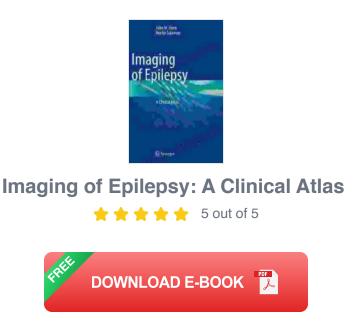
# **Imaging of Epilepsy: Clinical Atlas**

Epilepsy is a common neurological disFree Download that affects people of all ages. It is characterized by recurrent seizures, which are sudden, uncontrolled electrical disturbances in the brain. Seizures can vary in severity, from mild to severe, and they can be disabling.



Imaging plays an important role in the diagnosis and management of epilepsy. Imaging studies can help to identify the underlying cause of seizures, localize the seizure focus, and assess the extent of brain damage. Imaging can also be used to guide treatment decisions and monitor the response to therapy.

This book provides a comprehensive overview of the imaging findings in epilepsy, with a focus on clinical applications. It includes a large collection of high-quality images, including MRI, CT, and PET scans, as well as clinical vignettes and case studies. The book is written by a team of experts in the field of epilepsy imaging, and it is a valuable resource for clinicians, researchers, and students alike.

#### Section 1: Basic Principles of Epilepsy Imaging

This section provides an overview of the basic principles of epilepsy imaging. It covers the different imaging modalities used in epilepsy, the indications for imaging, and the interpretation of imaging findings.

## Section 2: MRI in Epilepsy

MRI is the most commonly used imaging modality in epilepsy. It provides excellent anatomical detail and can be used to identify a wide range of abnormalities that can cause seizures. This section covers the different MRI techniques used in epilepsy, the normal MRI appearance of the brain, and the MRI findings in different types of epilepsy.

### Section 3: CT in Epilepsy

CT is a fast and widely available imaging modality that can be used to identify gross structural abnormalities in the brain. This section covers the different CT techniques used in epilepsy, the normal CT appearance of the brain, and the CT findings in different types of epilepsy.

### Section 4: PET in Epilepsy

PET is a functional imaging modality that can be used to measure brain activity. This section covers the different PET techniques used in epilepsy, the normal PET appearance of the brain, and the PET findings in different types of epilepsy.

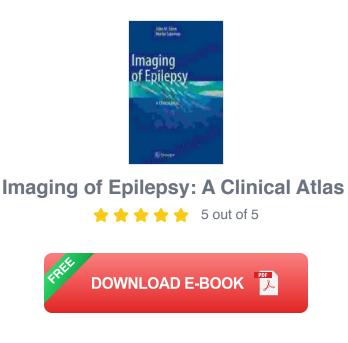
### **Section 5: Clinical Vignettes and Case Studies**

This section presents a series of clinical vignettes and case studies that illustrate the use of imaging in the diagnosis and management of epilepsy. The cases are presented in a question-and-answer format, and they are designed to help readers apply the principles of epilepsy imaging to realworld clinical scenarios.

This book provides a comprehensive overview of the imaging findings in epilepsy, with a focus on clinical applications. It is a valuable resource for clinicians, researchers, and students alike.

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