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Altri autori (Persone)	MascarenhasRandy
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Nota di contenuto	<p>""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 ""</p> <p>""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 ""</p> <p>""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</p>

""; ""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 ""
