

# TUREK'S ORTHOPAEDICS

Principles and Their Applications

Chief Editor: Anil K Jain

Part One: The Basic Sciences | Part Two: General Orthopaedic Conditions

Part Three: Regional Orthopaedic Conditions | Part Four: Special Subjects

*Turek's Orthopaedics* fundamentally deals with two aspects—description of basic science topics relevant to an orthopaedician and discussion on various clinical orthopaedic conditions. These conditions are systematically described under the subheadings of pathogenesis/pathophysiology, imaging studies, diagnosis, conservative/nonoperative, and surgical treatment options. Techniques of certain procedures are also described wherever required.

#### Highlights of the new edition

- Currently followed diagnostic methods, treatment guidelines, and nonsurgical and surgical management of the clinical conditions practised by orthopaedic surgeons in developed and resource-crunch environments
- The descriptions are supported with numerous clinical photographs, radiographic images, line diagrams, and pictures of procedures and techniques
- Three new chapters:
  - *Imaging in Orthopaedics* discusses the use of current diagnostic techniques in orthopaedics, such as MRI and PET scan. It also explains how to choose investigations and management of various ailments
  - *Skin Grafts and Flaps in Orthopaedics* highlights the principles of various skin grafts and how they should be cared for in clinical practice to provide skin cover
  - *Distraction Osteogenesis* describes biological principles of distraction osteogenesis, biomechanical principles of distractions, and their application in achieving deformity correction and limb lengthening
- Rewritten topics with recent advances:
  - Congenital deformity
  - Bone tumors, including metastatic disease of bones
  - Cervical spine and cervicobrachial region
  - Osteoarthritis of hip, osteotomy around hip, hip arthroplasty
  - Arthroscopic procedures in knee, total knee arthroplasty
  - Back, including tuberculosis of spine
  - Peripheral vascular disease

#### Anil K Jain, MS, MAMS, FAMS, FRCS (England)

is currently serving as Head, Department of Orthopaedics, University College of Medical Sciences & Guru Teg Bahadur Hospital, New Delhi. He has a long undergraduate and postgraduate teaching experience of over 32 years. He has contributed immensely to clinical research. He specializes in spinal tuberculosis and has contributed as team lead to frame guidelines for bone and joint tuberculosis for the Ministry of Health, Government of India. He is also trained in spinal surgery from Harlow Wood Orthopaedic Hospital and Royal Hospital for Sick Children, Edinburgh, UK.

Prof. Jain has delivered lectures in several national and international conferences with over 400 presentations to his credit. He has published over 100 papers in national and international journals, peer reviewed journals, and has contributed chapters in several books. He was the Guest Editor to "Clinical Orthopaedics and Related Research" for February 2005 and July 2007 issues on "Tuberculosis of Spine" and "Management of Neglected Trauma." He is also the Editor and Associate Editor of the books *Neglected Musculoskeletal Injuries* and *ASSI Textbook of Spinal Trauma and Infection*, respectively.

He served as the Editor of *Indian Journal of Orthopaedics* from 2006 to 2012. The notable achievement was that IJO got indexed with PubMed and Science Citation Expanded in 2009. He has received several awards including the ASSI (Association of Spinal Surgeons of India) Publication Award (2005, 2011), SN Buxi Best Publication Award of Indian Orthopaedic Association (2005, 2011), and Silver Jubilee Commemoration Lecture Award of IOA (1994). He has served in various academic bodies: President, Indian Orthopaedic Association (2014); Chairman, Superspecialty Training Committee; Chairman, Implant Committee; Chairman, Scientific Committee for IOACON (2006, 2011), etc. He has also been an examiner in many universities and National Board of Examination. He is a firm believer of developing research temper among trainees so that evidence-based solutions can be developed and practised by orthopaedic surgeons in a geographic area with the available infrastructural facilities. Various editorials written by him reflect the fact that the uniform delivery of core education to attain core competence is the key to deliver "minimum standard of orthopaedic care to one and all."

 Wolters Kluwer

7th Edition

Volume  
2

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