Modern Approach of the Vascular Anatomy of the Brain

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This presentation is a core learning tool, containing vascular anatomy of the brain and related clinical cases. This study is divided into six sections.

- The first is devoted to the main cerebral hemispheric arteries.
- The second concerns vascularization of the brainstem and cerebellum.
- The third covers the meningeal arteries.
- In the fourth part, the cerebral veins are covered, including the supratentorial superficial veins, the deep cerebral veins, and the veins of the posterior fossa.
- In the fifth section, images correspond to a series of sagittal sections every 12 mm. The caption on the brain section includes the main structures that a student of brain imaging should be able to recognize. For every sagittal section of the brain, the main arteries from the large cortical branches to the smaller arterioles are shown.
- The last section is devoted to the coronal plane.

Each section is illustrated with pathologic cases showing the latest development of our neuroimaging techniques. The interactive program allows the selection of images from an index. One also can follow a topic, or discuss a pathologic case with the help of neuroanatomical data. This presentation should be very useful as an educational tool for residents or fellows learning the structure of the Cerebral Circulation. It also may be helpful to those learning the field of interventional neuroangiography.

References