

1. Record Nr.	UNINA9910300080603321
Titolo	Advances and Technical Standards in Neurosurgery : Volume 41 // edited by Johannes Schramm
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-01830-2
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (179 p.)
Collana	Advances and Technical Standards in Neurosurgery, , 0095-4829 ; ; 41
Disciplina	617.48
Soggetti	Neurosurgery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Advances: Navigation, robotics, and intraoperative imaging in spinal surgery -- Sagittal balance, a useful tool for neurosurgeons? -- Novel surgical approach in the management of longitudinal pathologies within the spinal canal -- Surgery for Kyphosis. Technical Standards: Cervical disc arthroplasty -- Pedicle-based non-fusion stabilization devices -- Juvenile chronic arthritis and the craniovertebral junction in the pediatric patient.
Sommario/riassunto	This volume of Advances and Technical Standards in Neurosurgery is devoted entirely to the spine. Like other volumes in the series, it presents important recent progress in the field and offers detailed descriptions of standard procedures to assist young neurosurgeons. Among the advances considered are approaches to spinal navigation, including intraoperative imaging based navigation, and concepts of spinal robotics. The value of sagittal balance as a parameter for the neurosurgeon is examined, and a novel surgical approach to longitudinal pathologies within the spinal canal is presented. Developments in surgery for kyphosis are also discussed, with a focus on pedicle subtraction osteotomy. The technical standards section critically reviews the latest evidence regarding cervical disc arthroplasty and pedicle-based non-fusion stabilization devices. The book concludes by discussing the treatment of craniovertebral junction instability as a result of juvenile chronic arthritis.

