

The most conspicuous structures in this section are the pyramids, the inferior olive, and the inferior and superior cerebellar peduncle. On the right side, the inferior cerebellar peduncle is seen connecting the cerebellum and brain stem. Medial to the restiform body, vestibular fibers (juxtarestiform body) are seen entering the cerebellum. Note the cerebellar cortex and the deep cerebellar nuclei (dentate and emboliform). The walls of the fourth ventricle here and through-

out the pons are formed by the superior cerebellar peduncle (dentatorubrothalamic tract).
Cranial Nuclei

Motor. The only motor nerve present in this section is the nucleus ambiguus which, at this level, consists of cell bodies going to the stylopharyngeus muscle; note that for the first time, the position of the ambiguous nucleus is clearly seen.

Sensory. The vestibular, solitary, and ventral cochlear nuclei are present at this level. The spinal nucleus of nerve V has been displaced medially by the massive inferior cerebellar peduncle.

