

Contents

1 Introduction, Nomenclature, and Classification of Hepatic Encephalopathy	1
Kevin D. Mullen and Ravi K. Prakash	

Part I Pathogenesis

2 Role of Ammonia in the Pathogenesis of Hepatic Encephalopathy	7
Jan Albrecht	
3 Neuroinflammation in the Pathogenesis of Hepatic Encephalopathy	19
Roger F. Butterworth	
4 Inflammation and Hepatic Encephalopathy	35
Shabnam S. Shabbir, Amit Singh Seyan, and Debbie Lindsay Shawcross	
5 Oxidative Stress in Hepatic Encephalopathy	47
Arumugam R. Jayakumar and Michael D. Norenberg	
6 The Role of Natural Benzodiazepines Receptor Ligands in Hepatic Encephalopathy	71
E. Anthony Jones and Kevin D. Mullen	

Part II Diagnosis

7 Diagnosis of Overt Hepatic Encephalopathy	97
Karin Weissenborn	
8 Diagnosis of Minimal Hepatic Encephalopathy	103
Jennifer Y. Montgomery and Jasmohan S. Bajaj	

9	The Electroencephalogram in Hepatic Encephalopathy	113
	Piero Amodio	
10	Brain Imaging in Hepatic Encephalopathy	123
	Rita García-Martínez and Juan Córdoba	
Part III Treatment		
11	Disaccharides in the Treatment of Hepatic Encephalopathy	141
	Praveen Sharma and Shiv Kumar Sarin	
12	Antibiotic Treatment for Hepatic Encephalopathy.....	159
	Kevin D. Mullen and Ravi K. Prakash	
13	Ornithine Phenylacetate: A Novel Strategy for the Treatment of Hepatic Encephalopathy	165
	Maria Jover-Cobos, Nathan A. Davies, Yalda Sharifi, and Rajiv Jalan	
Part IV Special Topics		
14	Sleep Disorders and Hepatic Encephalopathy	177
	Sara Montagnese	
15	Hepatic Encephalopathy and Driving	187
	Matthew R. Kappus and Jasmohan S. Bajaj	
16	Nutrition and Hepatic Encephalopathy	199
	Manuela Merli, Michela Giusto, and Oliviero Riggio	
17	Hepatic Encephalopathy in Patients with Transjugular Intrahepatic Portosystemic Shunt (TIPS).....	211
	Martin Rössle and Wulf Euringer	
18	Quality of Life in Hepatic Encephalopathy	221
	Jillian Kallman Price and Zobair M. Younossi	
19	Liver Transplantation and Hepatic Encephalopathy	233
	Dileep K. Atluri and Kevin D. Mullen	
20	Future of Hepatic Encephalopathy	241
	Kevin D. Mullen and Ravi K. Prakash	
	Index.....	245



<http://www.springer.com/978-1-61779-835-1>

Hepatic Encephalopathy

Mullen, K.D.; Prakash, R.K. (Eds.)

2012, XIV, 250 p., Hardcover

ISBN: 978-1-61779-835-1

A product of Humana Press