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Titolo	Cervical Spine : Minimally Invasive and Open Surgery / / edited by Pier Paolo Maria Menchetti
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-21608-2
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (258 p.)
Disciplina	610
Soggetti	Orthopedics Minimally invasive surgery Surgical Orthopedics Minimally Invasive Surgery
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 at the end of each chapters and index.
Nota di contenuto	Anatomy of cervical spine -- Biomechanical evaluation of cervical spine Imaging -- Anesthesiology procedures involved on cervical spine -- Pain management of cervical spine disease -- Percutaneous procedures in cervical disc herniation treatment -- Endoscopy in cervical spine surgery -- Percutaneous posterior facet augmentation in cervical foraminal stenosis -- Anterior cervical decompression and fusion -- Anterior approach and autologous interbody fusion -- Role of cages in anterior cervical surgery -- Cervical prosthetic discs -- Role of materials in cervical spine fusion -- Biomechanical engineering in choice of different stiffness material -- C1-C2 posterior approach -- Screwing of the dens epistropheus -- Transarticular posterior screw fixation -- Posterior open door approach -- Vertebral compression fracture on cervical spine -- Corpectomy in cervical bone metastasis -- Trigeminal neuralgia surgery -- Robotics in cervical spine surgery -- Postoperative physical therapy rehabilitation.
Sommario/riassunto	This book addresses conventional and minimally invasive surgery of the cervical spine to cater for both experts and young surgeons with less experience in this field of surgery. It is written by a group of highly trained specialists from all over the world, who present the

requirements for the most advanced surgical techniques on the cervical spine. Most of the chapters concern the osteodiscoarthrosic pathology, the main condition responsible for chronic cervical and/or radicular pain. Step by step presentations of the most advanced MISS (endoscopy) and standard procedures such as ACDF (anterior cervical decompression and fusion), using cages or autologous bone, posterior approach to axis instability, minimally invasive stabilization systems, and cervical disc arthroplasty are examined for the treatment of the osteodiscoarthrosis. Looking towards the future, this book also includes chapters about the role of materials in cervical spine fusion and biomechanical engineering evaluation in cervical tribology. Considering the growing incidence of cervical spine discoarthrosis, the authors aim to provide an expert overview of cervical spine surgery to assist the medical community with treating this increasingly common pathology.