

1. Record Nr.	UNINA9910778008003321
Autore	Fosdyke Gerald B
Titolo	Coal Mining [[electronic resource]] : Research, Technology and Safety
Pubbl/distr/stampa	New York, : Nova Science Publishers, Inc., 2008
ISBN	1-60876-318-8
Descrizione fisica	1 online resource (314 p.)
Disciplina	622/.334
Soggetti	Coal mines and mining -- Safety measures Coal mines and mining Coal mines and mining - Safety measures Mechanical Engineering Engineering & Applied Sciences Metallurgy & Mineralogy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.

2. Record Nr.	UNINA9910369945003321
Titolo	Spinal Anatomy : Modern Concepts / / edited by Jean Marc Vital, Derek Thomas Cawley
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-20925-3
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (507 pages)
Disciplina	611.9 611.711
Soggetti	Orthopedics Nervous system - Surgery Physical therapy Rheumatology Clinical psychology Rehabilitation Mentally ill - Rehabilitation Orthopaedics Neurosurgery Physiotherapy Rehabilitation Psychology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Section I: Phylogenesis and ontogenesis: 1 Comparative anatomy of the axial skeleton of vertebrates -- 2 Embryology of the spine -- 3 The growing spine -- 4 Growth cartilages of the spine and pelvic vertebra -- 5 Morphological and functional evolution of the aging spine. Section II: Postural Anatomy: 6 Standing up. Its principles. Pelvic spinal relationships -- 7 The hip extension reserve and its relation to the spine -- 8 The EOS system: interest in the overall assessment of the balance of the spine but also its movements and balance. Section III: Descriptive Anatomy: 9 The cranial vertebra -- 10 Surgical anatomy of the vertebral pedicle -- 11 Anatomy of the sacrum: new concepts -- 12

The pelvic vertebra, the cephalic vertebra, and the concept of the chain
Of balance -- 13 Are the "cranial and pelvic vertebrae" true vertebrae?
-- 14 The intervertebral disk -- 15 Anatomy of thoracolumbar
posterior joints -- 16 The spinal ligaments -- 17 Sacro-iliac joints --
18 The normal and pathological spinal muscle -- 19 Configuration of
posterior lumbar muscles. Application for Study Of lumbosacral
malformations -- 20 Muscles and fascia -- 21 Functional anatomy of
the erector of the spine: a review -- 22 The conjunctive structures of
the posterior surface of the trunk -- 23 The spinal canals -- 24 The
spinal cord -- 25 Spinal nerves (spinal innervation) -- 26 Anatomy of
spinal meninges -- 27 Intrinsic innervation of the vertebral column --
28 Vascularization of the spine and cord Functional anatomy -- Section
IV - Functional anatomy -- 29 Systemic approach to the functioning of
the Thoracolumbar spine -- 30 Kinematics of the spine -- 31 Spinal
balance -- 32 Biomechanics and modelling of the spine -- 33 Anatomy
is a living language.

Sommario/riassunto

This richly illustrated and comprehensive book covers a broad range of normal and pathologic conditions of the vertebral column, from its embryology to its development, its pathology, its dynamism and its degeneration. The dynamic anatomy of the living subject is viewed using the latest technologies, opening new perspectives to elucidate the pathology of the spine and improve spinal surgery. The respective chapters review in depth all sections of the vertebral column and offer new insights, e.g. the 3D study of vertebral movements using the "EOS system," which makes it possible to define an equilibrium of posture and its limits. New histological and chemical findings on the intervertebral disc, as well as detailed descriptions of the aponeuroses and fasciae, are also provided. Bringing together the experience of several experts from the well-known French school, this book offers a valuable companion for skilled experts and postgraduate students in various fields: orthopedic surgery, neurosurgery, physiotherapy, rheumatology, musculoskeletal therapy, rehabilitation, and kinesiology.
