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Titolo	Magnetic resonance imaging of the brain and spine // edited by Scott W. Atlas
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ISBN	1-4698-6775-3 1-4698-7591-8 978078176985X
Edizione	[Fourth edition.]
Descrizione fisica	1 online resource (1923 p.)
Altri autori (Persone)	AtlasScott W. <1955->
Disciplina	616.8/047548
Soggetti	Central nervous system - Magnetic resonance imaging Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Instrumentation: magnets, coils, and hardware -- Contrast development and manipulation in MR imaging -- Principles of image formation -- Fundamentals of flow and hemodynamics -- Fast imaging principles -- Artifacts in MR -- Disorders of brain development -- Central nervous system manifestations of the phakomatoses -- Epilepsy -- White matter diseases and inherited metabolic disorders -- Adult brain tumors -- Pediatric brain tumors -- Intracranial hemorrhage -- Intracranial vascular malformations and aneurysms -- Cerebral ischemia and infraction -- MR angiography: techniques and clinical applications -- Head trauma -- Intracranial infections -- Normal aging, dementia, and neurodegenerative disease -- The skull base -- The sella turcica and parasellar region -- Anatomy and diseases of the temporal bone -- Eye, orbit, and visual system -- Congenital anomalies of the spine and spinal cord: embryology and malformation -- Degenerative disease of the spine -- Neoplastic disease of the spine and spinal cord -- Spinal trauma -- Vascular disorders of the spine and spinal cord -- Spinal infection and inflammatory disorders -- MR imaging of fetal brain and spine -- Diffusion and diffusion tensor MR imaging: fundamentals -- Perfusion magnetic resonance imaging --

Clinical fMRI -- Psychiatric disease -- Magnetic resonance spectroscopy and the biochemical basis of neurological disease -- Contrast agents and relaxation effects.

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