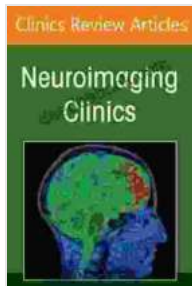


Skull Base Neuroimaging: An Issue of Neuroimaging Clinics of North America



Skull Base Neuroimaging, An Issue of Neuroimaging Clinics of North America E-Book (The Clinics: Internal Medicine)

★★★★★ 5 out of 5

Language : English

File size : 247175 KB

Text-to-Speech : Enabled

Enhanced typesetting : Enabled



The skull base is a complex and critical region of the anatomy, housing vital structures such as the brain, brainstem, cranial nerves, and major blood vessels. Skull base pathology can lead to a wide range of neurological symptoms and can be challenging to diagnose and treat. Neuroimaging plays a pivotal role in the evaluation and management of skull base lesions, providing detailed anatomical information and aiding in the detection and characterization of pathological processes.

This issue of Neuroimaging Clinics of North America is dedicated to skull base neuroimaging and provides a comprehensive overview of the topic. The issue is divided into three sections:

1. **Section 1: Anatomy and Imaging Techniques**

- Provides a detailed overview of the anatomy of the skull base

- Discusses the various imaging techniques used to visualize the skull base, including computed tomography (CT), magnetic resonance imaging (MRI), and positron emission tomography (PET)
- Explores the advantages and limitations of each imaging technique

2. **Section 2: Clinical Applications**

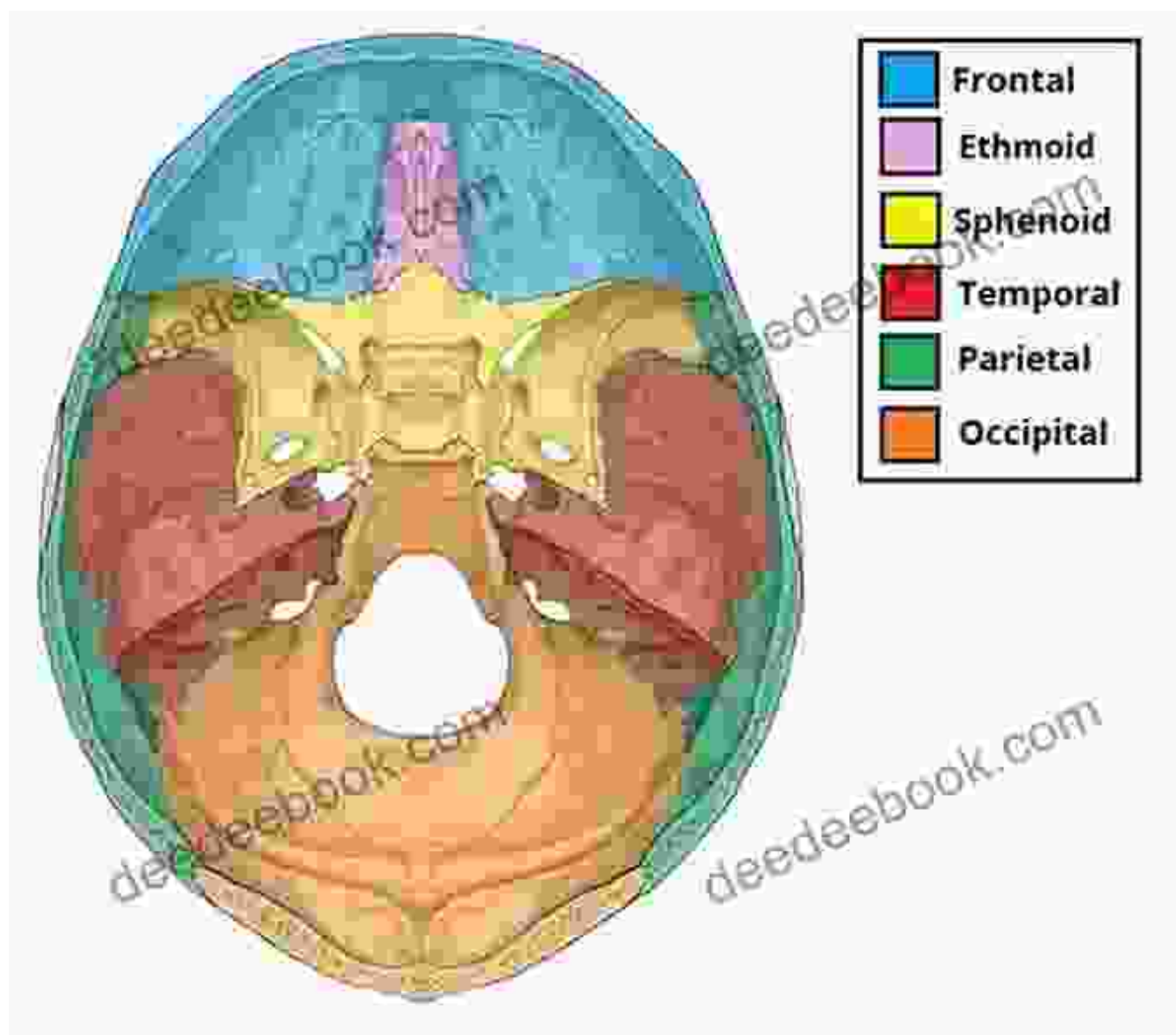
- Covers the use of neuroimaging in the evaluation of a wide range of skull base lesions, including tumors, vascular malformations, and inflammatory conditions
- Discusses the role of neuroimaging in the preoperative planning and postoperative follow-up of skull base surgery
- Provides an overview of the imaging findings in various skull base disorders

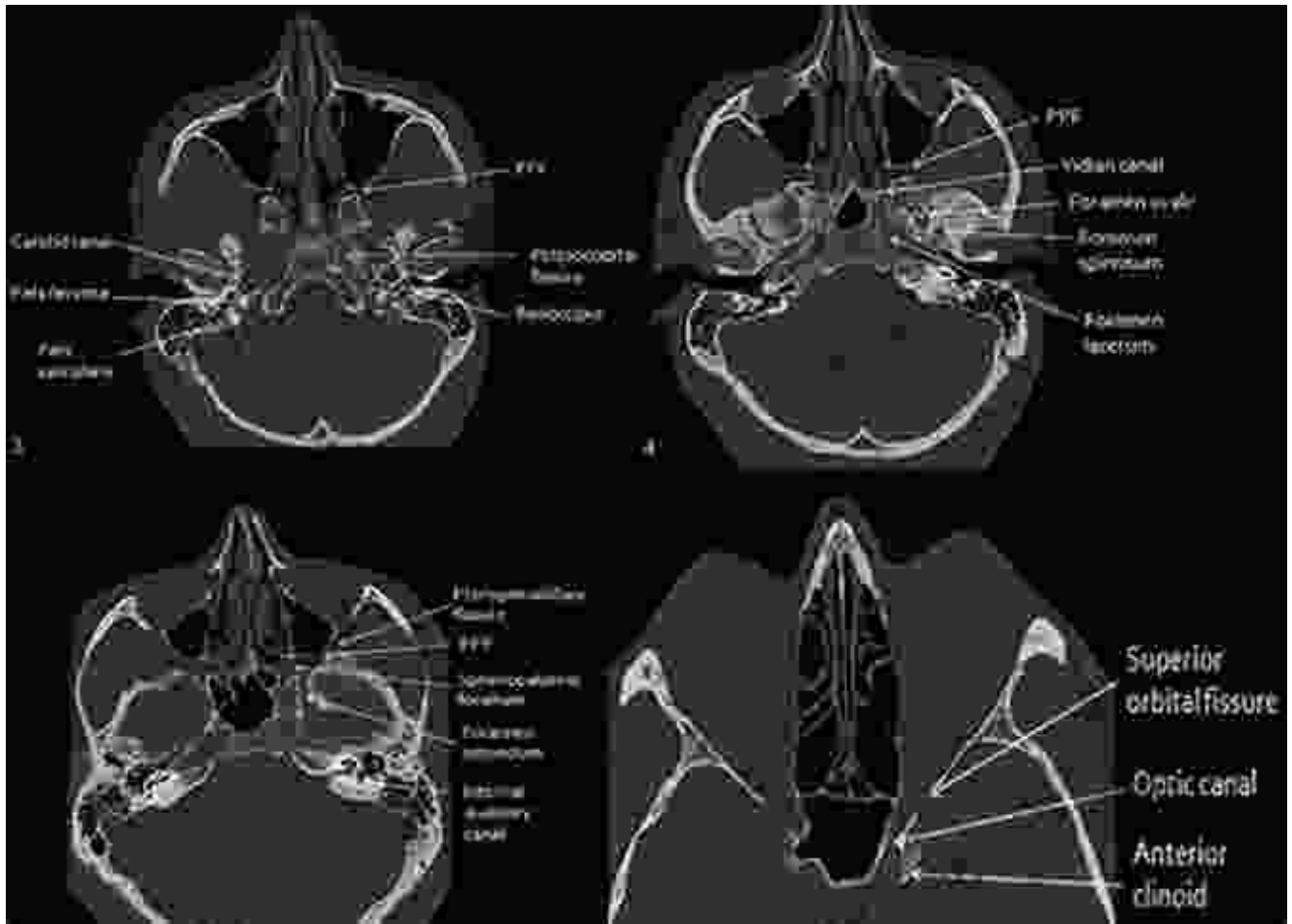
3. **Section 3: Advanced Imaging Techniques**

- Examines advanced imaging techniques, such as diffusion tensor imaging (DTI), functional MRI (fMRI), and magnetic resonance spectroscopy (MRS), and their applications in skull base neuroimaging
- Discusses the potential of these techniques to improve the diagnosis and management of skull base lesions
- Provides an overview of the future directions of skull base neuroimaging

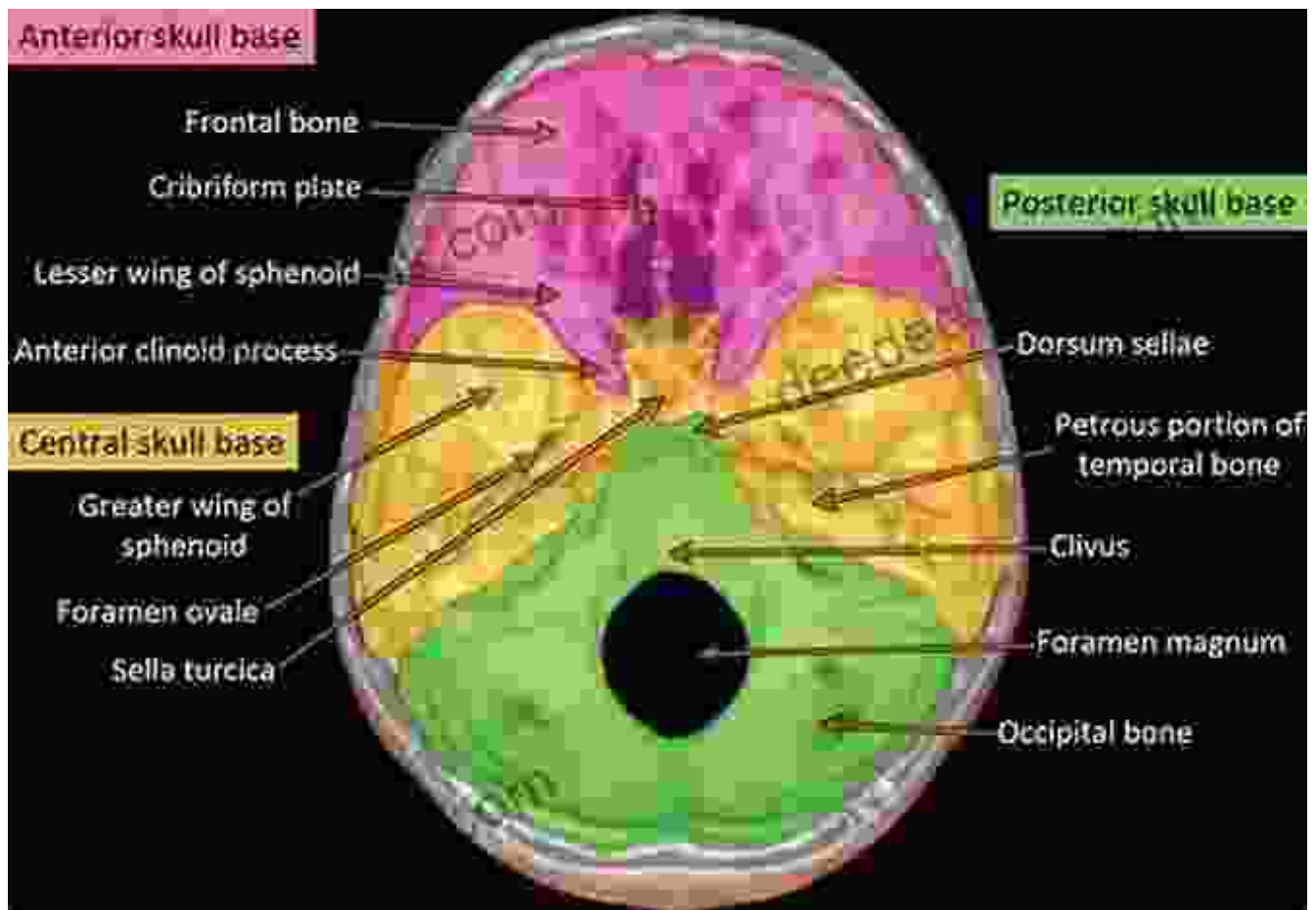
This issue of Neuroimaging Clinics of North America is an essential resource for neuroradiologists, neurologists, neurosurgeons, and other healthcare professionals involved in the diagnosis and management of skull base lesions. The issue provides a comprehensive overview of the topic, covering the latest advances in imaging techniques and their clinical applications.

Image Gallery





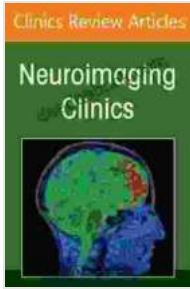
CT scan of the skull base.



References

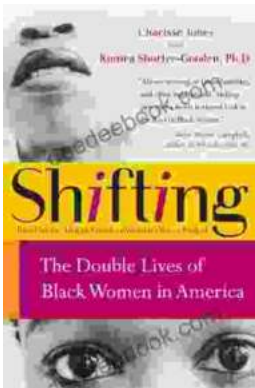
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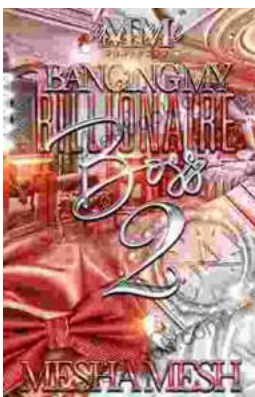
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