Neuroradiology
The Essentials with MR and CT
Author: Runge
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Description
An image-rich neuroradiology reference and board prep from renowned experts

Neuroradiology: The Essentials with MR and CT, Second Edition, written by world-renowned neuroradiologist and MRI pioneer Val Runge, builds on the acclaimed prior edition. The splendidly illustrated compendium features in-depth discussion of important imaging findings, focused primarily on common disease processes. An impressive cadre of international experts contribute to the text, which is written from a clinical radiology perspective and draws from firsthand experiences. MRI physics pearls and tips throughout the book will help radiologists avoid common pitfalls.

Designed as a practical educational resource for clinical neuroradiology, the text is divided into three sections: the brain, head and neck, and spine. The brain and spine chapters are divided into subsections covering normal anatomy and major disease categories such as congenital, traumatic, degenerative, vascular, infectious, and neoplastic. Head and neck chapters are organized by major anatomic region. Clinical cases encompass the use of advanced imaging techniques such as perfusion, high-resolution imaging, and spectroscopy.

Key Features
- About 1,300 high-quality MR and CT images illustrate relevant findings and cases, including those often not well-described in more traditional academic textbooks
- New figures, updates on ultra-high-field 7T MRI, and additional in-depth text on cerebrovascular disease – especially brain aneurysms and AVMs
- Covers a wide array of diseases – from stroke and multiple sclerosis to cases one might see once a year, such as glutaric acidemia type 1 and CADASIL
This excellent clinical resource provides a robust study prep for the boards and is a must-read for radiology residents prior to neuroradiology rotation. A quick reference for diagnosing challenging cases encountered in daily practice, it will also benefit neuroradiology fellows and general radiologists.