Diffusion Weighted and Diffusion Tensor Imaging: A Clinical Guide (Paperback)

By -

Thieme Medical Publishers Inc, United States, 2016. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book. Diffusion-weighted imaging (DWI) is an integral part of routine neuroimaging, used nearly universally in brain MRIs, and more recently for the spine, spinal cord, and head and neck. DWI provides clinically relevant information on conditions including stroke, infection, and neoplasms. Diffusion tensor imaging (DTI) is a powerful, newer technique with the potential for multiple protocols, including the diagnosis of mild traumatic brain injury and psychiatric disorders. Written by leading authorities in neuroradiology and radiology, Diffusion Weighted and Diffusion Tensor Imaging: A Clinical Guide provides key points and summaries on the concepts and applications required for proper implementation and interpretation of DWI and DTI. Key Features: * More than 600 high-quality illustrations* Protocols and applications from early childhood to older adulthood* Methods to differentiate normal versus pathological states* Brain edema pathophysiology and use of DWI to distinguish between cytotoxic and vasogenic edema* Utilization of DWI and DTI to diagnose trauma, white matter disease, tumors, cerebrovascular disease, and head, neck, and spine disorders This concise handbook is an invaluable resource for neuroradiologists and radiologists, as well as fellows and residents in...

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