

1. Record Nr.	UNINA9910733731303321
Titolo	Handbook of Orthopaedic Trauma Implantology // edited by Arindam Banerjee, Peter Biberthaler, Saseendar Shanmugasundaram
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-6278-4
Descrizione fisica	1 online resource (X, 1390 p.)
Disciplina	616.7
Soggetti	Orthopedics Biotechnology Pròtesis ortopèdiques Ferides i lesions Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Section I: General Introduction to Orthopedic Implantology.-Section II: Principles of Orthopedic Nailing -- Section III: Principles of Orthopedic Plating -- Section IV: Principles of External fixation in Orthopedics -- Section V: Bone replacement in Orthopedic Traumatology -- Section VI: Other implants used in Orthopedic Traumatology -- Section VII: Metallurgy and biomechanics in Orthopedic Implantology -- Section VIII - Strategies in choosing Orthopedic Implants in complicated cases -- Section IX: Orthopedic infrastructure in Implantology -- Section X: Bone healing and removal of implants -- Section XI: Why Orthopedic Implantology is in a state of flux -- Section XII: Changes in attitudes to soft tissue and their effect on implants -- Section XIII: Upper limb Orthopedic Implantology -- Section XIV: Lower limb -- Section XV: Pediatric Orthopedic Implantology -- Section XVI: Orthopedic Implantology in Pelvi-acetabular fractures -- Section XVII: The implantology of spinal surgery.
Sommario/riassunto	This work proposes to cover all the important orthopedic implants and their use in upper and lower limbs. From the invention to pros and cons of the various implants and the logic of why the implants have been developed in their current forms, readers will learn about design,

biomechanics needs, and materials. In addition, the book addresses fracture fixation and general issues contrasting different types of subgroups of implants such as nails versus plates or open reduction internal fixation (ORIF) versus external fixation. The book is divided into various sections including introduction to orthopedic implantology, principles of orthopedic nailing and plating, implants used in orthopedic traumatology, metallurgy and biomechanics, bone healing and removal of implants, orthopedic implantology in upper and lower limbs, orthopedic implantology in spine and pelvis, etc. It has a separate section on pediatric implants, which is quite unique. Written and edited by experienced surgeons from around the globe. Currently there are no specific reference books on this topic. Various commercial companies have operative manuals and inventory lists which detail their own products. This is a highly informative and carefully presented book that serves as both, a practical and theoretical guide for practicing orthopedic surgeons, scientists/researchers, academicians as well as students.

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