

# [PDF] Nolte's The Human Brain: An Introduction To Its Functional Anatomy, 7e

Todd Vanderah PhD, Douglas J Gould PhD - pdf download free book

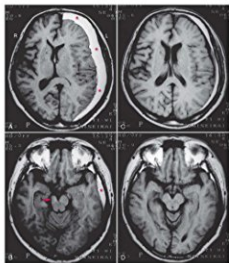


Figure 6.18B (Continued from Figure 6.18A) shows the effects of increased intracranial pressure, compressed by subarachnoid space and lateral ventricle, shifting the midline to the right and deforming the right cerebral peduncle (arrow). By pushing it against the edge of the tentorium, it can cause a transtentorial herniation (arrowhead). This displacement of the cerebral peduncle causes the third cranial nerve to compress against the edge of the tentorium, causing the pupillary dilation (arrowhead). (Continued from Figure 6.18A, page 98.)

of increasing intracranial pressure (for example, a subdural hematoma or an expanding tumor). The midline may be pushed against the edge of the tentorium, which passing through the tentorial notch (Fig. 6.18B), causing damage to a cerebral peduncle and one or more cranial nerves (especially the oculomotor nerve). Also, depending on where the expanding mass causing the increased pressure is located, certain portions of the brain may herniate from one side of a dural reflection to another (Figs. 6.19 and 6.20). For example, increased pressure on the lateral surface of one cerebral hemisphere may cause the hemisphere to be displaced inferiorly and medially, in turn causing the lesser and greater portions of the temporal lobe to herniate through the tentorial notch and compress the midbrain. Such pressure could also cause one cerebral

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## Description:

Popular for its **highly visual** and **easy-to-follow** approach, *Nolte's The Human Brain* helps demystify the complexities of the gross anatomy of the brain, spinal cord and brainstem. A **clear writing style**, **interesting examples** and **visual cues** bring this extremely complicated subject to life and more understandable.

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