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Nota di contenuto	Anatomy and surgical approaches -- History and physical examination -- Radiographic anatomy -- Spinal imaging and diagnostic tests -- Intraoperative neuromonitoring -- Biomechanics of the spine and spinal instrumentation -- Physiology of bone healing and fusion -- Bone grafts, substitutes, and biologics -- Evaluation and management of spinal cord injury -- Cervical spine trauma -- Thoracolumbar spine fractures -- Spinal rehabilitation and disability evaluation -- Biochemical aspects of intervertebral disk degeneration -- Degenerative cervical spine disorders -- Degenerative thoracic spine conditions -- Lumbar disk disease: pathogenesis and treatment options -- Surgical management of lumbar degenerative disk disease -- Lumbar spinal stenosis -- Lumbar spondylolisthesis -- Adult spinal deformity -- Pediatric spinal deformity -- Pediatric cervical spine disorders -- Spinal tumors -- Spinal infections -- Rheumatoid arthritis -- Seronegative spondyloarthropathies.