

Current Concepts in ACL Reconstruction

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Subjects: Management ACL injuries (anatomy, biology, biomechanics, kinematics, evaluation, imaging, injury mechanism, injury in the skeletally immature patients); ACL reconstruction (technique, graft, portals, computer navigation, single bundle, double bundle, revision, outcome, rehabilitation, future advances)

DESCRIPTION: *Current Concepts in ACL Reconstruction* is a complete reference text composed of the most thorough collection of topics on the ACL and its surgical reconstruction compiled, with contributions from some of the world's experts and most experienced ACL surgeons. Various procedures mentioned throughout the text are also demonstrated in an accompanying video CD-ROM.

PURPOSE: Composing a single, comprehensive and complete information source on ACL including basic sciences, clinical issues, latest concepts and surgical techniques, from evaluation to outcome, from history to future, editors and contributors have targeted to keep the audience pace with the latest concepts and techniques for the evaluation and the treatment of ACL injuries.

AUDIENCE: Orthopedic residents, sports traumatology and knee surgery fellows, orthopedic surgeons, also scientists in basic sciences or clinicians who are studying or planning a research on ACL forms the audience group of this book.

FEATURES: The text is composed of 27 chapters in 6 sections. The first section is mostly about basic sciences, also history of the ACL, imaging, clinical approach to adolescent and pediatric patients are subjected. In the second section, Graft Choices and Arthroscopy Portals for ACL Reconstruction are mentioned. The third section is about the technique and the outcome of the single-bundle ACL reconstruction. The fourth chapter includes the techniques and outcome of the double-bundle ACL reconstruction. In the fifth chapter revision, navigation technology, rehabilitation and the evaluation of the outcome of ACL reconstruction is subjected. The sixth/the last chapter is about the future advances to reach: What We Have Learned and the Future of ACL Reconstruction.

ASSESSMENT: This is the latest, the most complete and comprehensive textbook of ACL reconstruction produced by the editorial work up of two pioneer and masters "Freddie H. Fu MD and Steven B. Cohen MD" with the contribution of world's most experienced surgeons to produce a so called "Bible of ACL". The most current

concepts not only for the clinical approach but the latest knowledge in basic sciences which the clinical concepts are based on also reviewed including biology, biomechanics, and kinematics. Advances in the diagnostic measures mainly MR imaging are also included. "Current Concepts in ACL Reconstruction" is a complete and the most up-to-date review providing the latest techniques for the treatment of ACL injuries in details, including the perspectives of the most experienced ACL surgeons of the world. Rich illustrations and an accompanying video CD-ROM comprehensively demonstrates the procedures and the techniques described in the book. The differences between single and double-bundle techniques, the technical details in different grafts choices, the technique and approach in the revision surgery are described in detail and explained in the anatomical basis. Pearls, technical pitfalls, personal experience and advices of the most experienced ACL surgeons not only from USA but also from the other pioneer countries of the world in ACL surgery may be the most welcomed parts of the book even by the highly experienced ACL surgeons especially for technically demanding procedures like double-bundle reconstruction. Postoperative rehabilitation described in phases provides the current rehabilitation concept after ACL reconstruction. Outcome measures to assess success after surgery are also reviewed and aspects for future are recommended. Principles and experiences in the navigation technologies in ACL reconstruction are providing the reader new perspectives for future possibilities in diagnosis and treatment. Review of basic sciences, advances in technology and clinical approach from history to future also clearly demonstrates the evolution "where are we and the way to go" and future aspects in the treatment of a thorn ACL.

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