

# Functional Neuroradiology

[DOWNLOAD HERE](#)

From the contents: Part I. BOLD Functional MRI 1. Principles of BOLD Functional MRI; 2. MRI Scanning Methodologies for fMRI; 3. Data Analysis and Experimental Design; 4. Challenges in fMRI and its Limitations; 5. Clinical Challenges in fMRI; Part II. fMRI Clinical Applications 6. Localization of Brain Activation Centers for Neurosurgical Planning; 7. fMRI of Psychiatric Disorders; 8. fMRI of Memory; 9. fMRI of Language; 10. fMRI Wada Test: Prospects for Presurgical Mapping of Language and Memory; 11. fMRI of Epilepsy; 12. fMRI of Visual Pathway; 13. fMRI of Auditory Cortex; 14. fMRI of Pediatric Applications; 15. fMRI of Pain; 16. fMRI of Pharmacological Applications; 17. Cognitive Neuroscience Applications; Part III. Diffusion Tensor Imaging 18. Basic Physics of DTI; 19. Normal Anatomic Atlas of Common White Matter Tracts using DTI; 20. Clinical Applications of DTI (DTI 2D and 3D Tractology techniques); 21. DTI Surgical Perspectives and Applications of DTI; 22. DTI and fMRI: Review of Complimentary Techniques; Part IV. Perfusion and Diffusion Imaging 23. Basic Physics of Perfusion Gadolinium Bolus Technique: Perfusion and Permeability and Non-Gadolinium (Arterial Spin Labeling) Technique; 24. Basic Physics of Diffusion; 25. Clinical Applications of Perfusion; 26. Clinical Applications of Diffusion; 27. Stroke (Brain Attack): Clinical Applications of Perfusion and Diffusion; Part V: Magnetic Spectroscopy; Part VI: Molecular Imaging; Part VII: Metabolic Imaging; Part VIII: Functional Imaging-Based Diagnostic Strategy: Intraaxial Brain Masses; Part IX: Physiologic Positional Spine Imaging; Part X: Neuroanatomical Atlas BOLD; Part XI: Neuroanatomical Atlas - DTI EAN/ISBN : 9781441903457 Publisher(s): Springer, Berlin, Springer US Format: ePub/PDF Author(s): Faro, Scott H. - Mohamed, Feroze B. - Law, Meng - Ulmer, John T.

[DOWNLOAD HERE](#)

Similar manuals: