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Titolo	Atlas of image-guided spinal procedures // edited by Michael B. Furman, Leland Berkwits, Isaac Cohen, Bradly S. Goodman, Jonathan S. Kirschner, Thomas S. Lee, Paul S. Lin
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Disciplina	616.7/3075
Soggetti	Spine - Diseases - Treatment Spinal cord - Wounds and injuries - Treatment Injections, Spinal Radiography, Interventional Spine Fluoroscopy - methods Injections, Spinal - methods Spinal Cord - diagnostic imaging Atlases.
Lingua di pubblicazione	Inglese
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Note generali	Revised edition of: Atlas of image-guided spinal procedures / editor, Michael B. Furman ; associate editors, Thomas S. Lee, Leland Berkwits. ©2013.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Section 1: Introduction. Introduction: how to use this atlas -- Needle techniques -- Fluoroscopic techniques: anatomy and set-up -- Ultrasound techniques and pearls -- Optimizing patient safety and positioning -- Radiation safety -- Section 2: Sacral/coccygeal. Caudal epidural steroid injection--shallow angle approach: fluoroscopic guidance -- Caudal epidural spinal injection--steep angle approach: fluoroscopic guidance -- Caudal epidural steroid injection: ultrasound guidance -- Ganglion impar injection: fluoroscopic guidance -- Ganglion impar injection: ultrasound guidance -- Sacral insufficiency

fracture repair/sacroplasty: fluoroscopic guidance -- Sacroiliac intraarticular joint injections--posterior approach, inferior entry: fluoroscopic guidance -- Sacroiliac intraarticular joint injection: ultrasound guidance -- S1 transforaminal epidural steroid injection -- Section 3: Lumbar/lumbosacral. Lumbar interlaminar epidural steroid injection--paramedian approach: fluoroscopic guidance -- Lumbar transforaminal epidural steroid injection--supraneural, traditional single-needle technique: fluoroscopic guidance -- Lumbar transforaminal epidural steroid injection--supraneural, two-needle technique: fluoroscopic guidance -- Lumbar transforaminal epidural steroid injection--infraneural: fluoroscopic guidance -- Lumbar transforaminal epidural steroid injection--needle localization diagrams -- Lumbar myelography: fluoroscopic guidance -- Lumbar zygapophysial joint intraarticular joint injection--posterior approach: fluoroscopic guidance -- Lumbar zygapophysial joint nerve (medial branch) injection--oblique approach: fluoroscopic guidance -- Lumbar zygapophysial joint nerve (medial branch) radiofrequency neurotomy, posterior approach: fluoroscopic guidance -- Lumbar medial branch blocks--midline: ultrasound guidance -- Lumbar zygapophysial joint innervation--anatomy diagram and lesion zone diagram -- Lumbar sympathetic block: fluoroscopic guidance -- Lumbar provocation discography/disc access: standard fluoroscopic techniques -- L5-s1 disc access: fluoroscopic guidance -- Section 4: Thoracolumbar. Thoracolumbar spinal cord stimulation: fluoroscopic guidance -- Vertebral augmentation (vertebroplasty/kyphoplasty), transpedicular approach: fluoroscopic guidance -- Section 5: Thoracic. Thoracic interlaminar epidural steroid injection--paramedian approach, fluoroscopic guidance -- Thoracic transforaminal epidural steroid injection--infraneural approach -- Thoracic zygapophysial joint intraarticular injection--posterior approach: fluoroscopic guidance -- Thoracic zygapophysial joint nerve (medial branch) injection--posterior approach: fluoroscopic guidance -- Thoracic zygapophysial joint nerve (medial branch) radiofrequency neurotomy--posterior approach: fluoroscopic guidance -- Thoracic zygapophysial joint innervation--anatomy diagram -- Intercostal nerve injections: fluoroscopic guidance -- Intercostal nerve injection--in-plane approach: ultrasound guidance -- Thoracic disc access: fluoroscopic guidance -- Section 6: Cervical. Cervical interlaminar epidural steroid injection--paramedian approach: fluoroscopic guidance -- Cervical spinal cord stimulation, fluoroscopic guidance -- Cervical transforaminal epidural steroid injection: fluoroscopic guidance -- Stellate ganglion injection: fluoroscopic guidance -- Stellate ganglion injection: ultrasound guidance -- Cervical discography/disc access -- Cervical zygapophysial joint intraarticular injection--posterior approach: fluoroscopic guidance -- Cervical zygapophysial joint intraarticular injection--lateral approach: fluoroscopic guidance -- Cervical zygapophysial nerve (medial branch) injection--lateral approach: ultrasound guidance -- Cervical zygapophysial joint nerve (medial branch) injection--lateral approach: fluoroscopic guidance -- Cervical zygapophysial joint intraarticular injection--posterior approach: ultrasound guidance -- Cervical zygapophysial joint nerve (medial branch) radiofrequency neurotomy and nerve injection--posterior approach: fluoroscopic guidance -- Cervical zygapophysial joint nerve (medial branch) radiofrequency neurotomy and nerve injection--posterior approach: ultrasound guidance -- Cervical zygapophysial joint innervation--anatomy diagram and lesion zone diagrams -- Atlantoaxial joint intraarticular injection: fluoroscopic guidance -- Atlantooccipital joint intraarticular injection: fluoroscopic guidance -- Greater occipital nerve steroid

injection-in plane approach: ultrasound guidance -- Section 7:
Additional image-guided procedures for the spine care and pain
specialist: spine pain mimickers. Shoulder region.
Shoulder/glenohumeral joint intraarticular injection--anterior
approach: fluoroscopic guidance -- Intraarticular
shoulder/glenohumeral joint injection--posterior approach: ultrasound
guidance -- Shoulder/subacromial/subdeltoid injection--lateral
approach: ultrasound guidance -- Shoulder/acromioclavicular joint
injection--posterior approach: ultrasound guidance --
Shoulder/suprascapular nerve injection--posterior approach:
ultrasound guidance -- Shoulder/biceps tendon sheath injection--
anterior approach: ultrasound guidance -- Hip region. Intra-articular
hip injection--anterior approach: fluoroscopic guidance -- Intra-
articular hip injection--lateral approach: fluoroscopic guidance --
Intraarticular hip injection--anterior approach: ultrasound guidance --
Greater trochanteric/gluteus medius injection: ultrasound guidance --
Lateral femoral cutaneous nerve injection: ultrasound guidance -- Iliac
crest biopsy/aspiration: fluoroscopic guidance -- Iliac crest biopsy:
ultrasound guidance -- Spine intervention references and tables.

Sommario/riassunto

Give your patients the non-surgical spine pain relief they need with help from the Atlas of Image-Guided Spinal Procedures by Dr. Michael Bruce Furman. This medical reference book features a highly visual atlas format that shows you exactly how to safely and efficiently perform each technique step-by-step. A unique, systematic, safe, and efficient approach makes Atlas of Image-Guided Spinal Procedures your go-to resource for spine pain relief for your patients. The highly visual format shows you exactly how to perform each technique, highlighting imaging pearls and emphasizing optimal and suboptimal imaging. Updated content includes ultrasound techniques and procedures for "spine mimickers," including hip and shoulder image-guided procedures, keeping you on the cutting edge of contemporary spine pain-relief methods.
