

Contents

EDITORIAL

The importance of research in the practice of physical education and sports activities

Traian Bocu 175

ORIGINAL STUDIES

Interdependence between quality of life, clinical and isokinetic results in knee osteoarthritis patients with joint replacement indication

Ileana Monica Borda, Ioan Onac, Láslo Irsay, Rodica Ungur, Viorela Ciortea, Liviu Pop 177

Antioxidant complex supplementation and aerobic exercise capacity in rats

Anca Lucia Vădan, Remus Moldovan, Simona Tache 182

Pre- and post-surgery changes in the quality of life of patients receiving total hip arthroplasty

Nicolae Filip, Rodica Ciulei, Patricia Pocol, Alexandru Georgescu 188

The correlation between the augmentation index and walking capacity in patients with peripheral arterial disease, with and without intermittent claudication

Cristian Bodescu, Ramona Moldovan Jurcău, Liviu Pop 194

Evolution of muscular strength after total knee arthroplasty

Ileana Monica Borda, Ioan Onac, Láslo Irsay, Rodica Ungur, Viorela Ciortea, Liviu Pop 198

In vitro effects of 100 mJ/cm² UVB radiation on some normal skin cells (Note I)

Hana Decean, Remus Orăsan 203

In vitro effects of 500 mJ/cm² UVB radiation on some normal skin cells (Note II)

Hana Decean, Remus Orăsan 209

Anxiety and salivary cortisol modulation in exercise induced stress, using a phytotherapeutic product containing *Rhodiola Rosea*

Ramona Jurcău, Ioana Jurcău, Cristian Bodescu 213

The oxidant/antioxidant balance in animals exposed to chronic anakinetic stress

Mihaiela Petean, Nicoleta Decea, Simona Tache, Remus Moldovan, Cosmina Bondor 218

Histopathological changes in myocardial and nerve tissue

under the influence of hypobaric hypoxia, physical exercise and antioxidants

Anca Lucia Vădan, Pompei Florin Bolfa, Gabriel Borza, Remus Moldovan, Simona Tache 222

The effects of kinetic physical therapy in the rehabilitation of peripheral arterial disease

Cristian Bodescu, Ramona Moldovan Jurcău, Liviu Pop 229

Medical, demographic and psychological predictors of functional status and postoperative pain in patients with hip arthroplasty

Nicolae Filip, Rodica Ciulei, Patricia Pocol, Alexandru Georgescu 234

Investigations on the organizational and functional milieu of Romanian university sports

Mihaela Popa, Liliana Mihăilescu 241

Effects of mountain tourism practice on aerobic exercise endurance

Gheorghe Lucaciu, Eugen Roșca 248

The evaluation of organizational ambient into sports teams from Iași

Oana Rusu 253

A study on the personality traits of female students representing the Academy of Economic Studies basketball team

Ionela Cristina Nae, Marian Niculescu 260

A study on the efficiency of the attack using attention training in the game of volleyball <i>Eugen Roșca, Gheorghe Lucaciu</i>	267
CASE STUDIES	
The role of physical therapy in the preservation of motor skills in Becker’s muscular dystrophy – a case study <i>Teodora Alina Codrea, Nicolae Horațiu Pop</i>	272
REVIEWS	
Oxidative stress, an essential pathogenic mechanism of osteoarthritis in the elderly <i>Rodica Ungur, Ileana Monica Borda, Laszlo Irsay, Viorela Ciortea, Adriana Ștefănescu, Ioan Onac</i>	276
RECENT PUBLICATIONS	
Book reviews Nicola Hodges, A. Mark Williams (editors). Skill Acquisition in Sport. Research, Theory and Practice <i>Gheorghe Dumitru</i>	281
SCIENTIFIC MANIFESTATIONS	
„George Moceanu” symposium, 2012, June 7th (3) <i>Voichița Rus</i>	283
FOR THE ATTENTION OF CONTRIBUTORS	
<i>The editors</i>	288