basis of place and modality specific columns in monkey cerebral cortex: A Correlative anatomical and physiological study. *J. Neurophysiol.* 48:545-568.
- Jones, E.G., T.P.S. Powell. 1970. An anatomic study of converging sensory pathways within the cerebral cortex of the monkey. *Brain*. 93:793-820.
- Kass, J.H., M.M. Merzenich and H.P. Killackey. 1983. The reorganization of somatosensory cortex following peripheral nerve damage in adult and developing mammals. *Ann. Rev. Neurosci.* 6:325-356.
- Kass, J.H., R.J. Nelson, M. Sur et al. 1979. Multiple representations of the body within somatosensory cortex of primates. *Science*. 204:521-523.
- Kass, J.H., R.J. Nelson, M. Sur et al. 1981. Organization of somatosensory cortex in primates. (in) *The Organization of the Cerebral Cortex*. ed. F.O. Schmitt et al. Cambridge, MA.: MIT Press. pp.237-261.
- Kertesz, A. and N. Geschwind. 1971. Patterns of pyramidal decussation and their relationship to handedness. *Arch. Neurol.* 4:326-332.
- Killackey, H. and F. Ebner. 1973. Convergent projection of three separate thalamic nuclei into a single cortical area. *Science*. 179:283-85.
- Kirsher, HS. 2000. Aphasia. (In) Bradley WG et al (Eds). Boston Butterworth Heinemann. pp 141-159.
- Kennard, M.A. and L. Ectors. 1938. Forced circling in monkeys following lesions of the frontal lobes. *J. Neurophysiol.* 1:45-54.
- Landis, T., M. Regard, A. Bliestel et al. 1988. Prosopagnosia and agnosia for non-canonical views: An autopsied case, *Brain*. 111:1287-1297.
- Legarda, S., P. Jayakar, M. Duchowny et al. 1994. Benign rolandic epilepsy: High central and low central subgroups. *Epilepsia*. 35:1125-1129.
- Lehman, R., F. Andermann, A. Olivier et al. 1994. Seizures with onset in the sensorimotor face area: Clinical patterns and results of surgical treatment in 20 patients. *Epilepsia*. 35:1117-1124.

- Leiguarda, R.S. and C.D. Marsden. 2000. Limb apraxias. Higher order disorders of sensorimotor integration. *Brain*. 123: 860-879.
- Leiguarda, R., S. Starkstein and M. Berthier. 1989. Anterior callosal hemorrhage: A partial interhemispheric disconnection syndrome. *Brain*. 112:1019-1037.
- LeMay, M. and A. Culebras. 1972. Human brain morphologic differences in the hemispheres demonstrable by carotid arteriography. *New Eng. J. Med.* 287:168-170. (see also N. Geschwind. 1972. Editorial. *New Eng. J. Med.* 187:194-195.
- LeMay, M. and D.K. Kido. 1978. Asymmetries of the cerebral hemispheres on computed tomograms. *J. Computer Assisted Tomography*. 2:471.
- LeMay, M. and N. Geschwind. 1978. Asymmetries of the human cerebral hemispheres (in) *Language Acquisition and Breakdown*. eds. A. Caramazza and E.B. Zurif. Baltimore: Johns Hopkins. pp.311-328.
- Luders, H., R.P. Lesser, D.S. Dinner et al. 1988. Localization of cortical function: New information from extraoperative monitoring of patients with epilepsy. *Epilepsia*. 29 (Suppl 2): 56-65.
- Luders, H., R.P. Lesser, D.S. Dinner et al. 1985. The second sensory area in humans: Evoked potential and electrical stimulation studies. *Ann. Neurol.* 17:177-184.
- Ludlow, C.L., J.R. Rosenberg, C. Fair et al. 1986. Brain lesions associated with nonfluent aphasia, fifteen years following penetrating head injury. *Brain*. 109:55-80.
- Lynch, J.C., V.B. Mountcastle, W.H. Talbot et al. 1977. Parietal lobe mechanisms for directed visual attention. *J. Neurophysiol.* 40:362-89.
- Marcus, E.M., S. Jacobson, C.W. Watson et al. 1970. An experimental model of "petit mal epilepsy" in the monkey: Additional studies of the anterior premotor area. *Trans. Amer. Neurol. Assoc.* 95:279-281.
- Marcus, E.M., C.W. Watson and S.A. Simon. 1968. Behavioral correlates of acute bilateral symmetrical epileptogenic foci in monkey cerebral cortex. *Brain Res.* 9:370-373.
- Meador, K.F., R.T. Watson, D. Bowers et al. 1986. Hypometria with hemispatial and limb motor neglect. *Brain*. 109:293-305.
- Mesulam, M.M., G.W.V. Hoeser, D.N. Pandya et al. 1977. Limbic and sensory connections of the inferior parietal lobule (area PG) in the rhesus monkey. *Brain Res.* 136:393-414.
- Meyer, B.-U., S. Roricht, H. Gafin von Einsiedel et al. 1995. Inhibitory and excitatory interhemispheric transfers between motor cortical areas in normal humans and patients with abnormalities of the corpus callosum. *Brain*. 118:429-440.
- Milner, B. and H.L. Teuber. 1968. Some cognitive effects of frontal lobe lesions in man: Reflections on methods. (In) *Analysis of Behavioral Changes*. ed. L. Weiskrantz. New York: Harper and Row. pp.268-375.
- Mohr, J.P. 1973. Rapid amelioration of motor aphasia. *Arch. Neurol.* 28: 77-82.
- Moniz, E. 1936. *Tentatives opératoires dans le traitement de certaines psychoses*. Paris: Masson et Cie. Morris III, H.H., D.S. Dinner, M.D. Luders et al. 1988. Supplementary motor seizures: Clinical and electroencephalographic findings. *Neurology*. 38:1075-1082.
- Morris III, H.H., 1993. Supplementary motor seizures (In) *The Treatment of Epilepsy: Principles and Practices*. ed. E. Wyllie. Philadelphia: Lea & Febiger. pp.541-546.

- Morrow, M.J. and J.A. Sharpe. 1995. Deficits of smooth pursuit eye movement after unilateral frontal lobe lesions. *Ann. Neurology*. 37:443-451.
- Mountcastle, V.B. 1957. Modality and topographic properties of single neurons of cats somatic sensory cortex. *J. Neuro-physiology*. 20:408-434.
- Naeser, M.A. 1983. CT scan lesion size and lesion locus in cortical and subcortical aphasias (In) *Localization in Neuropsychology*. ed. A. Keertesz. New York: Academic Press. pp.63-119.
- Naeser, M.A., C.L. Palumbo, N.H. Estabrook et al. 1989. severe non- fluency in aphasia: Role of the medial subcallosal fasciculus and other white matter pathways in recovery of spontaneous speech. *Brain*. 112:1-38.
- Nagel-Leiby, S., H.A. Buchtel, K.M.A. Welch. 1990. Cerebral control of directed visual attention and orienting saccades. *Brain*. 113:237-276.
- Nauta, W.J.H. 1964. Some efferent connections of the prefrontal cortex in the monkey. (In) *The Frontal Granular Cortex and Behavior*. eds. J. M. Warren and K. Akert. New York: McGraw Hill. pp.397-409.
- Ochipa, C. and LJ Gonzalez Rothi. 2000. Limb apraxia. *Seminars in Neurology*. 20:471-478.
- Ochs, R., P. Gloor, F. Quesney et al. 1984. Does head turning during seizure have lateralizing or localizing significance? *Neurology*. 34:884-890.
- Pandya, D.N., P. Dye and N. Butters. 1971. Efferent corticocortical projections of the prefrontal cortex in the rhesus monkey. *Brain Research*. 31:35-46.
- Pandya, D.N. and H. Kuypers. 1969. Cortico-cortical connections in the rhesus monkey. *Brain Research*. 13:13-16.
- Pandya, D.N. and L.A. Vignolo. 1971. Intra and inter hemispheric projections of the precentral premotor and arcuate areas in the rhesus monkey. *Brain Research*. 26:217-233.
- Passingham, R.E. 1987. Two cortical systems for directing movement. (In) *Motor Areas of the Cerebral Cortex*, Ciba Foundation Symposium No.132. eds. G. Bock, M. O'Connor and J. Marsh. pp.151-164.
- Pause, M., E. Kunesch, F. Binkofski et al. 1989. Sensorimotor disturbances in patients with lesions of the parietal cortex. *Brain*. 112:1599-1625.
- Perenin, M.T. and A. Vighetto. 1988. Optic ataxia: A specific disruption in visuomotor mechanisms. I. Different aspects of the deficit in reaching for objects. *Brain*. 111:643-674.
- Peretz, I, R. Kolinsky, M. Tramo et al. 1994. Functional dissociations following bilateral lesions of auditory cortex. *Brain*. 117:1283-1301.
- Phillips, C.G. 1966. Changing concepts of the precentral motor area. (In) *Brain and Conscious Experience*. ed. J. C. Eccles. New York: Springer Verlag. pp.389-421.
- Pierrott-Deseilligny, C.H., F. Cray and P. Brunot. 1986. Infarcts of both inferior parietal lobules with impairment of visually guided eye movement, peripheral visual attention and optic ataxia. *Brain*. 109:81-97.
- Pierrott-Deseilligny, C.H., S. Rivaud, B. Gaymard et al. 1995. Neurological progress - Cortical control of saccades. *Ann. Neurol*. 37:557-567.
- Quesney, L.F., M. Constan, D.R. Fish et al. 1990. The clinical differentiation of seizures arising in the parasagittal and anterolateral dorsal frontal convexities. *Arch. Neurol*. 47:677-679.

Randolph, M. and J. Seemes. 1974. Behavioral consequences of selective subtotal ablations in the post central gyrus of *Macaca mulatta*. *Brain Res.* 70:55-770.

Reeves, A.G. (ed.) 1985. *Epilepsy and the Corpus Callosum*. New York: Plenum. Rizzolatti, G. 1987. Functional organization of inferior area 6 (In) *Motor Areas of the Cerebral Cortex*, Ciba foundation Symposium No. 132. eds. G. Bock, M. O'Connor and J. Marsh. pp.171-186.

Rome, R., Schultz. 1986. Neuronal activity preceding self initiated or externally time arm movements in area 6 of monkey cortex. *Exp. Brain Res.* 67:656-662.

Saffran, E. 2000. Aphasia and the relationship of Language and brain. *Seminars in neurology.* 20:409-418.

Sass, K.J., D.P. Spencer, S.S. Spencer et al. 1988. Corpus callostomy for epilepsy: II. Neurological and neuropsychological outcome. *Neurology.* 38:24-28.

Sawhney, I.M.S., N. Suresh, O.K. Dhend et al. 1988. Acquired aphasia with epilepsy Landau Kleffner Syndrome. *Epilepsia.* 29:283-287.

Scheffer, I.E., K. B. Bhatia, I. Lopes-Cendes et al. 1995. Autosomal dominant nocturnal frontal lobe epilepsy. A distinctive clinical disorder. *Brain.* 118:61-73.

Schwartz, B.F., E. Halgren, A.V. Delgado-Escueta et al. 1989. Neuroimaging in patients with seizures of probable frontal lobe origin. *Epilepsia.* 30:547-558.

Sergent, J. 1986. Subcortical coordination of hemispheric activity in commissurotomized patients. *Brain.* 109:357-369.

Sergent, J. and J.G. Villemore. 1989. Prosopagnosia in a right hemispherectomized patient. *Brain.* 112:975-995.

Shibasaki, H., N. Sadato, H. Lyshkow et al. 1993. Both primary motor cortex and supplementary motor area play an important role. *Brain.* 116:1387-1398.

Stein, J.F. 1976. The effect of cooling parietal lobe areas 5 and 7 upon voluntary movement in awake rhesus monkeys. *J. Physiol. (London).* 298:62-63.

Stuss, D.T. and D.F. Benson. 1986. *The Frontal Lobes*. New York: Raven Press. Tharp, B.R. 1972. Orbital frontal seizures: A unique electroencephalographic and clinical syndrome. *Epilepsia.* 13:627, 642.

Tuxhorn, I. and MS Kerdar. 2000. Somatosensory auras. In Luders, Ho and S. Nochtar (Eds). *New York Churchill Livingstone*. pp:286-297.

Twitchell, T.E. 1951. The restoration of motor function following hemiplegia in man. *Brain.* 74:443-480.

Vargha-Khadem, F., A.M. O'Gorman, G.V. Walters. 1985. Aphasia and handedness in relation to hemispheric side, age of injury and severity of cerebral lesion during childhood. *Brain.* 108:677-696.

Wada, J.A., R. Clarke and H. Hamm. 1975. Cerebral hemispheric asymmetry in humans. *Arch. Neurol.* 32:239-246.

Wada, J. and T. Rasmussen. 1966. Intra-carotid injection of sodium amytal for the lateralization of cerebral speech dominance: Experimental and clinical observations. *J. Neurosurgery.* 17:260-282.

Ward, A.A., I.K. Pedden and O. Sugar. 1946. Cortico-cortical connections in the monkey with special reference to area 6. *J. Neurophysiol.* 9:453-461.

Warner, J.J. 1988. Ictal alexia, agraphia, anomia without speech arrest. *Epilepsia.* 29:652.

- Watson, R.T., B.D. Miller and K.M. Heilman. 1978. Nonsensory neglect. *Ann. Neurol.* 3:505-508.
- Weiller, C., C. Isensee, M. Rijntjes et al. 1995. Recovery from Wernicke's aphasia: A positron emission tomographic study. 37:723-732.
- Weiskrantz, L., L.J. Liharlovic and G.G. Gross. 1962. Effects of stimulation of frontal cortex and hippocampus on behavior in the monkey. *Brain.* 85:487-504.
- Welch, K. and P. Stuteville. 1958. Experimental production of unilateral neglect in monkeys. *Brain.* 81:341-347.
- Wiesendanger, M., H. Hummelshein, M. Bianchetti et al. 1987. Input and output organization of the supplementary motor area. (In) *Motor Areas of the Cerebral Cortex*, Ciba Foundation Symposium No. 132. eds. G. Bock, M. O'Connor and J. Marsh. pp.40-62.
- Wiesendanger, M. and S.P. Wise. 1992. Current issues concerning the functional organization of motor cortex in non-human primates. (In) *Frontal Lobe Seizures and Epilepsies*. eds. P. Chauvel, A.V. Delgado-Escueta et al. New York: Raven Press. pp.117-134.
- Wilkins, R.H. and I.J.A. Brody. 1969. The thalamic syndrome. *Arch. Neurol.* 20:550-562.
- Williamson, P.D., P.A. Boon, V.M. Thadani et al. 1992. Parietal lobe epilepsy: Diagnostic considerations and results of surgery. *Ann. Neurol.* 31:193-201.
- Williamson, P.D., D.D. Spencer, S.S. Spencer et al. 1988. Complex partial seizures of frontal lobe origin. *Ann. Neurol.* 18:497-504.
- Willmes, K. and K. Poeck. 1993. To what extent can aphasic syndromes be localized *Brain.* 116:1527-1540.
- Wise, S.P. 1985. The primate premotor cortex: Past, present and preparatory. *Ann. Rev. Neurosci.* 8:1-19.
- Yakolev, P.I. and P. Radic. 1966. Patterns of decussation of bulbar pyramids and distribution of pyramidal tracts on two sides of the spinal cord. *Trans. Amer. Neurol. Assoc.* 91:366-367.

CHAPTER 23: VISUAL SYSTEM BIBLIOGRAPHY

- Aldrich, M.S., Vanderzant, C.W., Alessi, A.C., et al. 1989. Ictal Cortical Blindness with Permanent Visual Loss. *Epilepsia.* 30:116-120.
- Anand, I. And E. B. Geller. 2000. Visual auras.. (In) Luders, H. O. and S. Nocachtar(Eds.) *Epileptic seizures: Pathophysiology and Clinical Semiology*. New York. Churchill Livingstone. Pp 298-303.
- Barbur, J. L., J. D. G. Watson, R.S. J. Frackowiak and S.Zeki. 1993. Conscious visual perception without V 1. *Brain.* 116:1293-1302.
- Benton, S., Levy, I., and Swash, M. 1980. Vision in the Temporal Crescent in Occipital Lobe Infarction. *Brain.* 103:83-97.
- Brindley, G.S., Donaldson, P.E.K., Falconer, M.A. and Rushton, D.N.: 1972. The Extent of the Occipital Cortex That When Stimulated gives Phosphenes Fixed in the Visual Field. *J. Physiol. (London)* 225:p.57-58.
- Brindley, G.S. and Lewin, W.S. 1968. The Sensations Produced by Electrical Stimulation of the Visual Cortex. *J. Physiol. (London)* 196:474-493.
- Brookhart, J.M., Ed. 1984. *The Nervous system (Handbook of Physiology, Section 1, Vol III, Part I, Vision)*, Bethesda. MD Amer. Physiologic Soc.

- Geller, E. B., H. O. Luders, J. C. Cheek and Y. G. Comair. 2000. Electrical stimulation of the visual cortex. (In) Luders, H. O. and S. Noachtar. (Eds.) *Epileptic seizures: Pathophysiology and Clinical Semiology*. New York. Churchill Livingstone. 219-227.
- Horton, J.C., and Hoyt, W.F. 1991. Quadrantic Visual Field Defects: A Hallmark of Lesions in Extrastriate V2/V3 Cortex. *Brain*. 114:1703-1718.
- Hubel, D.H., and Wiesel, T.N. 1977. Ferrier Lecture: Functional Architecture of Macaque Monkey Visual Cortex. *Proc. R. Soc. London Biol.* 198:1-59.
- Humphrey, N.K., Weiskrantz, L. 1967. Vision in Monkeys After Removal of the Striate Cortex. *Nature*. 215:595-97.
- Kennard, C. and F.C. Rose. 1988. *Physiological Aspects of Clinical Neuro-ophthalmology*. Chicago, Year Book Medical Publishers Livingstone, M. and D. Hubel. 1988. Segregation of form, color, movement and depth: Anatomy, Physiology and Perception, *Science* 240:740-749.
- Lolley, R.N. and R.H. Lee. 1990. Cyclic GMP and photoreceptor function. *FASEB J.* 4:3001-3008.
- Mishkin, M. 1972. Cortical Visual Areas and Their Interactions. (in) *Brain and Human Behavior*, (Ed.) Karczmar, A.G., and Eccles, J.C. Berlin Springer, pp. 187-208.
- Moses, W.M. 1987. *Adler's Physiology of the Eye: clinical application*. St. Louis, Mosby.
- Pandya, D. N. and H. Kuypers. 1969. Cortico-cortical connections in the rhesus monkey brain. *Brain research*. 13:13-16.
- Penfield, W. and H. Jasper. 1954. *Epilepsy and the Functional Anatomy of the Human Brain*. Boston. Little Brown. Pp 116-126, 168-173, 401-408.
- Plant, G. T., K. D. Laxer and N. M. Barbaro. 1993. Impaired visual motion perception in the contralateral hemifield following unilateral posterior cerebral lesions in humans. *Brain*. 116:1303-1335.
- Pollen, D.A. 1975. Some Perceptual Effects of Electrical Stimulation of the Visual Cortex in Man (in) Chase, T.N. (Ed.), *The Nervous System, Volume 2: The Clinical Neurosciences*. New York, Raven Press, pp. 519-528.
- Poppel, E., Held, R. and Frost, D. 1973. Residual Visual Function After Brain Wounds Involving the Central Visual Pathways in Man. *Nature*. 243:295-96.
- Salanova, V., Andermann, F., and Rasmussen, F.B. 1993. Occipital Lobe Epilepsy (in) Wyllie, E.: *The Treatment of Epilepsy: Principles and Practices*, Philadelphia, Lea & Febiger, pp. 533-540.
- Stryer, L. 1986. Cyclic GMP cascade in Vision, *Ann Rev of Neuroscience* 9: 87-119.
- Van Essen, D.C.: 1979. Visual Areas of the Mammalian Cerebral Cortex. *Ann. Rev. Neuro. Sci.*, 2:227-63.
- Weiskrantz, L., Warrington, E.K., Sanders, M.D., Marshall, J. 1974. Visual Capacity in the Hemianopic Field Following a Restricted Occipital Ablation. *Brain*. 97:709-28.
- Williamson, P.D., Boon, P.A., Thadani, V.M., Darcey, R.M., Spencer, D.D., Spencer, S.S., Novelly, R.A., and Mattson, R.H.: Occipital Lobe Epilepsy. 1992. Clinical characteristics, seizure spread patterns and results of surgery. *Ann. Neurol.*, 31:3-13.
- Zeki, S. 1992. The Visual Image in Mind and Brain. *Scientific American*, 267:69-76.

CHAPTER 27 PART I: TRAUMA

Bullock, R., Teasdale, G. 1990. ABC of Major Trauma: Head Injuries. *B.M.J.*, 300:1515-18, 1576-9.

Evans, R.W. (Ed) 1992. The Neurology of Trauma: *Neurologic Clinics*. 10:815-1071.

Jaffee, D., Wesson, D. 1991. Emergency Management of Blunt Trauma in Children. *N.Engl.J.Med.*, 324:1477-1482.

Jennett, W.B., and Teasdale, G. 1981. *Management of Head Injury*. Philadelphia, F.A.Davis. Plum, F., and Posner, J.B. 1980. *The Diagnosis of Stupor and Coma*. Philadelphia, F. A.Davis.

Ropper, A.H., Kennedy, S.K., Zervas, N.T. (Ed): 1988. *Neurological and Neurosurgical Intensive Care*. Baltimore, University Park Press. White, R.J., and Likavec, M.J. 1992. The Diagnosis and Initial Management of Head Injury. *N.Engl.J.Med.*, 327:1507-11.

SPECIFIC REFERENCES AND CITATIONS

Annegers, J.F., W. A. Hauser, S.P. Coan and W.A. Rocca. 1998. A population based study of seizures after traumatic brain injuries, *N. Engl. J. Med.* 338:20-24.

Capruso, D.X., and Levin, H.S. 1992. Cognitive Impairment Following Closed Head Injury. *Neurologic Clinics*, 10:879-893.

Cordobes, F., Lobato, R.D., Rivas, J.J., et al. 1981. Observation on 82 Patients with Extradural Hematoma. Comparison of Results Before and After Advent of Computerized Tomography. *Neurosurg.*, 65:203-210.

Davis, J.M., Zimmerman, R.A. 1983. Injury to the Carotid and Vertebral Arteries. *Neuroradiology*, 25:55-70.

Duhaime, A.C., C.W. Christian, L. B. Rorke and R. Zimmerman. 1998. Non accidental head injury in infants. The "shaken- baby syndrome" *N. Engl J. med* 338:1822-1829.

Evans, R.W. 1992. The Post Concussion Syndrome and the Sequelae of Mild Head Trauma. *Neurologic Clinics*, 10:815-47.

Geerts, W. H., K. I. Code. R. M. Jay, et al. 1994. A prospective study of venous thromboembolism after major trauma. *N. Engl. J. Med.* 331: 1601-6

Jennett, W.B. 1962. *Epilepsy After Blunt Head Injuries*. London, William Heinemann Medical Books.

Jennett, W.B., and Bond, M. 1975. Assessment of Outcome After Severe Brain Damage. *Lancet*, 480.

CHAPTER 27:
CEREBRAL HEMISPHERES: NON VASCULAR DISORDERS
PART I : TRAUMA

Jennett, W.B., Teasdale, G., Brachman, R., et al. 1979. Prognosis of Patients with Severe Head Injuries. *Neurosurg.*, 4:283-389.

Kellerman, A. L., F.P. Rivara, R. K. Lee, et al. 1996. Injuries due to firearms in three cities. *N. Engl. J. Med.* 335:1438-44.

Keane, J.R., and Baloh, R.W. 1992. Post Traumatic Cranial Neuropathies. *Neurologic Clinics*, 10:849-867.

Markwalder, T.M. 1981. Chronic Subdural Hematomas: A Review. *J. Neurosurg.*, 54:637-645.

Marshall, L.F., Smith, R.W., Shapiro, H.M.: The Outcome with Aggressive Treatment in Severe Head Injuries Part I: The Significance of Intracranial Pressure Monitoring. *J. Neurosurg.* 50:20-25, 1979.

Masters, S.J., McClean, P.M., Archarese, J.S., et al. 1987. Skull x-ray Examination After Head Trauma: Recommendations by a Multi-Disciplinary Panel and Validation Study. *N. Engl. J. Med.*, 316:84-91.

Packard, R. C. (Ed). 1994. Mild Head Injury. *Seminars in Neurology*. 14: 1-89.

Rivara, F. P., D. C. Grossman, P. Cummings. 1997. Injury prevention. *N. Engl. J. Med.* 337:543-548, 613-618.

Ross, R.J., Cole, M., Thompson, J.S., Kirn, K.H. 1983. Boxers Computerized Tomography, EEG and Neurological Evaluation. *JAMA*. 249:211-13.

Teasdale, G., Jennett, B. 1974. Assessment of Coma and Impaired Consciousness: A Practical Scale. *Lancet*, 2:81.

Thompson, R.S., Rivara, F.P., and Thompson, D.C. 1989. A Case Control Study of the Effectiveness of Bicycle Safety Helmets. *N. Engl. J. Med.* 320:1361 -7.

Walker, A.F., Caveness, W.F., Critchley, M. (Ed) 1969. *The Late Effect of Head Injury*. Springfield, Charles C. Thomas. Watson, C.W. 1952. Incidence of Epilepsy Following Craniocerebral Injury II. Three Year Follow-up Study. *Arch. Neurol. Psychiat.* 68:831-834.

Zervas, N.T., and Hedley-White, J. 1972. Successful Treatment of Cerebral Herniation in Five Patients. *N. Engl. J. Med.*, 286:1075-77.

BIBLIOGRAPHY - CHAPTER 27 PART II
NEOPLASMS

GENERAL BIBLIOGRAPHY

Black, P. McL. 1991. Medical progress: brain tumors. *N. Engl. J. Med.*, 324: 1471-76, 1555-64.

Courville, C.B. 1967. Intracranial tumors. *Bull. Los Angeles, Neurological Societies* - #2: Supplement. #2:1-80.

Cushing, H. 1932. Intracranial tumors: notes upon a series of 2000 verified cases with surgical - mortality percentages pertaining thereto: Springfield, 111, Charles C. Thomas. De Angelis, L. M. 2001. Medical progress: Brain tumors. *N. Engl. J. Med.* 344: 114-123.

Grant, F.C. 1956. A study of the results of surgical treatment in 2326 consecutive patients with brain tumors. *J. Neurosurg.*, 13: 479-488.

Kernohan, J.W., and G.P. Sayre. 1952. Tumors of the central nervous system - fascicle #35. Atlas of tumor pathology. Washington, D.C., Armed Forces Institute of Pathology, 1952. Osteen, R.T. (ed.). 1990. Cancer Manual 8th Ed., Boston, American Cancer Society, Massachusetts Division.

Radhakrishnan, K., B. Mokri, J. E. Parisi, et al. 1995. The trends in incidence of primary brain tumors in the population of Rochester Minnesota. *Ann. Neurol.* 37: 67-73.

Rubinstein, L.J. 1992. Tumors of the central nervous system Fascicle #6 (2nd series) Atlas of Tumor Pathology. Washington, D.C., Armed Forces Institute of Pathology. Russell, D.S., and L.J. Rubinstein. 1977. Pathology of tumors of the nervous system 4th Ed. Baltimore, Williams & Wilkins.

Schmidek, H.H. 1987. The molecular genetics of nervous system tumors. *J.Neurosurg.*, 67:1-16.

Scott, J. N. N.B. Rewcastle, P. M. A. Brasher, et al. 1999. Which glioblastoma multiforme patient will become a long term survivor? A population based study. *Ann. Neurol.* 46:183-188.

Scott, R.M., L.D. Recht, R.M. Linggod et al. 1990. Cancer of the central nervous system (in) Osteen, R.T.(ed.) Cancer Manual 8th Ed., Boston American Cancer Society, Massachusetts Division, p.394-409.

Shapiro, W.R., and J.R. Shapiro. 1992. Primary brain tumors (in) Asbury, A.K., G.M. McKhann, and W.I. McDonald, (ed.) Diseases of the Nervous System - 2nd Edit., pp.1074-1092.

Walker, A.E., M. Robins, and F.D. Weinfelder. 1985. Epidemiology of brain tumors: The national survey of intracranial neoplasms. *Neurology*, 35:219-226.

Zulch, K.J. 1986. Brain tumors: their biology and pathology 3rd Ed. Berlin/New York, Springer Verlag.

SPECIFIC REFERENCES AND CITATIONS

Al-Mefty, O. (Ed.) 1991 Meningiomas: New York, Raven Press. Antunes, J.L., K.M. Louis, and S.R. Ganti, S.R. 1980. Colloid cysts of the third ventricle. *Neurosurg.*, 7:450-455.

Asa, S.C., and K.Kovacs. 1983. Histological classification of pituitary disease. *Clin.Endocrinology Metab.*,12:567.

Bailey, P., and H. Cushing. 1926. A classification of the tumors of the glioma group on a histogenetic basis with a correlated study of prognosis. Philadelphia, J.B.Lippincott.

Burger, P.C., S.B. Green. 1987. Patient age, histologic features and length of survival in patients with glioblastoma multiforme. *Cancer*, 59:1617-25.

Burger, P.C., F.S. Vogel, S.B. Green, et al, 1985. Glioblastoma multiforme and anaplastic astrocytoma: pathologic criteria and prognostic implications. *Cancer*, 56:1106-1011.

Cairncross, J.G., and N.J. Laperrier. 1989. Consensus in neurology low grade glioma. To treat or not to treat. *Arch.Neurol.*, 46:1238-39,1989 (see also Editorial Comment - Hachinski,46:12-29).

Cairncross, J.G., and D.R. MacDonald. 1991. Consensus in neurology:chemotherapy for oligodendroglioma. *Arch.Neurol.*, 48:225-227. (see also editorial comments of Casino, T.L., and V. Hachinski. *Arch.Neurol.*, 48:227).

Carter, J.N., J.E. Tyson, G. Tolis, et al: 1978. Prolactin secreting tumors and hypogonadism in 22 men. *N.Engl.J.Med.*, 299:847-852.

Cooper, P.E., and J.B. Martin 1992. Hypothalamic – pituitary function and dysfunction (in) Asbury, A.K., G.M. McKhann, W.I. MacDonald (Ed.): Diseases of the Nervous System - 2nd Ed., W.B.Saunders, Philadelphia, pp.567-583.

Cox, J.D., R. Yesner. 1979. Adenocarcinoma of the lung: recent results from the Veterans Administration lung group. *Am.Rev. Respir.Dis.*, 120:1025-29.

Cushing, H. 1912. *The Pituitary Body and Its Diseases*, Philadelphia Lippincott. Cushing, H. 1932. The basophil adenomas of the pituitary body and their clinical manifestations (pituitary basophilism). *Bull. Johns Hopkins Hosp.*, 50:137-195.

Cushing, H., and L. Eisenhardt. 1938 *Meningiomas*. Springfield, 111. Charles C. Thomas.

Daumas-Duport, C., Scheithauer, B., O'Fallen, J., Kelly, P. 1988. Grading of astrocytomas: A simple and reproducible method. *Cancer*, 62:2152-65.

Dawson, D.M., T. Hedley-Whyte, N. Harris. 1986. Case records of the Massachusetts General Hospital case #42-1986: A 28-year-old man with renal transplantation and recent disorientation: (malignant lymphoma; diffuse large cell type). *N.Engl.J.Med.*, DeAngelis, L. M. 1991. Primary central nervous system lymphoma: A new clinical challenge. *Neurology*, 41:619-621.

DeAngelis, L.M., J. Yahalom, M.H. Heinemann et al. 1990. Primary CNS lymphoma: combined treatment with chemotherapy and radiotherapy. *Neurology*, 40:80-86.

Delattre, J.Y., G. Krol, H.T. Thaler, H.T. et al: distribution of brain metastases. *Arch.Neurol.* 45:741-48.

Glasauer, F.F., R.H.P. Yuan. 1963. Intracranial tumors with extra cranial metastases. *J.Neurosurg*, 20:474-497.

Gruber, M.L., and R.A. Sobel.1992. A 45-year-old man with confusion, seizures, and few focal findings - Metastatic malignant melanoma "encephalitic form in leptomeninges and cerebral cortex. (Case records of the Massachusetts General Hospital - Case 28-1992), *N.Engl.J.Med.*, 327:107-116.

Hall, W.A., and L.D. Lunsford. 1987. Changing concepts in the treatment of colloid cysts - an 11-year experience in the CT era. *J.Neurosurg.*, 66:186-191.

Harding, J. 1973. Transsphenoidal surgery of hypersecreting pituitary tumors (in) Kohler, P.O., and G.T. Ross, G.T. *Diagnosis and Treatment of Pituitary Tumors*. N.Y., American Elsevier: p.179-198.

Hedges, T.R., W.C. Schoene, W.C., D.M. Albert. 1988. A 40-year-old man with rapidly progressive blindness and multiple cranial nerve deficits. Case records of the Massachusetts General Hospital Case #14-1988. *N.Engl.J.Med.*, 318:903-15 (Meningeal).

Hochberg, F.M., D.C. Miller. 1988. Primary central nervous system lymphoma. *J.Neurosurg.*, 68:835-853.

Huson, S.M. 1989. Recent developments in the diagnosis and management of neurofibromatosis. *Archives of Pis.in Childhood*, 64: 745-749.

Jiddene, M., F. Nicoli, P. Diaz, et al. 1986. Intracranial malignant lymphoma. Report of 30 cases and review of the literature. *J.Neurosurg.*, 65:592-99.

Klibanski, A., and N.T. Zervas. *Diagnosis and management of hormone secreting pituitary adenomas*. 1991. *N.Engl.J.Med.*, 324:822-31.

Kopelson, G., R.M. Lingood, G.M. Kleinmon, G.M.; 1983. Medulloblastoma the identification of prognostic subgroups and implications for multimodality management. *Cancer*, 51:312-79.

Kujas, M. 1993. Meningioma. *Current Opinion in Neurology and Neurosurgery*, 6:882-887.

Kurland, L.T., B.S. Schoenberg, J.F. Annerggers, et al. 1982. The incident of primary intracranial neoplasms in Rochester, Minnesota, 1935-1977, *Ann.N.Y.Acad.Sci.*, 381:6-16.

- Lesch, K.P., S. Gross 1987. Estrogen receptor immunoreactivity in meningiomas: comparison with the binding activity of estrogen progesterone and androgen receptors. *J.Neurosurg.*, 67:237-243.
- Levin, V.A., L.A. Rodriguez, M.S.B. Edwards et al: 1988. Treatment of medulloblastoma with procarbazine, hydroxyurea and reduced radiation doses to the whole brain and spine. *J.Neurosurgery*, 68:383-387.
- Little, J.R., A.J.D. Dale, H. Okazaki, H. 1974. Meningeal carcinomatosis: clinical manifestations. *Arch.Neurol.*,30:138-43.
- Ludwig, C.L., M.T. Smith, A.D. Godfrey, et al. 1986. A clinicopathologic study of 323 patients with oligodendrogliomas. *Ann.Neurol.*, 19:15-21.
- Martuza, R.L., and E. Roswell. 1988. Neurofibromatosis 2 -bilateral acoustic neurofibromatosis. *N.Engl.J.Med.*, 318:684-688.
- McCormick, W.F., N.S. Halmi.1971. Absence of chromophobe adenomas from a large series of pituitary tumors. *Arch.Pathol.*, 92: 231-238.
- Melmed, S. 1990. Medical progress: acromegaly. *N.Engl.J.Med.*, 322: 966-977.
- Melmed, S. 1994. Pituitary neoplasia. *Endocrinol. Metab Clin North America*. 23:81-92.
- Molitch, M.E., R.L. Eiton, R.E. Blackwell, et al.1980. Bromocriptine as primary therapy for prolactin secreting macroadenomas results of a prospective multicenter study. *J.Clin.Endocrinol. Metab.* 60:698-705.
- Nelson, J.S., Y. Tsukado, D. Schoenfeld, D. 1983. Necrosis as a prognostic criterion in malignant supratentorial astrocytic gliomas. *Cancer*, 52:550-54.
- Ojemann, R.G., and H.C. Powell.1976. Case records of the Massachusetts General Hospital case #36-1976. (Medulloblastoma metastatic to lumbosacral subarachnoid space). *N.Engl.J.Med.*, 295:553-61.
- Olson, M.E., M.L. Chernick, J.B. Posner. 1974. Infiltration of the leptomeninges by systemic cancer. *Arch.Neurol.*,30:122-37.
- Park, T.S., J.H. Hoffman, E.B. Henrick, et al. 1983. Medulloblastoma - Clinical presentation and management. Experience at hospital for sick children. *J.Neurosurg.*,58:543-52.
- Patchell, R.A., D.A. Tibbs, J.W. Walsh, J.W., et al. 1990. A randomized trial of surgery in the treatment of single metastases to the brain. *N.Engl.J.Med.*, 322:494-500.
- Picard, E.H., and E.T. Hedley-Whyte. 1988. Case records of the Massachusetts General Hospital Case #33-1988: A 71-year-old woman with progressive cranial nerve deficits and fever (lymphoma large cell (B Type) of central nervous system involving left temporal and frontal lobes, brain stem and spinal cord meninges and nerve roots). *N.Engl.J.Med.*,319:426-36.
- Pollack, I. F. 1994. Brain tumors in children. *N. Engl. J. med.* 331:1500-1507.
- Posner, J.B. (Editorial). 1990. Surgery for metastases to the brain. *N.Engl.J.Med.*, 322:544-545.
- Posner, J.B. 1992. Secondary neoplastic disease (in) Asbury, A.K., G.M. McKhann, G.M., and W.I. McDonald (Ed.) *Diseases of the Nervous System - 2nd Edition*, Philadelphia, W.B. Saunders, pp. 1093-1104.
- Recht, L.D., R. Lew, R., and T.W. Smith. 1992. Suspected low-grade glioma: Is deferring treatment safe? *Annal.Neurol.*31:431-36.

- Riccardi, V.M. 1981. Von Recklinghausen neurofibromatosis. *N.Engl.J.Med.*, 305:1617-1627.
- Riskind, P.N., E.P. Richardson, Jr., G.E. Boroic. 1986. Case records of the Massachusetts General Hospital - Case #3-1986. (Pituitary adenoma with partial necrosis (pituitary apoplexy). *N.Engl.J.Med.*, 314:229-238.
- Ron, E., B. Modan, J.D. Boice, et al. 1988. Tumors of the brain and nervous system after radiotherapy in childhood. *N.Engl.J.Med.*, 319:1033-39.
- Selikoff, I.J., and E.C. Hammond, (Ed.) 1982. Brain tumors in the chemical industry. *Ann.N.Y.Acad.Sciences*, 381:1-364.
- Shapiro, W. R. 1998. The therapy of primary brain tumors. *BNI Quarterly*. 14:4-14.
- Shapiro, W.R., S.B. Green, P.C. Burger, et al. 1989. Randomized trial of 3 chemotherapy regimens and two radiotherapy regimens in post-operative treatment of malignant glioma brain tumor - cooperative group trial 8001. *J.Neurosurg.*, 71:1-9.
- Stakes, J.W., and R.A. Sobel. 1986. Case records of the Massachusetts General Hospital case #22-1986: A 55-year-old woman with a progressive neurological disorder (malignant lymphoma (B cell type) brain right frontal lobe). *N.Engl.J.Med.*, 314:1498-1507.
- Stein, B.M., and M.R. Fetell, M.R. 1985. Therapeutic modalities for pineal region tumors. *Clin.Neurosurgery*, 32:445-55.
- Taveras, J.M., and E.H. Wood. 1964. *Diagnostic Neuroradiology*, Baltimore, Williams and Wilkins.
- Tomita, T., D.G. McLone. 1986. Medulloblastoma in childhood: Results of radical resection and low dose neuro-axis radiation therapy. *Neurosurg.*, 64:239-242.
- Tyrrell, J.B., R.M. Brooks, P.A. Fitzgerald et al. 1978. Cushing's disease: selective transsphenoidal resection of pituitary microadenomas. *N.Engl.J.Med.*, 298:753-58.
- Walker, M.D., S.B. Green, and D.P. Byar, D.P. et al. 1980 Randomized comparisons of radiotherapy and nitrosoureas for the treatment of malignant glioma after surgery. *N.Engl.J.Med.*, 303:1323-29.
- Winkler, G.F., S.M. DeLamonte. 1987. A 69-year-old woman with multiple cranial nerve abnormalities and inability to walk. Case records of the Massachusetts General Hospital Case #32-1987. *N.Engl.J.Med.*, 317:366-375.
- Wood, J.R., S.B. Green, W.R. Shapiro. 1988. The prognostic importance of tumor size in malignant gliomas: A computed tomographic scan study by the brain tumor cooperative group. *J.Clin. Oncol.* 6:338-343.
- Wood, M.W., R.J. White, J.W. Kernohan. 1957. One hundred intracranial meningiomas found incidentally at necropsy. *J.Neuropathol.Exp.Neurol.* 16:337-340.

BIBLIOGRAPHY - CHAPTER 27 PART III: INFECTIONS

GENERAL

- Davis, L. 1992. Spirochetal disease (in) *Diseases of the Nervous System* - 2nd ed. eds. A.K.Asbury, G.M.McKhann and W.I.McDonald. Philadelphia: W.B.Saunders. PP1359-1370.
- Kennedy, P.G.E., and R.T.Johnson. 1987. *Infections of the nervous system*. London: Butterworths.
- Kocen, R.S. 1992. Tuberculosis of the nervous system. In *Diseases of the nervous system* - 2nd Edit. eds. A.K.Asbury, G.M.McKhann and W.I.McDonald. Philadelphia: W.B.Saunders. PP 1371-1379.

- Lambert, H.P. 1991. Infections of the central nervous system. Philadelphia. B.C.Decker.
- McKendall, R.R., and W.G.Stroop. 1994. Handbook of Neurovirology. New York: Marcel Dekker, Inc.
- Marra, C. (Ed).1999 .Central Nervous System Infections. Neurologic Clinics 17 (4).
- Merritt, H.H., R.D.Adams and H.C.Solomon. 1946. Neurosyphilis. New York: Oxford University Press.
- Newton, B.A. ed. 1985. Trypanosomiasis. Br.Med.Bull. 41:103-199.
- Solbrig, M.L.V. (Section Editor). 2000. Infections of the Nervous System. (In) Bradley, W. G., R. B.Daroff G. M. Fenichel and C. D. Marsden. Neurology in Clinical Practice. II:1315-1430.
- Spach, D.H., W.C.Liles, G.L.Campbell, et al. 1993. Tick borne diseases in the United States. N.Engl.J.Med. 329:936-947.
- Tunkel, A.R., and W.M.Scheld. 1992. Bacterial infections in adults.(in) Diseases of the nervous system: clinical neurobiology - 2nd Ed. A.K.Asbury, G.M.McKhann and W.I.McDonald. Philadelphia: W.B.Saunders.
- Whitley, R.J. 1990. Medical progress: viral encephalitis. N.Engl. J.Med. 323:1-4.
- SPECIFIC REFERENCES AND CITATIONS**
- Andersson, J., A.Ehrnst, P.H.Larson, et al. 1987. Visualization of defective measles virus particles in cerebrospinal fluid in sub-acute sclerosing panencephalitis. J.Infect.Dis. 156:928-933.
- Baer, G.M., and D.B.Fishbein. 1987. Rabies post exposure prophylaxis. (Editorial). N.Engl.J.Med. 316:1270-1271.
- Baringer, J.J. and P.Swoveland. 1973. Recovery of herpes simplex virus from human trigeminal ganglions. N.Engl.J.Med. 288:638-650.
- Basgoz, N. and M. P. Frosch. 1998. Case Records of the Massachusetts general hospital: A 32 year old woman with pharyngeal spasms and paresthesias after a dog bite. (Rabies) N. Engl. J. Med. 339: 105-112.
- Bell, B.A., and J.A.Britton. 1991. A Brain abscess. (in) Infection and the nervous system. ed. H.P.Lambert. Philadelphia: B.C.Decker. PP361-373.
- Bia, F.J. (ed.) 1993. Parasitic diseases of the nervous system. Seminars in Neurology. 13:131-233.
- Bia, F. J. and Barry,M. 1986. Parasitic infections of the nervous system. Neurol. Clinics. 4:171-206.
- Black, P.H. 1985. HTLV-III, AIDS, and the brain. N.Engl.J.Med. 313: 1538-1540. (Editorial).
- Boussier, M.G., H.J.M.Barnett. 1992. Cerebral venous thrombosis. (In© H.J.M.Barnett, J.P.Mohr, B.M. Stein, F.M. Yatsu.(Ed) Stroke Pathophysiology, Diagnosis and Management. 2nd ed. New York. New York: Churchill Livingston, Inc.
- Bromfield, E.B. and J. P. Vonsattel. 2000. Case records of the Massachusetts General Hospital: A 23 year old man with seizures and a lesion in the left temporal lobe.(Neurocysticercosis).N. Engl. J. Med. 343:420-7.
- Caplan, L.R., F.J.Kleeman, and S.Berg. 1977. Urinary retention probably secondary to herpes genitalis. N.Engl.J.Med. 297:920-921.
- Collinge, J. 1996. New diagnostic tests for prion disease. (editorial). N.Engl. J. Med. 335:963-965.

Daif, B., A.Awada, S.Al-Rajeh, et al. 1995. Cerebral venous thrombosis in adults - A study of 40 cases from Saudi Arabia. *Stroke*. 26:1193-1195.

Dastur, H.M., and A.D. Desai. 1965. Comparative study of brain tuberculomas and gliomas based on 108 case records of each. *Brain*. 88:375-396.

Deresiewicz, R. L., S. J. Thaler, L. Hsu and A. A. Zamani. 1997. Clinical and neuroradiographic manifestations of eastern equine encephalitis. *N. Engl. J. Med*. 336:1867-74.

Durand, M.L., S.B.Calderwood, D.J.Webber et al. 1993. Acute bacterial meningitis in adults: a review of 493 episodes. *N.Engl.J.Med*. 328:21-28.

Feigin, R. D., C. J. Baker, L. A .Herwaldt et al. 1982. Epidemic meningococcal disease in an elementary class room. *N.Engl.J.Med*. 307:1255-57. (Article concerns use of rifampin and meningococcal polysaccharide vaccine to prevent spread.)

Fishbein, D.B. and L.L. Robinson. 1993. Current concepts: rabies. *N.Engl.J.Med*. 329:1632-1638.

Fowler, K. B., S. Stagno, R. F. Nass, et al. 1992. The outcome of congenital cytomegalovirus infection in relation to maternal antibody status. *N. Engl. J. Med*. 326:663-7. (See also editorial by M. D. Yow and G. J. Demmler. 1992. *N.Engl.J.Med*. 326:702-3.)

Gajdusek, D.C. 1967. Slow virus infections of the nervous system. *N. Engl. J. Med*. 276:392-400.

Galimand, G., G. Gerbaud, M. Guibourdenche, et al. 1998. High level chloramphenicol resistance in *Neisseria meningitidis*. *N. Engl. J. Med*/ 339:868-74.

Gibbs, C. J. Jr. and D.C.Gajdusek. 1969. Infection as the etiology of spongiform encephalopathy (Creutzfeldt-Jakob disease). *Science* 165:1023-1025.

Gilden, D.H. 1994. Herpes zoster with postherpetic neuralgia -persisting pain and frustration. *N.Engl.J.Med*. 330:932-34.

Gilden, D. H., B. K. Kleinschmidt-DeMasters, J. J. La Guardia. 2000. Medical Progress: Neurologic complications of the reactivation of varicella-zoster virus. *N. Engl. J. Med*. 342:635-645.

Gordon, S.M., M.E.Eaton, R.George et al. 1994. The response of symptomatic neurosyphilis to high-dose intravenous penicillin G in patients with human immunodeficiency virus infection. *N.Engl.J.Med*. 331:1469-1473.

Gray, F., F.Gherardi, and F. Scaravilli. 1988. The neuropathology of the acquired immune deficiency syndrome (AIDS). *Brain*, 111:245-266.

Griffith, J. F.1985. Subacute sclerosing panencephalitis and lymphocytes(Editorial). *N. Engl. J. Med* 313:952-954.

Hanley, D. 1990. Herpes simplex encephalitis: clinical diagnosis and management. Syllabus Minneapolis Annual Course No.347: Infections of the nervous system. *Amer.Acad.Neurology*.

Haywood, A. M. 1997. Transmissible spongiform encephalopathies. *N. Engl. J. Med*. 337:1821-1828.

Henson, J.W. and M.J.Ferraro. 1993. Case records of the Massachusetts General Hospital - A 71-year-old woman with confusion, hemianopia and an occipital mass. *N.Engl.J.Med*. 329:1335-1341.

Hoban, D.J., E.Witwick and G.W.Hammond. 1985. Bacterial antigen detection in cerebrospinal fluid of patients with meningitis. *Diagn.Microbiol.Infect.Dis*. 3:373-379. (Article concerns rapid identification using agglutination for bacterial antigen detection.)

- Hoke, C.H., A.Nisalok and N.Sangawhipa. 1980. Protection against Japanese encephalitis by activated vaccines. *N.Engl.J.Med.* 319:608-14.
- Holman, R.G., R.S.Janssen, J.W.Buehler, et al. 1991. Epidemiology of progressive multifocal leukoencephalopathy in the United States: analysis of national mortality and AIDS surveillance data. *Neurology.* 41:1733-36.
- Holmes, M.D., M.M.Brant-Zawodski and R.P.Simon. 1984. Clinical manifestations of meningovascular syphilis. *Neurology.* 34:553-6.
- Hook, E.W. and C.M.Marra. 1992. Acquired syphilis in adults. *N.Engl.J.Med.* 326:1060-1068.
- Horowitz, S.L., J.R.Bentson, F.Benson et al. 1983. CNS toxoplasmosis in acquired immunodeficiency syndrome. *Arch. Neurol.* 40:649-652.
- Houff, S.A., E.O.Major., D.A.Katz et al. 1988. Involvement of J.C. virus-infected mononuclear cells from the bone marrow and spleen in the pathogenesis of progressive multifocal leukoencephalopathy. *N.Engl.J.Med.* 318:301-305.
- Howard, R.S. and A.J.Lees. 1987. Encephalitis lethargica: a report of four recent cases. *Brain.* 110:35-52.
- Johnson, R.T. 1972. Effects of viral infection on the developing nervous system. *N.Engl.J.Med.* 287:599-604.
- Johnson, R.T. 1980. Selective vulnerability of neural cells to viral infections. *Brain.* 103:447-472.
- Johnson, R.T. 1982. Current concepts in neurology: the contribution of virologic research to clinical neurology. *N.Engl.J.Med.* 307:660-662.
- Johnson, R.T. 1992. Prion disease. *N.Engl.J.Med.* 326:486-487.
- Johnson, R. T. and C. J. Giggs, Jr. 1998. Medical progress: Creutzfeldt-Jakob disease and related transmissible spongiform encephalopathies. *N. Engl. J. Med.* 339:1994-2004.
- Johnson, R.T., D.E.Griffin, R.L.Hirsch et al. 1984. Measles encephalomyelitis: clinical and immunologic studies. *N. Engl. J. Med.* 310:137-141.
- Johnson, R.T. and K.J.Johnson. 1968. Hydrocephalus following viral infection: the pathology of aqueductal stenosis developing after experimental mumps virus infection. *J.Neuropath.Exp.Neurol.* 27:591-606.
- Johnson, R.T., and K.S.Warren. 1992. Parasitic infections. (In) *Diseases of the nervous system* - 2nd. ed. eds. A.K.Asbury, G.M.McKhann, and W.I.McDonald. Philadelphia: W.B.Saunders. pp.130-58.
- Jubelt, B. and J.Drucker. 1993. Post polio syndrome: an update. *Seminars in Neurology.* 13:283-290.
- Kahn, J. O. and B. D. Walker. 1998. Current Concepts: Acute human immunodeficiency virus type I infection. *N. Engl. J. Med.* 339:33-39.
- Lepow, M.L. and R.Gold. 1983. Editorial retrospective: Meningococcal A and other polysaccharide vaccines: a 5 year progress report. *N.Engl.J.Med.* 308:1158-60.
- Lipton, S.A., and H.E.Gendelman. 1995. *Seminars in Medicine of the Beth Israel Hospital, Boston.* Dementia associated with the acquired immunodeficiency syndrome. *N.Engl.J.Med.* 332: p.934-940.
- Loeser, E., Jr., and L.Scheinberg. 1957. Brain abscesses: a review of ninety-nine cases. *Neurology.* 7:601-609.
- Mahalingham, R., M.Wellish, W.Wolf, et al. 1990. Latent varicella zoster viral DNA in human trigeminal and thoracic ganglia. *N.Engl.J.Med.* 323:627-631.

- Marra, C.M. 1995. Neurosyphilis: a guide for clinicians. *The Neurologist*. 1:157-166.
- Matthews, W.B. 1992. Slow viruses and the central nervous system. (in) H.P.Lambert (Ed.) *Infections of the central nervous system - 2nd Edit.* pp.329-342.
- McArthur, J.C. 1987. Neurologic complication of AIDS. *Medicine*. 66:407-437.
- McArthur, J.C. 1992. Neurologic manifestations of human immunodeficiency virus infection. (in) -A.K.Asbury, G.M.McKhann and W.I.McDonald eds.. *Diseases of the nervous system*. 2nd Edit. Philadelphia: W.B.Saunders. pp1312-1330
- McIntosh, K. 1991. Congenital syphilis: breaking through the safety net. (Editorial) *N.Engl.J.Med*. 316:1569-1572.
- McJunkin, J. E., E. C. de Los Reyes, J. E. Irazuzta., et al. 2001: La Crosse encephalitis in America. *N. Engl. J. Med*. 344:801-7.
- Miller, E., D.S.Dias, and D.Uttlea. 1987. Management of subdural empyema: a series of 24 cases. *J. Neurol.Neurosurg.Psychiat*.50:1415-1418.
- Monath, T.P. 1988. Japanese encephalitis. A plague of the Orient. *N.Engl.J.Med*. 319:641-643.
- Moore, K. A. and M. T. Osterholm.1998. Meningococcal disease and public health practice. (Editorial) *JAMA*. 279:472-3.
- Musher, D.M. and R.E.Baughn. 1994. Editorials - Neurosyphilis in HIV-infected persons. *N.Engl.J.Med*. 331:1517-1518.
- Nash, D., F. Mostashari, A. Fine. 2001. The outbreak of West Nile virus infection in the New York City area in 1999. *N. Engl. J. Med*. 344:1807-14.
- Padgett, B.L., D.L.Walker, G.M.Zurhein et al. 1971. Cultivation of papova-like virus from human brain with progressive multi focal leukoencephalopathy. *Lancet*. 1:1257-60.
- Picard, F.J., S.D.Poland, and G.P.A.Rice. 1993. New development with herpes viruses and the nervous system. *Current opinion in neurology and neurosurgery*. 6:169.
- Plotkin, S.A., and H. Koprowski. 1979. Phobia of hydrophobia justified. (Editorial) *N.Engl.J.Med*. 300:620-622.
- Pomeroy, S.L., S.J.Holmes, P.R.Dodge et al. 1990. Seizures and other neurologic sequelae of bacterial meningitis in children.*N.Engl.J.Med*. 323:1651-1657.
- Porter, S.B. and M.A.Sande. 1992. Toxoplasmosis of the central nervous system in the acquired immunodeficiency syndrome.*N.Engl.J.Med*. 327:1643-1648.
- Powderly, W.G., M.S.Saag, G.A.Cloud et al. 1992. A controlled trial of fluconazole or amphotericin B to prevent relapse of cryptococcal meningitis in patients with the acquired immunodeficiency syndrome. *N.Engl.J.Med*. 326:793-8) (see also Saag. M.S. et al. 1992. *N.Engl.J.Med*. 326:83-89).
- Prusiner, S. B. 2001. Shattuck lecture-Neurodegenerative diseases and prions. *N. Engl. J. Med*. 344: 1516-1526.
- Quagliarello, V. and W.M.Scheld. 1992. Bacterial meningitis: pathogenesis pathophysiology and progress. *N.Engl.J.Med*.327:864-872.
- Quagliarello, V. and W. M. Scheld. 1997. Treatment of bacterial meningitis. *N. Engl. J. Med*. 336:708-716.
- Reik, L., A.C. Steere, N. H. Bartenhagen, et al. 1979.Neurologic abnormalities of Lyme disease. *Medicine*. 58:281-294.

- Richardson, E.P., Jr. 1988. Progressive multifocal leukoencephalopathy 30 years later. *N.Engl.J.Med.* 318:315-317.
- Rosenstein, N. O. Levine, J. P. Taylor, et al. 1998. Efficacy of meningococcal vaccine and barriers to vaccination. *JAMA.* 279:435-439.
- Rosenstein, N. E., B. A. Perkins, D. S. Stephens, et al. 2001. Meningococcal disease. *N. Engl. J. Med.* 344:1378-1388.
- Sabetta, J.R., and V.T.Andriole. 1985. Cryptococcal infections of the central nervous system. *Med.Clin.North Am.* 69:333-344.
- Salaki, J., D.Louria and H.Chmel. 1984. Fungal and yeast infections of the central nervous system: A clinical review. *Medicine.* 63:108-132.
- Sepkowitz, K. A. 2001. AIDS- The first 20 years. *N. Engl. J. Med.* 344:1764-1772.
- Sharief, M.K., M.Phil, R.Hentges et al. 1991. Intrathecal immune response in patients with the post polio syndrome. *N.Engl.J. Med.* 325:751-755.
- Schucat, A., K. Robinson, J.D. Wenger, et al.1997. Bacterial meningitis in the United States in 1995. *N. Engl. J. Med.* 337:970-976.
- Simon, R. P. Neurosyphilis. 1985. *Arch Neurol.* 42: 606-613.
- Simon, R.P. 1990. Neurosyphilis: Syllabus annual course No.347:Infections of the nervous system. Minneapolis: Amer.Acad.Neurology. pp.43-62.
- Smith, A.L. 1990. Neurologic sequelae of meningitis. *N.Engl.J.Med.*, 319:141-7.
- Steere, A.C. 1989. Medical progress: Lyme disease. *N.Engl.J.Med.*321:586-596.
- Strauss, S.E. (moderator), J.M.Ostrove, G.Inchauspe et al. 1988. Varicella zoster virus infections: biology, natural history, treatment and prevention. *Ann.Intern.Med.* 108:221-7.
- Taylor, H.G., E.L.Mills, A.Ciampi et al. 1990. The sequelae of *Haemophilus influenzae* meningitis in school age children.*N.Engl.J.Med.* 323:1657-67.
- Traub, M., A.C.F. Colchester, D.P.C.Kingsley et al. 1984. Tuberculosis of the central nervous system. *Quart.J.Med.* 53:81-100.
- Tyler, K. L. 2001. West Nile virus encephalitis in America.(Editorial) *N. Eng. J. Med.*344:1858-9.
- Van Der Horst, C. M., M. S. Saag, G. A. Cloud, et al. 1997, Treatment of cryptococcal meningitis associated with the acquired immunodeficiency syndrome *N. Engl. J. med.* 337:15-21.
- Whitley, R. J., A. Arvin, C. Prober, et al. A controlled trial comparing vidarabine with acyclovir in neonatal herpes simplex virus infection. *N. Engl. J. Med.* 324:444-449.
- Whitley, R.J., and J.W.Gnann, Jr. 1992.Acyclovir: a decade later. *N.Engl.J.Med.* 327:782-789.
- Wood, M.J., R.W.Johnson, M.W.McKendrick et al. 1994. A randomized trial of acyclovir for 7 days or 21 days with and without prednisolone for treatment of acute herpes zoster. *N.Engl.J.Med.* 330:896-900.
- Wright, P.F. and D.T.Karzon. 1995. Editorial. Minimizing the risks associated with the prevention of poliomyelitis. *N.Engl.J.Med.* 332:529-530.

ZuRhein, G.M. and S.M.Chou. 1965. particles resembling papova viruses in human cerebral demyelinating disease. *Science*. 148:1477-1479.

CHAPTER 27 PART IV: NUTRITIONAL , RELATED DISORDERS AND ALCOHOL EFFECTS
SEE ALSO CHAPTERS 8,9,20

Ayus, J.C., Krothanpalli, R.K. and Arieff, A.I. 1987.Treatment of Symptomatic Hyponatremia and its Relation to Brain Damage. *N.Engl.J.Med.*, 317:1190-5.

Brody, I.A., and Wilkins, R.H. 1968.Neurological Classic IX: Wernicke's Encephalopathy. *Arch.Neurol.*, 19:228-232.

Brust, J.C.M. (ed.). 1993. Neurologic complications of drug and alcohol abuse. *Neurologic Clinics*. 11:503-735.

Charness, M.E., Simon, R.P., and Greenberg, D.A. 1989.Ethanol and the Nervous System. *N.Engl.J.Med.*, 321:442-454.

Cuba Neuropathy Field Inveatigation Team.1995. Epidemic optic neuropathy in Cuba –Clinical characterization and risk factors. *N. Engl. J. med*. 333:1176-82.

Czeizel, A.E. and Dudas, I. 1992.Prevention of the First Occurrence of Neural-tube Defects by Periconceptional Vitamin Supplementation. *N.Engl.J.Med.*, 327:1832-3.

Greenberg, D.A. 1993. Ethanol and sedatives. *Neurologic Clinics*. 11:523-534.

Hauw, J.J., DeBaecque, C., Hausser-Hauw, C., and Serdaru, M. 1988. Chromatolysis in Alcoholic Encephalopathies. *Brain*,111:843-57.

Hyvarinen, J., M. Laakso, R. Roine, et al. 1978. Effect of ethanol on neuronal activity in parietal association cortex of alert monkeys. *Brain*. 101:701-715.

Kleinschmidt-DeMasters, B.K, and Norenberg, M.D. 1981.Rapid Correction of Hyponatremia Causes Demyelination: Relation to Central Pontine Myelinolysis. *Science*, 211:1068-70.

Lindboe,C.F., Loberg.E.M. 1989.Wernicke's Encephalopathy in Non-Alcoholics: An Autopsy Study. *N.Engl.J.Med.*, 90:125-9.

Little, R.E., Anderson, K. W.,Ervin, C. H, et al.1989.Maternal Alcohol Use During Breast Feeding and Infant Mental and Motor Development at One Year.*N.Engl.J.Med.*, 321:425-30.

Miller, M.W. 1986.Effects of Alcohol on the Generation and Migration of Cerebral Cortical Neurons. *Science*, 233:1308-11.

Miller, M. (Ed) 1991.Development of the Central Nervous System: Effects of Alcohol and Opiates, pp.390.

Phillips, S.C., Harper, C.G., and Kril, J. 1987.A Quantitative Histological Study of the Cerebellar Vermis in Alcoholic Patients. *Brain*, 110:301-14.

Pincus, J.H., Reynolds, E.H., and Glaser, G.H. 1972. Subacute Combined System Degeneration with Folate Deficiency. *JAMA*, 221:496-497.

Porter, R.J., Mattson, R.H., Cramer, J.A., Diamond, I. (Ed): 1990. *Alcohol and Seizures: Basic Mechanisms and Clinical Concepts*. Philadelphia, F.A.Davis.

Rosenberg, I.H. 1992 (Editorial) Folic Acid and Neural-tube Defects - Time for Action? *N. Eng. J. Med.* 327:1875-1877.

Serdaru, M., Hausser-Hauw, C., LaPlane, D., et al . 1988. The Clinical Spectrum of Alcoholic Pellagra Encephalopathy: A Retrospective Analysis of 22 Cases Studied Pathologically. *Brain*, 111:829-842.

Streissguth, A.P., J.M. Aase, S. K. Clarren, et al. 1991. Fetal alcohol syndrome in adolescents and adults. *JAMA*. 265:1961-1967.

Toh, B.H., I. R. Van Driel, and P. A. Gleeson. 1997. Pernicious anemia. *N.Engl. J. Med.* 337:1441-1448.

vanGelder, N.M., Butterworth, R.G., and Drujan, B.D. (Eds). 1990. (Mal)Nutrition and the Infant Brain (in) *Neurology and Neurobiology - Proceedings of an International Symposium held in Montreal, Quebec, Canada, May 11-12, 1989*.

Victor, M.: The Effects of Nutritional Deficiency on the Nervous System (in) *Brain*, Lord, and Norris, F.H. (Eds). 1965. The Remote Effects of Cancer on the Nervous System. New York Grune and Stratton. Victor, M. 1993. Persistent altered mentation due to ethanol. *Neurologic Clinics*. 11:639-661.

Victor, M., Adams, R.D., and Collins, G.H. 1989. *The Wernicke-Korsakoff Syndrome and Related Neurological Disorders due to Alcoholism and Malnutrition - 2nd Ed.*, Philadelphia, F.A.Davis, Walsh, D.C., Hingson, R.W.,

Merrigan, D.M, et al. 1991.: A randomized Trial of Treatment Options for Alcohol Abusing Workers. *N.Engl.J.Med.*, 325:775-82.

TOXINS

GENERAL and Symposia.

Albers, J. W. and S. Berent.(Ed.) 2000. *Clinical Neurobehavioral Toxicology*. *Neurologic Clinics* .18:517-771.

Brust, J.C.M. (ed.). 1993. Neurologic complications of drug and alcohol abuse. *Neurologic Clinics*. 11:503-735.

Chang, L. W. 9Ed.). 1994. *Principles of neurotoxicology*. NY. Marcel Dekker. Spencer, P.S., and Schumburg, H.H. 1980. *Experimental and Clinical Neurotoxicology*. Baltimore, Williams & Wilkins.

Heavy Metals

Lead

Baghurst, P.A., McMichael, A.J., Wigg, N.R., et al. 1992. Environmental Exposure to Lead and Children's Intelligence at the Age of Seven Years – The Port Pirie Cohort Study. *N.Engl.J.Med.*, 327:1279-84.

Boothby, J.A., deJesus, P.V., Rowland, L.P. 1974. Reversible Forms of Motor Neuron Disease - Lead "Neuritis". *Arch.Neurol.*, 31:18-23.

Feldman, R.G. 1978. Massachusetts Department of Public Health -Urban Lead Mining: Lead Intoxication Among Deleders. *N.Engl. J.Med.*, 298:1143-1145.

Goldman, R.H., Baker, E.L., Haman, M., and Kamerow, P.B. 1987. Lead Poisoning in Automobile Radiator Mechanics. *N.Engl.J.Med.*, 317:214-8.

Mason, J. O. 1991. U.S. Public health Service's Strategic Plan to Eliminate Child hood lead Poisoning. JAMA. 265:2049

Exposure to Low Doses of Lead in Childhood: An 11-Year Follow-up Report. N.Engl.J.Med.322:83-8.

Rogan, W. J., K. N. Dietrich, J. H. Ware., et al. 2001. The effect of chelation therapy with succimer on neuropsychological development in children exposed to lead. N. Engl. J. Med. 344:1421-6.

Rosen, J. F. and P. Mushak. 2001. Primary prevention of childhood lead poisoning- the only solution. 344:1470-1471

Mercury

Adams, C.R., Ziegler, D.K. and Lin, J.T. 1983. Mercury Intoxication Simulating Amyotrophic Lateral Sclerosis. JAMA, 250:642-43.

Hammond, A.L. 1971. Mercury in the Environment: Natural and Human Factors. Science, 171:778-789.

Hauw, J., Rickards, A.G.,McMenemen, W.H. and Cumings, J.N. 1963. Organic Mercury Encephalopathy. J.Neurol.Neurosurg.Psychiat. 26:199-202.

Kurland, L.T., Faro, S.N. and Siedler, H. 1960.Minimata Disease. World Neuro. 11:370-390.

March, D.O., Clarkson, J.W., Cox, C., et al. 1987.Fetal Methyl Mercury Poisoning: Relationship Between Concentration Single Strands of Maternal Hair and Child Effects. Arch.Neurol., 44:1017-22.

Neal, D.A., and Jones, R.R. 1938. Chronic Mercurialism in the Hatters' Fur-Cutting Industry. JAMA, 110:337.

Other Agents

Ernst, A., and J. D. Zibrak. 1998. Carbon monoxide poisoning. N. Engl J. Med. 339: 1603-1608.

Barbiturates and Benzodiazepines

Busto, U., Sellers, E.M., Naranjo, C.A., et al. 1986. Withdrawal Reaction After Long Term Therapeutic Use of Benzodiazepines. N.Engl.J.Med., 315:854-9.

Farwell, J.R., Lee, Y.J., Hirtz, D.G., et al. 1990.Phenobarbital for Febrile Seizures – Effects on Intelligence and on Seizure Recurrence. N.Engl.J.Med., 322:364-9.

Cocaine and other drugs of abuse

General or symposia

Ali, S. F. (Ed.) 1998. The Neurochemistry of Drugs of Abuse : Cocaine, Ibogaine, and Substituted Amphetamines.Ann. N.Y Acad. Sci. 844: 1-362.

Ali, S. F. (Ed.)2000. Neurobiologic Mechanisms of drugs of Abuse: Cocaine, Ibogaine and Substituted Amphetamines. Ann. N. Y. Acad. Sci.914:1-440.

Richter, R.W. (Ed). 1975.Medical Aspects of Drug Abuse. Hagerstown. Harper & Row. Harvey, J. A. and B. E. Kosofsky. 1998.Cocaine: Effets on the Developing Brain. Ann N. Y. Acad. Sci. 846: 1-436.

Specific References

- Altura, B.T., and Altua, B.M. 1981. Phencyclidine, Lysergic Acid Diethylamide and Mescaline: Cerebral Artery Spasms and Hallucinogenic Activity. *Science*. 212:1051-52.
- Brust, J.C.M. 1993. Other agents: phencyclidine, marijuana, hallucinogens, inhalants and anticholinergics. *Neurologic Clinics*. 11:555-561.
- Chiriboga, C.A. 1993. Fetal effects. *Neurologic Clinics*. 11:707-728
- Foley, K.M. 1993. Opioids. *Neurologic Clinics*. 11:503-522.
- Freedman, D.X. 1969. The Psychopharmacology of Hallucinogenic Agents. *Ann. Rev. Med.*, 20:409-418.
- Srnythies, J.R. 1962. Hallucinogenic Drugs (in) Williams, D. (Ed.): *Modern Trends in Neurology*, London, Butterworth & Company. 3:pp.353-366.
- Cregler, L.L., and Mark, H. 1986. Special Report: Medical Complications of Cocaine Abuse. *N. Engl. J. Med.*, 315:1495-99.
- Gawin, F.H., and Ellinwood, E.H., Jr. 1988. Cocaine and Other Stimulants: Action, Abuse and Treatment. *N. Engl. J. Med.*, 318:1173-82.
- Isner, J.H., Chokshi, S.K. 1989. Cocaine and Vasospasms (Editorial) *N. Engl. J. Med.*, 321:1604-6.
- Lange, R.E., Cigarroa, R.A., Yancy, C.W., Jr., et al: 1989. Cocaine-Induced Coronary Artery Vasospasm. *N. Engl. J. Med.*, 321:1557-62.
- Leshner, A.I. 1996. Molecular mechanisms of cocaine addiction. *N. Engl. J. Med.* 335:128-129.
- Levine, S.R., Brust, J.C.M., Futrell, N. et al: 1990. Cerebrovascular Complications of the Use of the "Crack" Form of Alkaloidal Cocaine. *N. Engl. J. Med.*, 323:699-704.
- Mayes, L.C., Granger, R.H., Bornstein, M.H., Zuckerman. 1992. The Problem of Prenatal Cocaine Exposure. *JAMA*, 267:406-8.
- Mendelson, J. H. and N. K. Mello. 1996. *N. Engl. J. Med.* 334:965-972.
- Sanchez-Ramos, J.R. 1993. Psycho stimulants. *Neurology Clinics*. 11:535-553.
- Volpe, J.J. 1992. Mechanisms of Disease - Effect of Cocaine Use on the Fetus. *N. Engl. J. Med.*, 327:399-407.
- Yul, K., S. Ikemoto, T. Ishiguro, and K. Goto. 1998. Studies of amphetamine or methamphetamine psychosis I Japan: Relation of methamphetamine psychosis to schizophrenia. *Ann. N. Y. Acad. Sci.* 914:1-12.
- Zuckerman, B., Frank, D.A., Hingson, R. et al: 1989. Effects of Maternal Marijuana and Cocaine Use on Fetal Growth. *N. Engl. J. Med.*, 320:762-8.

COMPLICATIONS OF MEDICAL DISORDERS

General Reference:

Riggs, J.E. 2002. Neurologic Manifestations of Systemic Disease. *Neurologic Clinics*. 20:1-289.

Diabetes and Thyroid disease:

Alshekhlee, A., H. J. Kaminski, and R. Ruff. 2002. Neuromuscular manifestations of endocrine disorders. *Neurologic Clinics*. 20:35-58

Boyle, P.J., Schwartz, N.S., Shah, S., et al. 1988. Concentrations at the Onset of Hypoglycemic Symptoms in Patients with Poorly Plasma Glucose Controlled Diabetes and in Non-Diabetics. *N. Engl. J. Med.* 318:1487-92.

Halpern, J.P., Boyages, S.C., Maberly, G.F., Collins, J.K. et al. 1991. The Neurology of Endemic Cretinism: A Study of Two Endemics. *Brain*, 114:825-41.

Ingbar, S.H., and Braverman, L.E. (Ed). 1986. *The Thyroid: A Fundamental and Clinical Text*. Philadelphia, J.B.Lippencott. Sanders, V.: Neurologic Manifestations of Myxedema. 1986. *N. Engl. J. Med.* 266:547-552, 559.

Swanson, J. W., Kelly, J., Jr. and Mconahey, W.M. 1981. Neurologic Aspects of Thyroid Disease. *Mayo Clinic Proc.* 56:504-12.

Pituitary disorders: Refer to Part II of this chapter on Brain Tumors.

Renal Disease:

Lederman, R.J., and Henry, C.F. 1978. Progressive Dialysis Encephalopathy. *Ann.Neurol.*, 4:199-204.

Palmer, C. A. 2002. Neurologic manifestations of renal disease. *Neurologic clinics.* 20: 23-34.

Raskin, N.H., and Fishman, R.A. 1976. Neurologic Disorders in Renal Failure. *N.Engl.J.Med.*, 294:143-148, 204-210.

Trompeter, R.S., Polinsky, M.S., Andreoli, S.A., and Fennell, R.S.: Neurological Complications of Renal Failure. 1986. *Amer.J.Kidney Dis.*, 7:318-23.

Immunologic and Connective Tissue Disorders . Lupus, Vasculitis, Sarcoid, Bechet's

Bluestein, H.G. 1987. Neuropsychiatric Manifestations of Systemic Lupus Erythematosus (Editorial) *N. Engl. J. Med.* 317:309-10.

Delaney, P.: Neurologic Manifestations in Sarcoidosis: Review of the Literature with a Report of 32 Cases. *Annals Intern.Med.*, 87:336-45, 1977.

Lim, L., Ron, M.A., Ormerod, I.E.C., David, J., Miller, D.H., et al. 1988. Psychiatric and Neurological Manifestations in Systemic Lupus Erythematosus. *Quart.J.Med.*, 66:27-38.

McCune, W.J., McGuire, A., Aisen, A., and Gebarski, S. 1988. Identification of Brain Lesions in Neuropsychiatric Systemic Lupus Erythematosus by Magnetic Resonance Scanning. *Arthritis Rheum.* 31:159-169.

O'Duffy, J.D. 1990. Bechets Syndrome. *N.Engl.J.Med.* 322:326-27.

Nadeau, S. E. 2002. Neurologic complications of systemic vasculitis. *Neurologic clinics.* 20:123-150.

Nadeau, S. E. 2002. Neurologic manifestations of connective tissue disease. *Neurologic Clinics:* 20:151-178.

Sigal, L.H. 1987. The Neurological Presentation of Vasculitic and Rheumatologic Syndromes. *Medicine*, 66:157-80.

Remote Neurologic Manifestations of Malignancy. Paraneoplastic Syndromes.
Refer also to chapter 20 for cerebellar syndrome.

Anderson, N.E., Rosenblum, M.K., Grous, F., Wiley, R.O. and Posner, J.B. 1988. Autoantibodies in Paraneoplastic Syndromes Associated with Small Cell Lung Cancer. *Neurology*, 38:1391-8.

Anderson, N.E., Rosenblum, M.K. and Posner, J.B. 1988. Paraneoplastic Cerebellar Degeneration: Clinical Immunological Correlations. *Ann.Neurol.*, 24:559-567.

Brain, W.R. and Wilkinson, M. 1965. Subacute Cerebellar Degeneration Associated with Neoplasms. *Brain*, 88:465-78.

Clouston, P.D., DeAngelis, L.M., and Posner, J.B. 1992. The Spectrum of Neurological Disease in Patients With Systemic Cancer. *Annals Neurol.*, 31:268-273.

Dalmau, J., Furneaux, H.M., Rosenblum, M.K., Graus, F., and Posner, J.B. 1991. Detection of the Anti Hu Antibody in Specific Regions of the Nervous System and Tumor From Patients with Paraneoplastic Encephalomyelitis/Sensory Neuronopathy. *Neurology*, 41:1757-1764.

Dropcho, E.J. 2002, Remote neurologic manifestations of cancer. *Neurologic Clinics*. 20: 85- 122.

Furneaux, H.M., Rosenblum, M.K., Dalmau, et al. 1990. Selective Expression of Purkinje-Cell Antigens in Tumor Tissue from Patient with Paraneoplastic Cerebellar Degeneration. *N. Engl. J. Med.* 322:1844-51.

Henson, R.A., Urich, H. 1982. *Cancer and the Nervous System*. London, Blackwell Scientific.

Jones, H.R., Jr., and Richardson, E.P., Jr. 1990. A 45-Year-Old Woman with Hodgkins Disease and a Neurological Disorder. Case Records of the Massachusetts General Hospital. Case #8-1990 (Acute Paraneoplastic Sensory Ganglionitis). *N. Engl. J. Med.* 322:531-543.

Koroshetz, W.J., and McKee, A.C. 1988. A 76-Year-Old Woman with Confusion, Agitation and a Gait Disorder. Case Records of the Massachusetts General Hospital Case #39-1988. *N.Engl.J.Med.*, 319:849-860.

(Paraneoplastic Encephalitis Limbic and Brain Stem Encephalitis). Posner, J.B., and Furneaux, H.M. 1990. Paraneoplastic Syndromes (in) B.H.Waksman *Immunologic Mechanisms in Neurologic and Psychiatric Disease*. New York, Raven Press, pp.187-219.

DISORDERS OF MYELIN

Leukodystrophies

Delong, GR., Haperin, J.J., and Richardson, E.P.Jr. 1982. A 15-Year-Old Boy with Slowly Progressive Dementia: Case Records of the Massachusetts General Hospital Case #5-1982, (Adrenoleuko-dystrophy with Peripheral Neuropathy). *N. Engl. J. Med.* 306:286-93.

Krivit, W., Shapiro, E., Kennedy, W., Lipton, M., et al. 1990. Treatment of Late Infantile Metachromatic Leukodystrophy by Bone Marrow Transplantation. *N. Engl. J. Med.* 322:28-32.

Menkes, J.H. 1990. The Leukodystrophies (Editorial). *N. Engl. J. Med.* 322:54-44.

Sadeghi-Nejad, A., and Senior, B. 1990. Adrenomyeloneuropathy Presenting as Addison's Disease in Childhood. *N. Engl. J. Med.* 322:13-16.

Multiple Sclerosis: see also chapters 9(Spinal cord) and 13(Brain stem).

General

Matthews, W.B., Compston, A. Allen, and C. N. Martyn (Ed). 1991. *McAlpine's Multiple Sclerosis* Edinburgh, Churchill Livingstone. Noseworthy, J. H. and C. Lucchinetti. 2000. Medical progress: Multiple sclerosis. 343:938-952.

Paty, D. W. and G. C. Ebers.(Ed.) 1997. *Multiple Sclerosis*. Philadelphia. F.A. Davis.

Specific

Beck, R.W., Cleary, P.A., Anderson, M.M., Jr., et al. 1992. A randomized. Controlled Trial of Corticosteroids in the Treatment of Acute Optic Neuritis. *N.Engl.J.Med.* 356:581-8.

Buckley, C., Kennard, C., and Swash, M. 1982. Treatment of Acute Exacerbations of Multiple Sclerosis with Intravenous Methyl-prednisolone. *J.Neurol.Neurosurg.Psychiat.* 45:179-180.

- Confavreux, C., Aimard, G., Devic, M. 1980. Course and Prognosis of Multiple Sclerosis Assessed by the Computerized Data Pro-cessing of 349 Patients. *Brain*, 103:281-300.
- Dowling, P.C., Bosch, V.V., and Cook, S.D. 1980. Possible Beneficial Effect of High-Dose Intravenous Steroid Therapy in Acute Demyelinating Disease and Transverse Myelitis. *Neurology*, 30(20):33-36.
- Ebers, G.C., Bulman, D.E., Sadovnick, A.D., et al. 1986. A Population-Based Study of Multiple Sclerosis in Twins. *N. Engl. J. Med.* 315:1638-1642.
- IFNB Multiple Sclerosis Study Group. 1993. Interferon beta - 1b is effective in relapsing remitting multiple sclerosis. I: Clinical results of a multicenter randomized double blind placebo controlled clinical trial. *Neurology*. 43:655-661, 662-667.
- Kupersmith, M.J., D.Kaufman, D.W. Paty, et al. 1994 (Editorial) Megadose corticosteroids in multiple sclerosis. *Neurology*. 44:1-4.
- Lessell, S. 1992. Corticosteroid Treatment of Acute Optic Neuritis. *N.Engl.J.Med.*, 326:634-5.
- Miller, D., Rudge, P., Johnson, G., et al. 1988. Serial Gadolinium Enhanced Magnetic Resonance Imaging in Multiple Sclerosis. *Brain*. 111:927-39.
- Morrissey, S.F., D.H.Miller, B.E.Kendall. 1993. The significance of brain magnetic resonance imaging abnormalities at presentation with clinically isolated syndromes suggestive of multiple sclerosis. A five year follow-up. *Brain*. 116:135-146.
- Newcombe, J., Hawkins, C.P., Henderson, C.L., et al. 1991. Histopathology of Multiple Sclerosis Lesions Detected by Magnetic Resonance Imaging in Unfixed Post-Mortem Central Nervous System Tissue. *Brain*, 114:1013-1024.
- Paty, D.W., D.K.B.Li, UBCMS/MRI Study Group, IFNB Multiple Sclerosis Study Group. Interferon beta - 1b is effective in relapsing remitting multiple sclerosis. II. MRI analysis results of a multicenter randomized double blind placebo controlled trial. *Neurology*. 43:662-667.
- Phadke, J.G. 1990. Clinical aspects of multiple sclerosis in Northeast Scotland with particular reference to its course and prognosis. *Brain*. 113:1597-1628.
- Phadke, J. and P. Best. 1983. Atypical and clinically silent multiple sclerosis: a report of 12 cases discovered unexpectedly at autopsy. *J. Neurol. Neurosurg. Psychiat.* 46:414- 420.
- Phadke, J. and A. W. Downie. 1987. Epidemiology of multiple sclerosis in the northeast (Grampian Region) of Scotland: an update. *J. Epidemiol. Community Health*. 41:5-13.
- Rudick, R. A., J.A. Cohen, B. Weinstock- Guttman, et al. 1997. Management of multiple sclerosis. *N. Engl. J. Med.* 337:1604-1611.
- Runmaker, B. and O. Andersen. 1993. prognostic factors in a multiple sclerosis cohort with twenty-five years of follow-up. *Brain*. 116:117-134.
- Weiner, H.L. 1987. COP 1 Therapy for Multiple Sclerosis (Editorial). *N. Engl. J. Med.* 317:442-443.
- Weiner, H.L., and Hafler, D.A. 1988. Immunotherapy of Multiple Sclerosis - Neurological Progress. *Annals Neurol.*, 23:211-222.
- Weinshenker, B.C., Bass, B., Rice, G.P.A., et al. 1989. The Natural History of Multiple Sclerosis: A Geographically Based Study. (I.) Clinical Course and Disability. *Brain*, 112:133-146.

Weinshenker, B.G., Rice, G.P.A., Noseworthy, et al. 1991. The Natural History of Multiple Sclerosis: A Geographically Based Study. (3.) Multivariate Analysis of Predictive Factors and Models of Outcome. *Brain*, 114:1045-56.

Weinshenker, B.G., Rice, G.P.A., Noseworthy, J.H., et al. 1991. The Natural History of Multiple Sclerosis: A Geographically Based Study. (4.) Applications to Planning and Interpretation of Clinical Therapeutic Trials. *Brain*, 114:1057-1068.

Whitaker, J. N. 1998. Effects of pregnancy and delivery on disease activity in multiple sclerosis. (Editorial). *N. Engl. J. med.* 339:339-340.

Post infectious demyelination:

Arnason, B.G.W. 1987. Neuroimmunology (Editorial). *N.Engl.J.Med.*, 316:406-408.

Hemachudha, T., Griffin, D.E., Giffels, J.J., et al. 1987. Myelin Basic Protein as an Encephalitogen in Encephalomyelitis and Polyneuritis Following Rabies Vaccination. *N.Engl.J.Med.*, 316:369-74

Stewart, W.A., Alvord, E.C., Jr., Hruby, S., et al. 1991.: Magnetic Resonance Imaging of Experimental Allergic Encephalomyelitis in Primates. *Brain*, 114:1069-96.

CHAPTER 29: DISORDERS OF CONSCIOUSNESS

PART I SEIZURES AND EPILEPSY

GENERAL, CLASSIFICATION AND HISTORICAL

Browne, TR and GL Holmes. 2001. *Epilepsy*. *N Engl J Med*. 344:1145-1151

Commission on Classification and Terminology International League Against Epilepsy. Proposal for Classification of Epilepsies and Epileptic Syndromes. 1985. *Epilepsia*, 26:268-78.

Delgado-Escueta, A.V., Ward, A., Woodbury, D.M., Porter, R.J. 1986; Basic Mechanisms of the Epilepsies - Molecular and Cellular Approaches (*Advances in Neurology*, 44), N.Y., Raven Press, 1:120p.

Delgado-Escueta AV, Olsen RW, Wilson WA and Porter RJ (Eds) 1999. *Jasper's Basic Mechanisms of the Epilepsies* Third Edition : *Advances in Neurology* Vol. 79. Philadelphia : Lippincott Williams and Wilkins.

Dreifuss, F.E.: International League Against Epilepsy Proposal for Revised Clinical and Electroencephalographic Classification of Epileptic Seizures. 1981. *Epilepsia*, 22:489.-501

Engel, J. Jr. and T.A Pedley. (Eds.) 1998. *Epilepsy: A Comprehensive Textbook*. Vol I-III. Philadelphia. Lippincott Raven.

Gibbs, F.A., Davis, H., and Lennox, W.G. 1935. The Electroencephalogram in Epilepsy and in Conditions of Impaired Consciousness. *Arch. Neurol. Psychiat.* 34:1133-1148..

Gibbs FA, Gibbs EL. 1952. *Atlas of Electroencephalography*. Vol II *Epilepsy*. Cambridge Massachusetts: Addison Wesley Press, pp422.

Gloor, P. -(Editor & Translator) 1969. Hans Berger: On the Electroencephalogram of Man. *Electroen. Clin. Neurophys.*, Supple. 28.

Jasper, H.H., and Kershman, J. 1941. Electroencephalographic Classification of the Epilepsies. *Arch. Neurol. Psychiat.*, 45:903..

Luders, HO and S. Nochtar. (Eds.) 2000. *Epileptic Seizures, Pathophysiology and Clinical Semiology*. New York. Churchill Livingstone.

Muskens,L.J.J. 1928. Epilepsy: Comparative Pathogenesis. Symptoms.Treatment. N.Y., William Wood and Company,.

Porter, RJ. And D. Chadwick.(Eds).1997. The Epilepsies 2.Boston Butterworth Heinemann

Prince,D.A.1978.. Neurophysiology of Epilepsy. Ann.Rev.Neurosci. 1:395-415.

Purpura,D.P., Penry,J.K., Tower,D.B., Woodbury,D.M., Walter,R.D. (Ed.). 1972. Experimental Models of Epilepsy, N.Y. Raven Press, 615 pp

Temkin,O. 1945.The Falling Sickness, Baltimore, Johns Hopkins Press, 380pp.

Tharp, B.R. 1986.Neonatal and Pediatric Electroencephalography (in) Aminoff, M.J. (Ed.): Electrodiagnosis in Clinical Neurology - 2nd Ed., N.Y., Churchill & Livingstone,pp.77-124..

Tyner,F.S., Knott,J.R., and Mayer,W.B.Jr.1983.Fundamentals of EEG Technology - Vol.1 Basic Concepts and Methods, N.Y. Raven Press, 320 pp.

Wyllie,E (Ed.) 1997.The Treatmentof Epilepsy: Principles and practice. 2nd edition. Baltimore. Williams and Wilkins.

SPECIFIC REFERENCES AND CITATIONS.

Ajmone-Marsan, C. .1969. Acute Effects of Topical Epileptogenic Agents (in) Jasper,H.H., Ward,A.A., and Pope,A. (Ed.): Basic Mechanisms of the Epilepsies, Boston, Little, Brown & Co.

Andermann,F. 1990.Unanswered Clinical Questions in Generalized Epilepsy (in) Avoli,M., Gloor,P., Kostopoulos,G., Naquet,R. (Eds.) Generalized Epilepsy: Neurobiological Approaches, Boston, Birkhauser, pp.30-35.

Annegers,J.F., Shirts,S.B., Hauser,W.A., ad Kurland,L.T.1986. Risk of Recurrence After an Initial Unprovoked Seizure. Epilepsia,27,43-50.

Arcelli P,Frasconi MC,Regondi MC,De Biasi S,Spreafico R. 1997. GABAergic neurons in mammalian thalamus: A marker of thalamic complexity. Brain Research Bulletin;42:27-37.

Avoli,M., Gloor,P., and Kostopoulos,G. 1990. Focal and Generalized Epileptiform Activity in the Cortex: In Search of Differences in Synaptic Mechanisms in Ionic Movements and Long-Lasting Changes in Neuronal Excitability (in) Avoli,M., Gloor,P., Kostopoulos,G., Naquet,R.(Eds.): Generalized Epilepsy: Neurobiological Approaches, Boston, Birkhauser,pp.213-231.

Babb TL,Pretorius JK.Pathologic substrates of epilepsy. 1997.In:Wyllie E(Ed)The Treatment of Epilepsy:Principles and Practice 2nd Ed.Baltimore:Williams &Wilkins.;106-121.

Barclay J and Rees M. 1999. Mouse models of spike-wave epilepsy,Epilepsia;40(Suppl 3):17-22.

Berkovic,S.F., Andermann,F., Andermann,E., and Gloor,P.1987. Concepts of Absence Epilepsy: Discrete Syndromes or Biological Continuum? Neurology, 37:993-1000.

Berkovic,S.F., Andermann,F., Carpenter,S., et al.1986. ProgressiveMyoclonus Epilepsies: Specific Cases and Diagnosis. N.Engl.J.Med., 315:296-305.

Berkovic,S.F., So,N.K., Andermann,F.1991. Progressive MyoclonusEpilepsies: Clinical and Neurophysiological Diagnosis. J.Clinical Neurophysiol., 8:261-74.

Buchhalter,J.1993. The Pathophysiology of The Genetic Epilepsies:What Have We Learned From Animal Models? *Epilepsia* 34:S31-S41.

Carlen,D.L., Daviews,M.F., Rougier-Naquet,I., Reynolds,J.N., and Spigelman,I. 1990. Sedative Drug Withdrawal Seizures: Cellular Electrophysiological Mechanisms (in) Avoli,M., Gloor,P., Kostopoulos,G., Naquet,R. (Eds): *Generalized Epilepsy: Neuro-biological Approaches*, Boston, Birkhauser,pp.460-470.

Caveness WF.Ontogeny of focal seizures.1969.In:Jasper HH,Ward AA and Pope A(Eds)*Basic Mechanisms of the Epilepsies*.Boston:Little Brown.;517-534.

Chugani,H.T., Showman,D.A., Sankar.R., Chen, B.C., Phelps,M.E. 1992.Infantile Spasms. II. Lenticular Nuclei and Brain Stem Activation on Positron Emission Tomography. *Ann.Neurol.* 31: 212-219.

Genton P. 1995. Epilepsy with 3 hz spike and waves without clinically evident absences.In:Duncan JS,and Panayiotopoulos CP(Eds)*Typical Absences and Related Epileptic Syndromes*.Edinburgh:Churchill Livingstone International:231-238.

Connors BW. 1998. Neocortical anatomy and physiology.In:Engel J Jr and Pedley TA(Eds)*Epilepsy:A Comprehensive Textbook*.Philadelphia:Lippincott-Raven.;307-321

Dam,A.M., Fuglisa ng-Frederiksen.A., Svarpe-Olsen.U., and Dam, M. 1985.Late Onset Epilepsy: Etiologies, Types of Seizures, Value of Clinical Investigation, EEG and Computerized Tomography Scan. *Epilepsia*. 26:227-231.

Delgado-Escueta,AV,DA.Greenberg L.Treiman et al . 1989. .Mapping the Gene for Juvenile Myoclonic Epilepsy. *Epilepsia*, 30:Suppl.4:S8-S18

Delgado-Escueta,A.V., Janz,D., Beck-Mannagetta,G. 1992.Pregnancy & Teratogenesis in Epilepsy. *Neurology*, 42:Suppl.5,#4,p.1-160.

Delgado-Escueta,A.V. 1982.Status Epilepticus. *N.Engl.J.Med*.306:1337-40.

Delgado-Escueta AV,Olsen RW,Wilson WA,Porter RJ. 1999;Introduction to the idiopathic epilepsies.In:Delgado-Escueta AV,Olsen RW,Wilson WA and Porter RJ (Eds)*Jasper's Basic Mechanisms of the Epilepsies Third Edition* :Advances in Neurology Vol 79.Philadelphia :Lippincott Williams and Wilkins 219-225.

Delgado-Escueta,A.V., Wasterlain,C.G., Treiman,D.M., Porter, R.J.(Eds). 1983..*Advances in Neurology Volume 34 - Status Epilepticus*, New York, Raven Press.

Doose,H and HJ Gerken.1973. On the genetics of EEG anomalies in childhood IV. Photocnulsive reaction.*Neuropedia*. 4:57-75.

Doose,H., Gerken.H.J., Horstman.T., et al: 1973. Genetic Factors in Spike Wave Absences.*Epilepsia*. 14:57-75..

Dreifuss.F.E. 1989. Juvenile Myoclonic Epilepsy: Characteristics of a Primary Generalized Epilepsy. *Epilepsia*. 30:(Suppl.4)S1-7.

Ebersole.J.S. 1987. Physiological Substrates of Normal and Abnormal EEG Activity (in) Markand.O.M., and Brenner: *Annual Course Syllabus: State of the Science in Clinical EEG and Electrophysiology - Atlanta American EEG Society*. Vol.1

Ebersole.J.S., and Chatt,A.B. 1986.Spread and Arrest of Seizures:The Importance of Layer 4 in Laminar Interactions During neocortical Epileptogenesis (in) Delgado-Escueta,A.V. Ward,A.A., Woodbury.D.M. and Porter,R.J. *Basic Mechanisms of the Epilepsies Molecular and Cellular Approaches (Advances in Neurology, Vol.44)*,N.Y.,Raven Press, Vol.1,pp.545-558.

Engel,J.,Jr.: *Seizures and Epilepsy*. Philadelphia, F.A.Davis1989: Chapter 4: Basic Mechanisms of Epilepsy,pp.71-111.

Fahn.S., Marsden.C.D., and VanWoert.M.H. (Ed).1986..Myoclonus. N.Y.Raven Press.

Gale.K. 1990. Animal Models of Generalized Convulsive Seizures:Some Neuroanatomical Differentiation of Seizure Types (in) Avoli.M., Gloor.P., Kostopoulos.G., Naquet.R. (Eds.): Generalized Epilepsy; Neurobiological Approaches. Boston, Birkhauser,pp.329-343.

Gastaut.H., Roger,J., Soulayrol,R., Tassinari,C.A., et al. 1966.: Childhood Epileptic Encephalopathy with Diffuse Slow Spike Waves (otherwiseknown as Petit Mal Variant or Lennox Syndrome).Epilepsia. 7:139-79.

Gastaut.H., Gastaut.Y., Concalves.J.L.,et al. 1975. Relative Frequency of Different Types Epilepsy AStudy Employing the Classification of the International LeagueAgainst Epilepsy. Epilepsia. 16:457-461..

Genton P. 1995Epilepsy with 3 hz spike and waves without clinically evident absences. In:Duncan JS,andC PPanayiotopoulos (Eds) Typical Absences and Related Epileptic Syndromes.Edinburgh:Churchill Livingstone International:231-238.

Gloor.P., Avoli,M., and Kostopoulos,G. 1990. Thalamocortical Relationships in Generalized Epilepsy with Bilateral Synchronous Spikeand Wave Discharges (in) Avoli.M., Gloor.P.,Kostopoulos, G.,Naquet, R. (Eds) : Generalized Epilepsy: Neurobiological Approaches.Boston, Birkhauser,pp.190-212.

Gloor,P., Ball,G., Schul,N. 1977.Brain Lesions that Produce Delta Waves in the Electroencephalogram. Neurology, 27:326-33..

Goddard, G.V.1967. The Development of Epileptic Seizures Through Brain Stimulation at Low Intensity. Nature, 214:1020-21..

Hauser,W.A. 1986. Should People Be Treated After a First Seizure? Arch.Neurol., 43:1287-8.

Hunter J, Jasper HH. 1949;. Effects of thalamic stimulation in unanaesthetised animals . Electroencephalog Clin Neurophysiol 1:305-324.

Ingvar,D.H. 1955. Electrical Activity of Isolated Cortex in the Unanesthetized Cat with Intact Brain Stem. Acta.Physiol.Scand., 33: 151-168.

Jacobson,S., and Marcus,E.M.1970.The Laminar Distribution of Fibers of the Corpus Callosum: A Comparative Study in the Rat, Cat, Rhesus Monkey and Chimpanzee. Brain Research,24:517-20.

Janqua,N.A., and Andermann,E. 1989.Amino Acids in the Epilepsies (in) Janz,D., et al (Eds): Genetics of the Epilepsies, Heidelberg, Spinger Verlag,

Janqua,N.A., Metrakos,J.D., and VanGelder,N.M. 1982. Plasma AminoAcids in Epilepsy (in) Anderson,V.E., Hauser,W.A., Penry,J.K.,and Sing,C.F. (Eds.): Genetic Basis of the Epilepsies, N.Y.Raven Press, pp.181-197.

Janz,D., Christian,W. 1957. Impulsive Petit Mal.Dtsch.Z.Nervenheilk 176:346-86

Janz,D., Dam,M., Richens,A., et al (Eds).1982. Epilepsy Pregnancy and the Child, N.Y., Raven Press,pp. 552,. [See in particular Chapters by Janz,D.: On MajorMalformations and Minor Anomalies in the Offspring of Parents with Epilepsy. Also, Chapter by Andermann,E.)

Jasper, H. H.: Mechanisms of Propagation:Extracellular Studies (in) Basic Mechanisms of the Epilepsies (Ed) Jasper, H. H., Ward, A.A., Jr., & Pope, A.: Boston, Little & Brown, pp. 421-438, 1969.

- Jasper,H.H. 1990. .Historical Background (in) Avoili,M., Gloor,P.,Kostopoulos,G., Naquet,R. (Eds): Generalized Epilepsy: Neuro-biological Approaches, Boston, Birkhauser,pp.1-5.
- Jasper,H.H., and Droogleever-Fortuyn, J. 1946. Experimental Studies on the Functional Anatomy of Petit Mal Epilepsy. Assoc.Res. Nerv.Dis. Proc., 26:272-298.
- Jennett, W.B. 1975. Epilepsy After Blunt Head Injury - 2nd Ed.,London, Wm.Heinemann.
- Julien RW,,Fowler GW,Danielson MG. 1975. The effects of antiepileptic drugs on estrogen-induced electrographic spike wave discharge,J Pharmacol Exp Ther;193:647-656.
- Juul-Jensen,P., Foldspars,A.1983. Natural History Epileptic Seizures. Epilepsia, 24:297-312.
- Killam KF,Killam Ek ,Naquet R. 1967. An animal model of light sensitive epilepsy,Electroencephalog Clin Neurophysiol;22:497-513.
- Killiam,K.F., Naquet,R., and Bert,J. 1966. .Paroxysmal Responses to Intermittent Light Stimulation in a Population of Baboons (Papio Papio). Epilepsia, 7:215-219.
- Loiseau,P.1985. Childhood Absence Epilepsy (in) Roger,J., Dravet, C., Bureau,M., Dreifuss,F.E., and Wolf,P. (Eds): Epileptic Syndromes in Infancy, Childhood and Adolescence, London, John Libbey, pp.106-120.
- Luhdorf,K., Jensen,L.K., Plesner,A.M.1988. Etiology of Epilepsyin the Elderly. Epilepsia, 27:459-63, 1986. of forebrain,brain stem and spinal cord,Epilepsia;29:379-388.
- Magistris, MR, MS Mouradian, and P Gloor. 1988; Generalized convulsions induced by pentylenetetrazol in the cat: participation of forebrain, brainstem and spinal cord. Epilepsia.29: 379-88.
- Marcus,E.M. 1972. Experimental models of petit mal epilepsy.(In) Purpura,D.P., JK Penry,DB Tower, DM Woodbury and RD Walter. (Ed).Experimental Models of Epilepsy. New York Raven Press.pp113-146.
- Marcus,E.M. 1985. Generalized Seizure Models and the Corpus Callosum (in) Reeves,A.(Ed.): Epilepsy and the Corpus Callosum N.Y., Plenum Press,pp.131-206.
- Marcus,E.M. and Watson, C.W. 1966. Bilateral Synchronous Spike WavePatterns in the Cat. Arch.Neurol., 14:601-10.
- Marcus,E.M., and Watson,C.W. 1968. Bilateral Symmetrical Epileptogenic Foci in Monkey Cerebral Cortex: Mechanisms of Interaction and Regional Variations in Capacity for Synchronous Spike Slow Wave Discharges. Arch.Neurol., 19:99-116.
- Marcus,E.M., Watson,C.W., and Jacobson,S. 1969.Role of The CorpusCallosum in Bilateral Synchronous Discharges Induced by Intravenous Pentylenetetrazol. Neurology, 19:309.
- Marcus,E.M., Watson,C.W., and Simon,S.A. 1968. An Experimental Model of Some Varieties of Petit Mal Epilepsy. Epilepsia,9:233-248,.
- Marseille Consensus Group. 1990.Classification of Progressive Myo-clonus Epilepsies and Related Disorders. Ann.Neurol.,28:113-6.
- Mattson,R.H. 1990.Alcohol Related Seizures (in) Porter et al (Eds) Alcohol and Seizures: Basic Mechanisms and Clinical Concepts.Philadelphia, F. A.Davis, pp.143-147.
- Mattson,R.H., Cramer,J.A., Collins,J.F., Smith,D.B., Delgado-Escueta,V., Browne,T.R., et al: Comparison of Carbamazepine, Phenobarbital, Phenytoin and Primidone in Partial and Secondarily Generalized Tonic Clonic Seizures. N.Engl.J.Med.,313:145-51, 1985.

- Mattson,R.H., Cramer,J.A., Collins,J.F., and The Department of Veterans Affairs Epilepsy Cooperative Study No.264 Group..1992. A Comparison of Valproate with Carbamazepine for the Treatment of Complex Partial Seizures and Secondly Generalized Tonic Clonic Seizures in Adults. *N.Engl.J.Med.*,327:765-71
- McDonald JW, Garofalo EA, Hood T, Sackellares JC, Gilman S, et al. 1991, Altered Excitatory and Inhibitory Amino Acid Receptor Binding in Hippocampus of Patients with Temporal Lobe Epilepsy,*Ann.Neurol*;29:529-41.
- McNamara JO. 24 June 1999. Emerging insights into the genesis of epilepsy,*Nature*; Supp:A15-A22.
- McQueen JK,Woodbury DM. 1975;Attempts to produce spike wave complexes in the electrocorticogram of the rat. *Epilepsia* 16:295-299.
- Mayersdorf A and Schmidt RP(Eds) 1982.Secondary Epileptogenesis.New York:Raven Press.
- Meencke,H.J. 1984. Neuron Density in the Molecular Layer of the Frontal Cortex in Primary Generalized Epilepsy *Epilepsia*, 26:450-4. (See also 1985. *Epilepsia* 25:8-21).
- Meencke HJ. 1996. Pathological findings in childhood absence epilepsy.In:TypicalAbsences and Related Epileptic Syndromes. Edinburgh: Churchill Livingstone 122-132.
- Meencke,H.J., and Janz,D. 1985.The Significance of Microdysgenesis in Primary Generalized Epilepsy: An Answer to the Considerations of Lyon and Gastaut. *Epilepsia*. 26:368-371.
- Metrakos K,Metrakos JD. 1961. Genetics of convulsive disorders:Part2:Genetic and EEG studies in centrencephalic epilepsy,.*Neurology*;11:474-483.
- Meyer,J.S., Charney,J.Z., Rivera,V.M. and Mathea,N.J. 1971. Seizures following Cerebral Embolization. *Stroke*, 2:541-554..
- Mirsky.A.F., and Duncan.C.C .1990. Behavioral and Electrophysiological Studies of Absence Epilepsy (in) Avoli,M., Gloor.P.,Kostopoulos,G., Naquet.R. (Eds): *Generalized Epilepsy: Neurobiological Approaches*. Boston, Birkhauser,pp.254-269.
- Morrell.F. 1959/1960.Secondary Epileptogenic Lesions. *Epilepsia*. 1:538-560,.
- Morrell,F..1991. The Role of Secondary Epileptogenesis in HumanEpilepsy - Editorial. *Arch.Neurol* 48:1221-24
- Moshe SL and Sperber EF1990.Substantia nigra mediated control of generalized seizures.In:Avoli M,Gloor P,Kostopoulos G and Naquet R.(Eds)*Generalized Epilepsy:Neurobiological Approaches*.Boston:Birkhauser, 355-367.
- Musgrave.J., and Gloor.J. 1980. The Role of the Corpus Callosum in Interhemispheric Synchrony of Spike and Wave Discharge inFeline Generalized Penicillin Epilepsy. *Epilepsia*.21:369-78.
- Mutani.R., Bergamini,L., Fariello.R., and Quattrocio.G. 1973. Bilateral Synchrony of Epileptic Discharge Associated with Chrcnic Asymmetrical Cortical Foci. *Electroencephalo.Clin.Neurophysiol*.34:53-59.
- Mutani.R., and Fariello,R. 1969. Effeti Enetroencefalografice Comportamental d Foci Epileptogen Sperimentali Cronici Depositi in Modo Bilaerale e Simmetrico Sulla Corteccia del Gatto. *Riv. Neurol.*. 39:521-29Naquet.R., and
- Naquet R, Valin A. Focal discharges in photosensitive generalized epilepsy In: Avoli M,Gloor P, Kostopoulos G and Naquet R(Eds) *Generalized Epilepsy: Neurobiological Approaches*, Boston:Birkhauser;273-285.

Naquet.R., and Wada, J.A. .1992 . Role of the Corpus Callosum In Photosensitive Seizures of the Epileptic Baboon (in) Chauveil P., Delgado-Escueta.V., Halgren,E., and Bancaud.J.(Eds): Frontal Lobe Seizures and Epilepsies,. N.Y..Raven Press.pp.579-587

Obesco.J.A., Artieda.J., Rothwell,J.C., Day,B., Thompson,D., Neckelmann D,Amzica F,Steriade M. 1998;.Spike-wave complexes and fast components of cortically generated seizures.III Synchronizing mechanisms, J Neurophysiol 80:1480-1494.

Ottino,C.A., Meglio,M., Rossi.G.F., Tercero,E.1971.An Experimental Study of the Structures Mediating Bilateral Synchrony of Epileptic Discharges of Cortical Origin. Epilepsia,12;299-311.

Pedley,T.A. 1988. Discontinuing Anti-Epileptic Drugs (Editorial)N.Engl.J.Med. . 318:982-84,

Pollen,D.A.1964. Intracellular Studies of Cortical Neurons During Thalamic Induced Wave and Spike. Electroenceph.Clin.Neurophysiol.. 17:57-67.

Prasad AN,Prasad C,Stafstrom CE. 1999. Recent advances in the genetics of epilepsy:insights from human and animal studies, Epilepsia;40:1329-1352.

Prince,D., and Farrell.D. 1968."Centrencephalic" Spike Wave Discharges Following Parenteral Penicillin Injection in the Cat. Neurology, 19:309-10.

Quesney,L.F., Andermann,F., Gloor.P.1981. Dopaminergic Mechanism in Generalized Photosensitive Epilepsy. Neurology, 31:1542-4.

Quesney,L.F., and Reader,T.A. 1990. Role of Dopamine in Generalized Photosensitive Epilepsy: Electroencephalographic and Biochemical Aspects (in) Avoli,M., Gloor.P., Kostopoulos.G., Naquet.R. (Eds): Generalized Epilepsy Neurobiological Approaches, Boston,Birkhauser, pp. 298-313..

Ribak, C.E. 1986. Neurocytology and Chemistry of Focal Epilepsy (in) Pedley,T.A., and Meldrum,B.S. (Ed.): Recent Advances inEpilepsy, 3:1-17.

Rodin,E., Onuma,T., Wasson,S., Prozak,J., and Rodin,M. 1971. Neuro-physiological Mechanisms Involved in Non-focal Grand Mal Seizures Induced by Metrazol and Megimide. Electroenceph.Clin.Neurophysiol., 30:62-72.

Schmidt,D. 1986.Toxicity of Anti-Epileptic Drugs (in) Pedley,T.A.,and Meldrum,B.S.: Recent Advances in Epilepsy, 3:211-232,Edinburg, Churchill/Livingstone.

Selzer,M.E., and Richter,M.A. 1992. Cellular Pathophysiology andPharmacology of Epilepsy (in) Asbury,A.K., McKhann,G.M.,McDonald, W.I. (Eds): Disease of the Nervous System: Clinical Neurobiology - 2nd Ed., Philadelphia, pp.916-35.

Shinnar,S., Vining,E.P.A., Mellits,E.D.et al. 1985.DiscontinuingAnti-Epileptic Medication in Children with Epilepsy After 2Years Without Seizures: A Prospective Study. N.Engl.J.Med.,313:976-80.

Silva-Barrat,C., and Menini,C.H. 1990. Photosensitive Epilepsy of the Baboon: A Generalized Epilepsy with Motor Cortical Origin(in) Avoli,M., Gloor,P., Kostopoulos,G., Naquet,R. (Eds):Generalized Epilepsy: Neurobiological Approaches, Boston, Birkhauser, pp. 286.

Snead OC III. 1994. Pathophysiological mechanisms of experimental generalized absence in rats.In:Malafosse A,Genton P,Hirsh E,Maresceau D,Broglin D and Bernasconi R(Eds)Idiopathic Generalized Epilepsies:clinical,Experimental and Genetic Aspects.London:John Libbey;133-150.

Souronder,P.and Sjogren,H. 1970. The Concept of Alzheimer's Diseaseand Its Clinical Implications (in) Wolstenholme,P.F.W., and O'Connor, M. (Eds): Alzheimer's Disease and Related Conditions Ciba Foundation

Symposium. London, J.A. Churchill, pp. 11-32. [See also in same Symposium: Jacob, H.: Muscular Twitchings in Alzheimer's Disease, pp. 75-93]

Spencer SS, Spencer DD, Glaser GH, Williamson PD, Mattson. 1984. More intense focal seizure types after callosal section: The role of inhibition. *Ann Neurol*; 16:686-693.

Starzl TE, Niemer WT, Dell M and Fosgrave PR. 1953 Cortical and subcortical electrical activity in experimental seizures induced by Metrazol. *J Neuropath Exp Neurol* 1953; 12:262-276.

Steinlein OK. 1999. Idiopathic epilepsies with a monogenic mode of inheritance. *Epilepsia* 40(Suppl.3):9-11.

Steriade M, Amzica F, Neckelmann D, Timofeev. 1998. I. Spike-wave complexes and fast components of cortically generated seizures. II. Extra and intracellular patterns. *J Neurophysiol* 80:1456-1479.

Steriade M, Contreras D. 1998. Spike-wave complexes and fast components of cortically generated seizures. I. Role played by neocortex and thalamus. *J Neurophysiol*; 80:1439-1455.

Swann JW and Moshe SL. 1998. Developmental issues in animal models. In: Engel J and Pedley TA (Eds) *Epilepsy: A comprehensive Textbook*. Philadelphia: Lippincott-Raven, 467-479.

Taylor-Courval, D., and Gloor, P. 1984. Behavioral Alteration Associated with Generalized Spike and Wave Discharges in the EEG of the Cat. *Exp. Neurol.*, 83:167-186.

Thurston, J.H., Thurston, D.L., Hixon, B.B., Keller, A.J. 1982. Prognosis in Childhood Epilepsy: Additional Follow-up of 148 Children: 15-23 Years After Withdrawal of Anticonvulsant Therapy. *N. Engl. J. Med.*, 306:831-6.

Timofeev I, Grenier F and Steriade M. 1998. Spike-wave complexes and fast components of cortically generated seizures. *J Neurophysiol* 80:1495-1513.

VanWoert, M.H., Rosenbau, D., Howieson, Jr., and Bowers, M.B., Jr. 1977. Long-term Therapy of Myoclonus and Other Neurological Disorders with L-5 Hydroxytryptophan and Carbidopa. *N. Engl. J. Med.* 296:70-75.

Vas, G.A., and Cracco, J.B. 1990. Diffuse Encephalopathies (in) Daly, D.D., and Pedley, T.A.: *Current Practice of Electroencephalography*, N.Y., Raven Press, pp. 371-399

Velasco, F., and Velasco, M. 1990. Mesencephalic Structures and Tonic Clonic Generalized Seizures (in) Avoli, M., Gloor, P., Kostopoulos, G. et al (Eds): *Generalized Epilepsy Neurobiological Approaches*. Boston, Birkhauser, pp. 368-384

Vergnes M, and Marescaux C. 1994 Pathophysiological mechanisms underlying genetic absence epilepsy in rats. In: Malafosse A, Genton P, Hirsch E, Marescaux C, Broglin D and Bernasconi R (Eds) *Idiopathic Epilepsies: Clinical, Experimental and Genetic Aspects*. London: John Libbey; 151-168.

Vergnes, M., Marescaux, C. H., DePaulis, A., Micheletti, G., Warter, J. M. . 1990. Spontaneous Spike and Wave Discharges in Wistar Rats: A Model of Generalized Non-Convulsive Epilepsy (in) Avoli, M., Gloor, P., Kostopoulos, G., Naquet, R. (Eds): *Generalized Epilepsy: Neurobiological Approaches*, Boston, Birkhauser, pp. 238-251

Victor, M. 1990. Alcohol Withdrawal Seizures: An Overview (in) Porter, et al (Eds): *Alcohol and Seizures: Basic Mechanisms and Clinical Concepts*, Philadelphia, F.A. Davis, pp. 148-61.

Walker, A.F. 1969. The propagation of Epileptic Discharge. *Mod. Probl. Pharmacopsychiat*, Switzerland, S. Karger). Ward, A. A., Jr.: The Epileptic Neuron: Chronic Foci in Animals and Man (in) Jasper, H. G., Ward, A. A., and Pope, A. (Eds.) *Basic Mechanisms of the Epilepsies*, Boston, Little, Brown & Co., pp. 2630-288.

Watson, C. W., and Marcus, E. M. . 1962. The Genetics and Clinical Significance of Photogenic Cerebral Electrical Abnormalities, Myoclonus, and Seizures. *Transactions Amer.Neuro.Assoc.*,87:251-53.

Westbrook G L.2000. Seizures and epilepsy.In: Kandel E R, Schwartz J H and Jessell TM (Eds) *Principles of Neural Science*. New York: McGraw Hill, 910-935.

Wiebe, S, WT Blume, J P Girvin, et al. 2001. A randomized controlled trial of surgery for temporal lobe epilepsy. *N Engl J. Med.* 341: 311-8.

Wilder, B J.and Morrell, F.1967. Cellular Behavior in Secondary Epileptic Lesions. *Neurology*, 17: 1193-1204.

Wilder, B. J., and Schmidt,R.P. 1965. Propagation of Epileptic Discharge from Chronic Neocortical Foci in Monkey. *Epilepsia*, 6:297-309.

Williams D. 1953 A study of thalamic and cortical rhythms in petit mal. *Brain*;76:50-69.

Williams D. 1965. The thalamus and epilepsy.*Brain*. 88:539-556.

Woermann F G,Free S L, Koepp M J, Sisodiya SM, Duncan J S. 1999. Abnormal cerebral structure in juvenile myoclonic epilepsy demonstrated with voxel-based analysis of MRI,*Brain* 122: 2101-2107.

Woermann F G,Sisodiya SM,Free SL,Duncan JS. 1998Quantitative MRI in patients with idiopathic generalized epilepsy Evidence of widespread cerebral structural changes, *Brain*; 121: 1661-1667.

Wolf, P. 1985.Juvenile Absence Epilepsy (in) Roger, J., Dravet, C.,Bureau, M., Dreifuss, F.E., and Wolf, P. (Eds): *Epileptic Syndromes in Infancy, Childhood and Adolescence*. London, John Libbey, pp.242-246.

Woodcock,S., and Cosgrove,J.B.R. 1964. Epilepsy After the Age of 50: A 5-Year Follow-up Study. *Neurology*, 14:34-40.

BIBLIOGRAPHY CHAPTER 29- PART II SLEEP AND COMA, GENERAL REFERENCES

Aldrich, M. S. 1996. Sleep Disorders . *Neurologic Clinics*. 14: 493-674, 675-855.

Bernat,J.L. (Ed)1989: *Ethical Issues in Neurologic Practice Neurologic Clinics*: W.B.Saunders Co., Philadelphia, 7:.
(See in particular: Beresford, H.R.: *Legal Aspects of Termination of Treatment Decisions* pp.775-788.)

Bernat, J.L. 1989. Ethical Issues in Brain Death and Multiorgan Transplantation,p.715-728.

Cranford, R.E. 1990.The Neurologist as Ethics Consultant and as a Member of the Institutional Ethics Committee,p.697-714,

Gert, B., Nelson, W.A., and Culver, C.M. 1989Moral Theory and Neurology,; p.681-696..

Nelson,W.A., Bernat, J.L: Decisions to Withhold or Terminate Treatment p.759-774,1989.

Chokoverly, S. 2000. Excessive daytime somnolence. (In Bradley,WG ,et al (Eds.).*Neurology in Clinical Practice* (See Below) 59-70.

Chokoverly,S.2000. Sleep disorders.(In). Bradley,WG, et al. *Neurology in Clinical Practice*. Boston Butterworth Heiemann.pp1781-1828.

Culebras, A.(Ed.) . 1992 The Neurology of Sleep. *Neurology*, 42: (Suppl.6), pp.1-94.

Plum, F., and Posner, J.B.1980. *The Diagnosis of Stupor and Coma* Edit.3, Philadelphia, F.A. Davis.

Thorpy, M.J. (Ed.) 1990. Handbook of Sleep Disorders N.Y. Marcel Dekker, pp. 235-258.

SPECIFIC REFERENCES AND CITATIONS:

American Academy of Neurology 1989. Position of the American Academy of Neurology on Certain Aspects of the Care and Management of the Persistent Vegetative State Patient. *Neurology*, 38:125-6,

Annas, G.J. 1990. Sounding Board - Nancy Cruzan and the Right to Die Case (Editorial), 323: 670-673.

Annas, G.J. 1991. Sounding Board - The Health Care Proxy and the Living Will. *N.Engl. J. Med.*, 324: 1210-1213.

Barrett, R., Merritt, H.H., and Wolf, A. 1972 Depression of Consciousness as a Result of Cerebral Lesions. *Res. Publ. Assoc. Nerv. Ment. Dis.*, 45: 241-272..

Bremer, F. 1935. Cerveau "Isole" et Physiologie du Sommeil. *C.R.Soc. Biol.,(Par.)*, 118:1235-1241.

Chatrian, G.E. 1990. Coma, Other States of Altered Responsiveness and Brain Death (in) Daly, P.D., and Pedley, T.A.: *Current Practice of Electroencephalography* 2nd Ed, N.Y. Raven Press, p. 425-487.

Chatrian, G. E. 1986 Electrophysiologic Evaluation of Brain Death: A Critical Appraisal (in) Aminoff, M.J.: *J. Electrodiagnosis in Clinical Neurology - Second Edition*, Churchill Livingstone New York, pp. 669-736.

Clemente, C. D., and Serman, M. B. 1967. Basal Forebrain Mechanisms for Internal Inhibition and Sleep. *Res. Publ. Assoc. Nerv. Ment. Dis.*, 45: 127-147

Culebras, A. 1992. Neuroanatomic and Neurologic Correlates of Sleep Disturbances. *Neurology*, 42 (Suppl.6): 19-27.

Grunstein, R.R., and Sullivan, C.E. 1990. Neural Control of Respiration During Sleep (in) Thorpy, M.J. (Ed.): *Handbook of Sleep Disorders* N.Y., Basel: Marcel Dekker, pp. 77-102.

Honda, I., and Matsuki. 1990. Genetic Aspects of Narcolepsy (in) Thorpy, M.J. (Ed): *Handbook of Sleep Disorders*. N.Y., Basel: Marcel Dekker, pp. 217-234.

Jennett, W. B., and Bond, M.: Assessment of Outcome After Severe Brain Damage. *Lancet*, 1: 470-484, 1975.

Jennett, W.B., and Plum, F. 1972. The Persistent Vegetative State A Syndrome in Search of a Name. *Lancet*. 1: 734-7.

Jennett, B., and Teasdale, G. 1977. Aspects of Coma After Severe Head Injury. *Lancet*, 1: 878-881.

Jouvet, M. 1967. Mechanisms of the State of Sleep: A Neuropharmacological Approach. *Res. Publ. Assoc. Nerv. Ment. Dis.*, 45: 86-126.

Kellaway, P., Gol, A., Proler, M. 1966. Electrical Activity of the Isolated Cerebral Hemisphere and Isolated Thalamus. *Exper. Neurol.*, 14: 281-304.

Krieger, J. 1990. Obstructive Sleep Apnea: Clinical Manifestations and Pathophysiology (in) Thorpy, M. J. (Ed): *Handbook of Sleep Disorders*, N.Y., Basel: Marcel Dekker, pp. 259-284.

Levy, D.E., Caronna, J.J., Singer, B.H., Lapinski, R.H., Frydman, H., and Plum, F. 1985. Predicting Outcome From Hypoxic-Ischemic Coma. *JAMA*, 253:1420-6.

Lieberson, A.D. 1992. Advance Medical Directives. Deerfield, Ill., Clard, Boardman, Callagher, pp. 879.

Lindsley, D.B., Bowden, J., and Magoun, H.W. 1949. Effect Upon the EEG of Acute Injury to the Brain Stem Activating System. *Electroenceph. Clin. Neurophysiol.* 1:475-486.

Lugaresi, E. 1992. The Thalamus and Insomnia. *Neurology*, 42: (Suppl. 6): 28-33.

Lynn, J. (Chair). 1981 Guidelines for the Determination of Death. Report of the Medical Consultants on the Diagnosis of Death to the President's Commission for the Study of Ethical Problems in Medicine and Biomedical and Behavioral Research. *JAMA*, 246: 2184-2186.

Magoun, H.W. 1963. *The Waking Brain*. Springfield, Ill., Charles C. Thomas.

Maiese, K., and Caronna, J.J. 1988. Coma After Cardiac Arrest: Clinical Features, Prognosis and Management (in) Ropper, A.H., and Kennedy, S.F. (Eds.): *Neurological and Neurosurgical Intensive Care* 2nd Ed. Rockville, Maryland, Aspen Publishers, pp. 233-245.

Marcus, E., and Stone, B. 1984. Shorty Latency Median Nerve Somatosensory Evoked Potentials in Coma: Relationship to BAER, Etiology, Age and Outcome (in) Nodar, R., & Barber, C.: *Evoked Potentials II*, Butterworth, Boston, pp. 609-23,

Marcus, E. M., and Watson, C. W. 1966. Studies of the Bilateral Cortical Callosal Preparation. *Trans. Am. Neuro. Assoc.*, 91: 291-3.

Moore, R. Y. 1990. The Circadian Timing System and the Organization of Sleep-Wake Behavior (in) Thorpy, M. J. (Ed): *Handbook of Sleep Disorders*. N.Y., Basel: Marcel Dekker, pp. 103-115.

Moruzzi, G., & Magoun, H.W. 1949. Brain Stem Reticular Formation and Activation of the EEG. *Electroenceph. Clin. Neurophys.*, 1: 455-73.

Munsat, T.L., Stuart, W.H., Cranford, R.E. 1989. Guidelines in the Vegetative State: Commentary on the American Academy of Neurology Statement. *Neurology*, 38: 123-124.

Pallis, C. 1983. ABC of Brain Stem Death. *British Med. J.*, 285: 1409-1412, 1487-90, 1558-60, 1641-44, 1720-22, 1983. 286: 39, 123-124, 209-10, 284-6.

Saper, CB, TC C hou and TE Scammell. 2001. The sleep switch: hypothalamic control of sleep and wakefulness. *Trends in Neuroscienc.* 24: 726-731.

Scammell, TE, S Nishano, E. Mignot and CB Saper. 2001. Narcolepsy and low CSF Orexin (hypocretin) concentration after a diencephalic stroke. *Neurology* 56: 1751-1753

Segarra, J.M. . 1970. Cerebral Vascular Disease and Behavior. *Arch. Neurol.*, 22: 408-418

Shute, C.C.D., and Lewis, P.R. 1967. The Ascending Cholinergic Reticular System: Neocortical Olfactory and Subcortical Projections. *Brain*, 90: 497-821.

Silber, MH and DB Rye. 2001. Solving the mystery of narcolepsy. *Neurology* 56: 1616-1618. (Editorial)

Steriade, M. 1992. Basic Mechanisms of Sleep Generation. *Neurology*, 42 (Suppl. 6): 9-18.

Villablanca, J., Salinas-Zeballos, M.E. 1972. Sleep-Wakefulness, EEG and Behavioral Studies of Chronic Cats without the Thalamus the "Athalamic" Cat. *Arch. Ital Biol.*, 110: 383-411.

Walker, A.E. 1985. *Cerebral Death* - 3rd Ed., Baltimore, Urban & Schwarzenberg, pp. 206

Wijdicks, EFM. 2001. Diagnosis of brain death. *N Engl J Med.* 344: 1215-1221.

Zeman, A. 2001. Consciousness. *Brain*: 124: 1263-1289

BIBLIOGRAPHY
CHAPTER 30
General References

- Adams, R.D. and M. Victor. 1993. Principles of Neurology. 5th Edition. New York, McGraw Hill, pp.1285-1344.
- Diamond, A.E.(ed.) 1990. The Development and Neural Basis of Higher Cognitive Functions. New York Academy of Sciences. DeKosky, S.(Ed).2000. Dementia . Neurologic Clinics 18:773-1044.
- Doty, R.W. 1967. Limbic system In Comprehensive Textbook of Psychiatry. A.M. Freedman, H.I. Kaplan. Baltimore, Williams & Wilkins. pp.125-143.
- Gershon, E.S. and R.O. Rieder. 1992. Major disorders of mind and brain. Scientific American. 267:126-133.
- Harris-Warrick, R.N. 1991. Modulation of neural networks of behavior. Ann. Rev. Neurosci. 14:39-57.
- Hebb, D.O. 1949. The Organization of Behavior; A Neuropsychological Theory. Wiley, New York.
- Hubel, D.H. 1988. Eye. Brain and Vision. New York. Scientific American Library.
- Jackson, J. H. 1889. On a particular variety of epilepsy ("intellectual aura"), one case with symptoms of organic brain disease. Brain 11:179-207.
- Kandel, E.R., and R.D. Hawkins. 1992. The biological basis of learning and individuality. Scientific American 267:79-86.
- Kitsch, P.M., J.H. Crowden, S. Corkin, et al (ed.) 1992. Alzheimer's disease: amyloid precursor proteins, signal transduction and neuronal transplantation. N.Y. Annal N.Y. Acad. Science. 605: 1-339.
- Kupferman, I. 1991. Learning and memory. (In) E.R. Kandel, J.H. Schwartz, T.M. Jessell. Principles of Neural Science. 3rd ed.
- E.R. Kandel, J.R. Schwartz and T.M. Jessell eds. New York, Elsevier. pp.997-1008.
- Langston, J.W. and A. Young (ed). 1992. Neurotoxins and Neurodegenerative Disease. Annals N.Y. Acad. Med.. 648: 1-385.
- Lashley, K. S. 1963. Brain Mechanisms and Intelligence: A Quantitative Study of In-iurv to the Brain. N.Y.: Hafner Publish
- Lynch, G., J.L. McGaugh, and N.M. Weinberger. (eds.) 1984. The Neurobiolocrv of Learning. N.Y.: Guilford Press.
- Mishkin, M., and T. Appenzeller. 1987. The anatomy of memory a scientific American special report. New York. Scientific American. Inc.. pp.1-11.
- Olds, J.: Hypothalamic substrates of reward. 1962. Phvsiol. Rev. 42:554-604.
- Pavlov, I.P. 1927. Conditioned Reflexes: An Investigation of the Physiological Activity of the Cerebral Cortex. G.U. Anrep (trans.). London: Oxford University Press.
- Schatz, C.J. 1992. The developing brain. Scientific American. 267:61-76.
- Selkoe, D.J. 1992. Aging brain, aging mind. Scientific American. 267:134-142.
- Squire, L.R. and E. Lindenlaub (eds.). 1990. The Biology of Memory. Stuggart:Schatteuer Verlag. Tinbergen, N. 1951. The Study of Instinct. London. Oxford University Press.

Tomlinson, B.E., and J.A.N. Corsellis. 1984. Aging and the dementias. In Greenfield, S. Neuropathology 4th ed. eds. J. Adams, J.A.N. Corsellis, and L.W. Duchon. John Wiley & Sons, New York. pp. 951-1025.

Victor, M., R.D. Adams, and G.H. Collins (eds.) -1989. The Wernicke-Korsakoff Syndrome and Related Neurologic Disorders due to Alcoholism and Malnutrition 2nd Ed.. Philadelphia: F.A. Davis Company.

Wechsler, D. 1944. The Measurement of Adult Intelligence. Baltimore: Williams and Wilkins.

Weiskrantz, L. 1985. On issues and theories of the human amnesic syndrome In Memory Systems of the Brain: Animal and Human Cognitive Processes, eds. N.M. Weinberger, J.L. McGaugh, G. Lynch. New York: Guilford Press, pp.380-415.

SPECIFIC REFERENCES: (see also chapter 27 for Creutzfeldt Jakob disease)

Aldous, P. 1992. French officials panic over rare brain disease outbreak. Science. 258:1571-1572.

Bachman, D.L., P.A. Wolf, R. Linn et al. 1992. Prevalence of dementia and probable senile dementia of the Alzheimer type in the Framingham study. Neurology 42:115-119.

Baringa, M. 1992. The brain remaps its own contours. Science 258: 216-218.

Baringer, J.R. 1992. Viral infections. In Diseases of the Nervous System: Clinical Neurobiology 2nd ed. eds. A.K. Asbury, G.M. Mckhann and W.I. McDonald. Philadelphia: W.B.Saunders. pp.1298-1311.

Behan, P.O. 1982. Creutzfeldt-Jakob disease. Brit.Med.J. 284:1658-1659.

Bliss, T.V.P., and T. Lomo. 1973. Long-lasting potentiation of synaptic transmission in dentate area of the anesthetized rabbit following stimulation of the perforant path. J.Physiol. (London) 232:331-356.

Bookman, J.M., D.T. Kingsbury, M.P. McKinley et al. 1985. Creutzfeldt-Jakob disease prion proteins in human brains. N. Engl. J. Med. 312:73-78.

Boothe, R.G., V. Dobson, D.Y. Teller. 1985. Postnatal development of vision in human and nonhuman primates. Ann. Rev. Neurosci. 8:495-545.

Brown, P., D.C. Gajdusek, C.J. Gibbs, • Jr. et al. 1985. Potential epidemic of Creutzfeldt-Jakob disease from human growth hormone therapy. N. Engl. J. Med. 313: 728-731.

Brown, P., L. G. Goldfarb, J. Kovanen et al. 1992. Phenotypic characteristics of familial Creutzfeldt-Jakob disease associated with the Codon 178 Asn PRNP mutation. Ann. Neurol. 31:282-285, 1992.

Brown, P., C.J. Gibbs, H.L. Amyx et al. 1982. Chemical disinfection of Creutzfeldt-Jakob disease virus. N. Engl. J. Med. 306:1279-82.

Brown, P., L. Ceruera'kova', L.G. Goldfarb et al. 1994. Iatrogenic Creutzfeldt-Jakob disease: An examples of the interplay between ancient genes and modern medicine. Neurology 44:291-293.

Burkhardt, C.R., C.M. Filiey, B.K. Meinschmidt-DeMasters et al. 1988. Diffuse lewy body disease and progressive dementia. Neurology. 38:1520-1528.

Calford, M.B. and R. Tweedale. 1990. Interhemispheric transfer of plasticity in the cerebral cortex. Science. 249:805-807.

Caplan, L., F. Chedru, F. Lhermitte et al. 1981. Transient global amnesia and migraine. Neurology. 31:1167-70.

- Caplan, L.R., and W.C. Schoene. 1978. Clinical features of subcortical arteriosclerotic encephalopathy (Bunswanger disease). *Neurology*. 28:1206-1215.
- Carpenter, W.T., Jr., and R.W. Buchanan. 1994. Schizophrenia. *N. Engl. J. Med.* 330: 681-690.
- Corder, E.H., A.M. Saunders, W.J. Strittmatter, et al 1993. Gene dose of apolipoprotein E type 4 allele and the risk of Alzheimer's disease in late onset families. *Science*. 261:921-923.
- Desimone, R. 1992. The physiology of memory: recordings of the past. *Science*. 258:245-246.
- Dollard, J. and N. E. Miller. 1950. *Personality and Psycho therapy*. New York. McGraw Hill.
- Drachman, D.A., J. Leavitt. 1974. Human memory and the cholinergic system - A relationship to aging? *Arch. Neurol.* 30:113-21.
- Drachman, D.A. 1993. New criteria for the diagnosis of vascular dementia: Do we know enough yet? *Neurology*. 43:243-245.
- Evans, D.A., H. H. Funkenstein, M.S. Albert et al. 1989. Prevalence of Alzheimer's disease in a community population of Older adults. *JAMA*. 262:2551-2556.
- Friedland, R.P. 1993. Epidemiology, education and the ecology of Alzheimer's disease. *Neurology*. 43:246-249.
- Fristoen, K.J., P.F. Liddle, C.D. Firth, et al. 1992. The left medial temporal region and schizophrenia. A PET study. *Brain*. 115: 367-382.
- Gajdusek, D.C., C.J. Gibbs, D.M. Asher, et al. 1977. Precautions in medical care of, and in handling materials from patients with transmissible virus dementia (Creutzfeldt-Jakob disease). *N. Engl. J. Med.* 297:1253-58.
- Gallassie, R., A. Morreale, S. Lorusso et al. 1977. Epilepsy presenting as memory disturbances. *Epilepsia*. 29: 624-629.
- Gilden, D.H. 1983. Slow virus diseases of the CNA: Part II Scrapie, Kuru, and Jakob-Creutzfeldt disease. *Postgraduate Medicine* 73:113-118.
- Goldenberg, G., I. Podreka, N. Phaffel-Meyer et al. 1991. Thalamic ischemia in transient global amnesia: A SPECT study. *Neurology* 41:1748-1752.
- Graff-Radford, N.R., D. Tranel, G.W. VanHoesen et al. 1990. Diencephalic amnesia. *Brain*. 113:1-25.
- Greenlee, J.E. 1982. Infection control - containment precautions in hospitals for cases of Creutzfeldt-Jakob disease (Editorial). *Infection Control*. 3:222-223.
- Growdon, J. H. 1992. Treatment for Alzheimer's disease? (Editorial) *N. Engl. J. Med.* 327: 1306-1308. see also David et al. 1992. *N. Engl. J. Med.* 327: 1253-1259.
- Grundman, M and L.J. Thal. 2000. Treatment of Alzheimer's disease. *Neurologic Clinics*. 18: 807-828.
- Hansen, L., D. Salmon, D. Galasko. 1990. The lewy body variant of Alzheimer's disease: A clinical and pathologic entity. *Neurology*. 40:1-8.
- Harlow, H. 1974. *Learning to love* New York. James Aronson. Heiligenberg, W. 1991. The neural basis of behavior: A neuroethological view. *Ann.Rev.Neurosci.* 14:247-67.
- Hellmuth, J. (ed.). 1963. *Disadvantaged child - vol.2: Headstart and Early Intervention*. N.Y.: Brunner-Mazel, Inc.

- Hsiao, K., S.B. Prusiner. 1990. Inherited human prion diseases. *Neurology* 40:1820-1827.
- Hubel, D.H. Eve. *Brain and Vision*. 1988. New York. Scientific American Library.
- Irle, E., B. Wowra, Kunert et al. 1992. Memory disturbances following anterior communicating artery rupture. *Ann.Neurol.* 31: 473-80.
- Jarvis, W.R. 1982. Precautions for Creutzfeldt-Jakob disease. *Infection Control.* 3:238-239.
- Jenkins, W.M., M.M. Merzenich, M. Ochs, et al. 1990. Functional reorganization of primary somatosensory motor cortex in adult owl monkeys after behaviorally control led tactile stimulation. *J.Neurophysiol.* 63:82-104.
- Kaas, J.H., L.A. Krubitzer, Y.M. Chino et al. 1990. Reorganization of retinotopic cortical maps in adult mammals after lesions of the retina. *Science.* 248:229-231.
- Kass, J. 1991. Plasticity of sensory and motor maps in adult mammals. *Ann.Rev.Neurosci.* 14:137-167.
- Kandel, E.R., and T. Jessell. 1991. Early experience and the fine tuning of synaptic connections. In *Principles of Neural Science*, eds. E.R. Kandel, J. H. Schwartz and T.M. Jessell: New York, Elsevier. 945-958.
- Kandel, E.R., and T.J. O'Dell. 1992. Are adult learning mechanisms also used for development? *Science* 258:243-95.
- Kapur, N., D. Ellison, M.P. Smith et al. 1992. Focal retrograde amnesia following bilateral temporal lobe pathology: a neuropsychological and magnetic resonance study. *Brain.* 115:73-85.
- Katzman, R. 1993. Education and the prevalence of Alzheimer's disease. *Neurology.* 43:13-20.
- Kemper.T.L., and M.L. Bauman. 1993. The contribution of neuro-pathological studies to the understanding of autism: *Neurologic Clinics.* 11:175-187.
- Lin, K.N., R.S. Liu, T.P. Yeh, et al. 1993. Posterior ischemia during an attack of transient global amnesia. *Stroke.* 24:1093-1095.
- Madison, D.V., R.c. Malenka, and R.A. Nicoll. 1991. Mechanisms underlying long term potentiation of synaptic transmission. *Rev. Neurosci.* 14:379-397.
- Markesbery, W.R. 1992. Alzheimer's disease. (In). *Diseases of the nervous system: clinical neurobiology*. 2nd ed., eds. C.M. McKhann and W. McDonald. Philadelphia: W.B. Saunders, pp.755-803.
- Marx, J. 1990. Human brain disease recreated in mice. *Science.* 250:1509-1510.
- Marx, J. 1992a. A new link in brain's defenses – research news. *Science.* 256:1278-1280.
- Marx, J. 1992b. Alzheimer's debate boils over - news & comments. *Science.* 257:1336-1338.
- Marx, J. 1992c. Familial Alzheimer's linked to chromosome 14 gene - neurobiology. *Science.* 258:550.
- Masters, C.L., D.C. Gajdusek, C.J. Gibbs. 1981. The familial occurrence of Creutzfeldt-Jakob disease and Alzheimer's disease. *Brain.* 104:535-558.
- Masters, C.L., J.O. Harris, D.C. Gajdusek et al. 1979. Creutzfeldt-Jakob disease: patterns of world-wide occurrence and the significance of familial and sporadic clustering. *Ann.Neurol.* 5:177-187.
- Mathew, N.T., and J.S. Meyer. 1974. Pathogenesis and natural history of transient global amnesia. *Stroke* 5:303-311.

- Mayeaux, R. and S. Sternspanton. 1985. Heterogenicity in dementia of the Alzheimer type: evidence of subgroups. *Neurology*. 35:453-461.
- Mazzucchi, A., G. Moretti, P. Caffarra et al. 1980. Neuropsychological functions in the follow-up of transient global amnesia. *Brain*. 103:161-178.
- McClelland, D.C., and J.W. Atkinson. 1948. The projective expression of needs. *J.Psvchol*. 25:206.
- McKee, A.C., K. S. Kosik, N.W. Kowall. 1991. Neuritic pathology and dementia in Alzheimer's Disease. *Ann.Neurol*.30:156-165.
- Mc Keith, IG. 2000. Spectrum of Parkinson's disease, Parkinson's dementia and Lewy body dementia. *Neurologic Clinics*. 18:865-884.
- McKhann, G., D. Drachman, D., M. Folstein et al. 1984. Clinical diagnosis of Alzheimer's Disease. *Neurology* 34:939-944.
- Melo, T.P., J. M. Ferro and H. Ferro. 1992. Transient global amnesia: a case control study. *Brain*. 115: 261-70.
- Merzenich, M.M. 1985. Sources of intraspecies and interspecies cortical map variability in mammals: conclusions and hypothesis. In *Comparative Neurobiology Modes of Communication in the Nervous System*, eds. J.J. Cohen and Strumwasser. New York: Wiley, pp. 105-116.
- Mesulam, M.M. 1982. Slowly progressive aphasia without generalized dementia. *Ann. Neurol*. 11:592-598.
- Mesulam, M.M. 1990. Schizophrenia and the brain. *N. Engl. J. Med*. 322: 842-844.
- Nestor, PN, and J Hodges. 2000. Non Alzheimer's dementias.. *Seminars in Neurology*. 20: 439-446.
- Ojemann, G.A., O. Creutzfeldt, E. Lettich, et al. 1988. Neuronal activity in human lateral temporal cortex related to short-term verbal memory, naming and reading. *Brain*.113:1383-1403.
- Ott, B.R. and J. L. Saver. 1993. Unilateral amnesic stroke, six new cases and review of the literature. *Stroke*. 24:1033-1042.
- Penfield, W., and B. Milner. 1958. Memory deficit produced by bilateral lesions in the hippocampal zone. *Arch. Neurol. Psychiat*.79:475-497.
- Perl, DP.2000 Neuropathology of Alzheimer's disease and related disorders. *Neurologic Clinics*.18: 847- 864.
- Perry, R.H., D. Irving, G. Blessed et al. 1989. Clinically and neuropathologically distinct form of dementia in the elderly. *Lancet*. 1:166.
- Pollen, D.A. 1993. *Hannah's heirs: the guest for the genetic origin of Alzheimer's disease*. New York. Oxford University Press. pp.296.
- Pons, T.P., P.E. Garraghty, A.K. Ommaya et al. 1991. Massive cortical reorganization after sensory deafferentation in adult macaques. *Science* 252:1857-1860.
- Powell-Jackson, J., P. Kennedy, E. M. Whitcomb et al. 1985. Creutzfeldt-Jakob disease after administration of human growth hormone. *Lancet*. 2:244-246.
- Prusiner, S.B. 1991. The molecular biology of prion diseases. *Science*. 252:1515-1522.
- Riesen, A.H. 1966. Sensory deprivation in progress. In *Physiological Psychology* (eds.) E. Stellar, and J.M. Sprague. New York. Academic Press. (Volume 1) pp.117-147.

- Rocca, W.A., A. Hofman, C. Brayne et al. 1991. Frequency and distribution of Alzheimer's disease in Europe: A collaborative study of 1980-1990 prevalence findings. *Ann. Neurol.* 30:381-390.
- Rocca, W.A., A. Hofman, C. Brayne, et al. 1991. The prevalence of vascular dementia in Europe: Facts and fragments from 1980-1990 studies. *Ann. Neurol.* 30:817-824.
- Rogers, J.D., D. Brogan, S.S. Miran. 1995. The nucleus basalis of Meynert in neurological disease: A quantitative morphological study. *Ann. Neurol.* 17:163-170.
- Roman, G.C., T.R. Tatemich, T. Erkinjuntti et al. 1993. Vascular dementia: Diagnostic criteria for research studies: report of the NINDS-AIREN International Workshop. *Neurology* 43:250-260.
- Rosen, HJ, J. Lengenfelder and B. Miller. 2000. Frontotemporal dementia. *Neurologic Clinics.* 18: 979-992.
- Rosenzweig, M.B. and A.L. Leiman. 1986. Brain functions. In *Annual Review of Psychology*, eds. P.R. Fransworth. 19: 55-98.
- Russell, R.W. 1966. Biochemical substrates of behavior. In *Frontiers in Physiological Psychology*, ed. R. W. Russell. New York. Academic Press.
- Saunders, A.M., W.J. Strittmatter, D. Schmechel et al. 1993. Association of apolipoprotein E. allele-4 with late onset and sporadic Alzheimer's disease. *Neurology.* 43:1467-1472.
- Schatz, C.J. 1992. The developing brain. *Scientific American.* 267:61-76.
- Scoville, W.B., and B. Milner. 1957. Loss of recent memory after bilateral hippocampal lesions. *J. Neurol. eurosurg. Psychiat.* 20:11-21.
- Selkoe, DJ., 2000. The genetics and molecular pathology of Alzheimer's disease: Roles of amyloid and the presenilins. *Neurologic Clinics.* 18: 903-922.
- Selkoe,DJ. 2000. Presenilins, B amyloid precursors and the molecular basis of Alzheimer's disease. *Clinical Neuroscience research* 1:91-103.
- Shenton ,M.E., R. Kikinis, F.A. Jolesz, et al. 1992. Abnormalities of the left temporal lobe and thought disorder in schizophrenia: A quantitative magnetic resonance imaging study. *N. Engl. J. Med.* 327:604-612.
- Silva, A.J., C.F. Stevens, S. Tonegawa et al. 1992. Deficient hippocampal long term potentiation in B-calcium-calmodulin kinase II mutant mice. *Science.* 257:201-206.
- Silva, A.J., R. Paylor, J. M. Wehner et al. 1992. Impaired spatial learning in B-calcium-calmodulin kinase II mutant mice. *Science.* 257:206-211.
- Skoog, L., L. Nilsson, B. Palmertz et al. 1993. A population-based study on dementia in 85-year-olds. *N. Engl. J. Med.* 328:153-158.
- Sparks, D.L., and W.R. Markesbery. 1991. Altered serotonergic and cholinergic synaptic markers in Pick's disease. *Arch. Neurol.* 48:796-799.
- Spillantini, MG and M Goedert. 2000. Tau mutations in familial frontotemporal dementia. *Brain.* 123:857-859
- Spitz, R. 1945. Hospitalism. *Psychoanal. Study of Child.* 1:53.
- Squire, L.R., and S. Zola-Morgan. 1991. The medial temporal lobe memory system. *Science.* 253:1380-1386.

- Stillhard, G., T. Landis, R. Schiess, R. et al. 1990. Bitemporal hypoperfusion in transient global amnesia: 99mTC-HM-PAO SPECT and neuropsychological findings during and after an attack. *J. Neurol. Neurosurg. Psychiatr.* 53:339-342.
- Strittmatter, W.J., A.M. Saunders, D. Schmechel et al. 1993. Apolipoprotein E. High avidity binding to B. amyloid and increased frequency of type 4 allele in late onset familial Alzheimer's disease. *Proc. Natl. Acad. Sci.* 90:1977-1981.
- Suddath, R.L., G.W. Christison, E.F. Torrey et al. 1990. Anatomical abnormalities in the brains of monozygotic twins discordant for schizophrenia. *N. Engl. J. Med.* 322:789-794.
- Tassinari, C.A., C. Ciarmatori, C. Alesi et al. 1991. Transient global amnesia as a postictal state from recurrent partial seizures. *Epilepsia* 32:882-885.
- Tatemichi, T.K., W. Steinke, C. Duncan et al. 1992. Paramedian thalamopeduncular infarction: Clinical syndromes and magnetic resonance imaging. *Ann. Neurol.* 32:162-171.
- Teitelbaum, J.S., R.J. Zatorre, Carpenter, S. et al. 1990. Neurologic sequelae of domoic acid intoxication due to the ingestion of contaminated mussels. *N. Engl. J. Med.* 322:1781-1787.
- Tomlinson, B.E., G. Blessed, and M. Roth. 1970. Observations on the brains of demented old people. *J. Neurological Sciences* 11; 205-242.
- Tulving, E., D.L. Schacter. 1990. Priming and human memory systems. *Science* 247:301-306.
- Victor, M., J.B. Agevine, E.L. Mancall et al. 1961. Memory loss with lesions of hippocampal formation. *Arch. Neurol.* 5:244-263.
- von Cramon, D.Y., N. Hebel, and V. Schuri. 1988. Verbal memory and learning in unilateral posterior cerebral infarction. A report on 30 cases. *Brain.* 111:1061-1078.
- von Cramon, D.Y., N. Hebel and V. Schri. 1985. A contribution to the anatomical basis of thalamic amnesia. *Brain.* 108:993-1008.
- Whitehouse, P.J., D.L. Price, A.W. Clark et al. 1981. Alzheimer's disease: Evidence for selective loss of cholinergic neurons in the nucleus basalis. *Ann. Neurol.* 10:1226.
- Wiesel, T.N., and D.H. Hubel. 1963. Effects of visual deprivation on morphology and physiology of cells in the cat's lateral geniculate lobes. *J. Neurophysiol.* 26:978-993.
- Wiesel, T.N., and D.H. Hubel. 1963. Single cell responses in striate cortex of kittens deprived of vision in one eye. *J. Neurophysiology.* 26:1003-1007.
- Will, R.G., W.B. Matthews. 1982. Evidence for case-to-case transmission of Creutzfeldt-Jakob disease. *Neuro. Neurosurg. Psychiatry.* 45:235-238.
- Williams, M. and J. Pennybacker. 1954. Memory disturbances in third ventricle tumors. *J. Neurol. Neurosurg. Psychiatr.* 17:115-23.
- Winker, M.A. 1994. Tacrine for Alzheimer's disease. Which patient, what dose? *JAMA.* 271:1023-1024. (see also Knapp et al. 1994. *JAMA.* 271:985-991; and Watkins et al. 1994. *JAMA.* 271:992-998.
- Woods, B.T., and A.C. McKee. 1992. Case records of the Massachusetts General Hospital - A 67-year-old man with aphasia and memory loss followed by progressive dementia. *N. Engl. J. Med.* 326:397-405.

Yankner, B.A., L.F. Dawes, S. Fisher et al. 1989. Neuro-toxicity of a fragment of the amyloid precursor associated with Alzheimer's disease. *Science*. 245:117-210.

Yankner, B.A., L.K. Duffy, D.A. Kirschner. 1990. Neurotrophic and neurotoxic effects of amyloid B protein: Reversal by tachykinin neuropeptides. *Science*. 250:279-282.

Yankner, B.A., M.M. Mesulam. 1991. B-amyloid and the pathogenesis of Alzheimer's disease. *N. Engl. J. Med.* 325:1849-1857.

Zola-Morgan, S., L. R. Squire, D.G. Amaral. 1986. Human amnesia and the medial temporal region: Enduring memory impairment following a bilateral lesion limited to field CA1 of the hippocampus. *Journal of Neuroscience*. 6:2950-2967.

Zola-Morgan, S.M., and L. R. Squire. 1990. The primate hippocampal formation. Evidence for a time limited role in memory storage. *Science*. 250:288-296.