

Journal Of Orthopedics

Volume 5, Number 3, September – December, 2013

CONTENTS

Editorial

- M. Lamontagne.** Why the multidisciplinary research is essential in orthopedics?..... 87

Basic Science

- M. Freddolini, A. Battaglioli, F. Chiechi, A. Georgoulis and G. Cerulli.** Electromechanical delay of the knee flexors muscles after anterior cruciate ligaments reconstruction using semitendinosus tendon. Preliminary study..... 89

- D. Deponti, A. Di Giancamillo, F. Gervaso, C. Scandone, A. Addis, M. Agnoletto, M. Domenicucci, A. Sannino, C. Domeneghini and G. M. Peretti.** Alternative cell sources for tendon/ligament engineering..... 93

- M. Freddolini, A. Battaglioli, F. Chiechi, E. De Canonico, V. Licausi and M. Lamontagne.** Quantitative biomechanical measures to evaluate function and strength after anterior cruciate ligament reconstruction in different rehabilitation stages..... 101

- P. Antinolfi, G. L. Gervasi, S. Pianigiani, A. Speziali, M. Tei, G. Placella, W. Pascale, B. Innocenti and G. Cerulli.** Does Medial Patello-femoral Ligament Reconstruction alter patello-femoral mechanics? A pilot study..... 105

Review Articles

- S. Giannini, D. Luciani, A. Ruffilli and S. Maraldi.** Tendon lesions around the ankle..... 113

- A. Busilacchi, A. Aloisi, D. Enea and A. Gigante.** Biological scaffolds for tendon and ligament repair: new trend..... 123

- M.N. Doral, O. Bilge, K. Buyukdogan, N. Karalezli, M.F. Sargon, H. Bilgili and K.I. Atesok.** Chondrogenetic properties of the synovial tissue and a review of the literature on synovial mesenchymal stromal cells..... 129

Surgical Techniques

- R. Buda, A. Ruffilli, M. Cavallo, G. Pagliazzi, M. Baldassarri, E. Ferranti Calderoni, S. Natali and S. Giannini.** Anatomic all-inside ACL reconstruction: surgical technique and results..... 135

- R. Capanna, P. Cuomo, D.A. Campanacci, G. Scoccianti, G. Beltrami, F. Totti and C. Spizzuoco.** Allograft reconstruction of knee extensor mechanism..... 139

- S. Natali, R. Buda, A. Ruffilli, G. Pagliazzi, M. Baldassarri, E. Ferranti Calderoni, F. Castagnini and S. Giannini.** Anatomic ACL reconstruction using distally inserted doubled hamstrings tendons: surgical techniques and results..... 147