1. Record Nr. UNINA9910465055903321

Titolo	The knee [[electronic resource]] : current concepts in kinematics, injury types, and treatment options / / Randy Mascarenhas, editor
Pubbl/distr/stampa	New York, : Nova Science Publishers, Inc., 2012
ISBN	1-61942-278-6
Descrizione fisica	1 online resource (257 p.)
Collana	Muscular System - Anatomy, Functions and Injuries
Altri autori (Persone)	MascarenhasRandy
Soggetti	Knee Knee - Fractures Electronic books.
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 and index.
Nota di contenuto	""THE KNEE CURRENT CONCEPTS IN KINEMATICS, INJURY TYPES, AND TREATMENT OPTIONS ""; ""THE KNEE CURRENT CONCEPTS IN KINEMATICS, INJURY TYPES, AND TREATMENT OPTIONS ""; ""CONTENTS ""; ""PREFACE ""; ""BIOMECHANICAL RESPONSE OF THE KNEE IN SPORTS INJURY SCENARIOS ""; ""ABSTRACT ""; ""1. INTRODUCTION ""; ""Injury in Sports ""; ""Sports Participation ""; ""Injury Incidence ""; ""Risk Factors for Injury ""; ""Knee Biomechanics ""; ""Tissue Properties ""; ""Biomechanical Function of the Knee Joint""; ""Acute Knee Injuries ""; ""Ligamentous Injury ""; ""Analysis of Knee Injury Mechanisms "" ""Experimentally Produced Knee Injuries """"Knee Kinetics ""; ""Post-Traumatic Osteoarthritis ""; ""Risk Factors and Epidemiology ""; ""Bone Bruises ""; ""Osteochondral Microdamage ""; ""2. METHODS ""; ""Knee Specimens ""; ""Data Recording and Statistics ""; ""3. INJURIES DUE TO TIBIOFEMORAL COMPRESSION (TFC) ""; ""Loading Methods ""; ""Results ""; ""DISCUSSION ""; ""4. INJURIES DUE TO INTERNAL TIBIAL TORSION (ITT) ""; ""Loading Methods ""; ""Results ""; ""Discussion ""; ""5. INJURIES DUE TO HYPEREXTENSION (HE) ""; ""Loading Methods ""; ""Results ""; ""Discussion "" ""6. INJURIES DUE TO VALGUS BENDING (VB) """"Loading Methods ""; ""Results ""; ""Discussion ""; ""7. CONTACT PRESSURES ""; ""Methods ""; ""Results ""; ""Discussion ""; ""8. COMPUTATIONAL MODELING OF JOINT INJURY ""; ""Methods ""; ""Results ""; ""Discussion ""; ""9. CONTACT

INDUCED OSTEOCHONDRAL MICROTRAUMA ""; ""Methods ""; ""Results ""; ""Discussion ""; ""10. DISCUSSION AND CONCLUSION ""; ""Isolated ACL Injury ""; ""Tibiofemoral Compression ""; ""Post-Traumatic Osteoarthritis ""; ""CONCLUSION""; ""REFERENCES ""; ""3D COMPUTATIONAL MODELING OF THE HUMAN KNEE IN PHYSIOLOGICAL STATE""
""ABSTRACT"""""1. INTRODUCTION ""; ""2. MATERIAL AND METHODS ""; ""2.1. Knee Joint Geometry ""; ""2.2. Behavior of Biological Tissues ""; ""2.3. Enforcement of Initial Strains ""; ""2.4. Boundary Conditions ""; ""3. RESULTS ""; ""CASE I: Flexion of 60 Degrees of the Femur (Simplified Model) ""; ""CASE II: Static Compression of the Tibia of 1150 N (Full Model) ""; ""CASE III: Flexion of 10 Degree of the Complete Model ""; ""CONCLUSION ""; ""ACKNOWLEDGMENTS ""; ""REFERENCES ""; ""EFFECT OF A LOWER LIMB INJURY PREVENTION PROGRAM ON LANDING POSITION IN FEMALE BASKETBALL ATHLETES""; ""ABSTRACT "" ""INTRODUCTION """"METHODS ""; ""Study Population ""; ""Continuous Jump Testing ""; ""Balance Ability Testing ""; ""Prevention Program ""; ""Statistical Analysis ""; ""RESULTS ""; ""DISCUSSION ""; ""CONCLUSION ""; ""ACKNOWLEDGMENTS ""; ""REFERENCES ""; ""DELETORIOUS EFFECTS OF FATIGUE ON KNEE JOINT PROPRIOCEPTION IN SOCCER PLAYERS ""; ""ABSTRACT ""; ""INTRODUCTION ""; ""METHODS ""; ""Subjects and Study Design ""; ""Assessment of Rate of Perceived Exertion""; ""Assessment of Knee Joint Position Sense ""; ""DATA ANALYSIS ""; ""RESULTS ""; ""DISCUSSION ""; ""CONCLUSION ""; ""REFERENCES ""
""KNEE JOINT KINEMATICS IN HEALTHY CHILDREN AND CHILDREN WITH HYPERMOBILITY SYNDROME ""

2. Record Nr. UNINA9910827036103321

Autore	Jongmanns Marcel
Titolo	Flow control of thermal convection using thermo electro hydrodynamic forces in a cylindrical annulus / / Marcel Jongmanns
Pubbl/distr/stampa	Gottingen : , : Cuvillier Verlag, , 2019
ISBN	3-7369-6044-1
Descrizione fisica	1 online resource (x, 160 pages)
Disciplina	530.138
Soggetti	Reduced gravity environments
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia