

PERFORMANCE AND PLASMA VOLUME  
CHANGES  
Mansour, W. et al [Tunisia]

M50-5  
EFFECT OF CARBOHYDRATE  
SUPPLEMENTATION AT CONTINUOUS  
INTENSIVE EXERCISE  
Ili, V. et al [Brazil]

M50-6  
CARDIAC AUTONOMIC  
REGULATION IS DETERMINED BY  
EXERCISE AND IS INDEPENDENT ON  
MAXIMAL PHYSICAL CAPACITY  
Lima, H. et al [Brazil]

M50-7  
ENERGIC TRANSFERS FROM RUNNING  
TO CYCLING: A CASE STUDY OF  
PERFORMANCE CHANGES IN CYCLING AND  
RUNNING VO2MAX AFTER A BLOCK  
TRAINING INTENSITY AEROBIC INTERVAL  
TRAINING IN AN ELITE CYCLIST  
Lima, H. et al [Norway]

M50-8  
ELECTRICAL IMPEDANCE VECTOR  
ANALYSIS AND ALTITUDE TRAINING IN  
SWIMMERS: PRELIMINARY RESULTS  
Lima, H. et al [Spain]

M50-9  
ELECTRICAL IMPEDANCE ANALYSIS  
METHOD TO ESTIMATE FAT MASS  
IN MALES WITH 21-HYDROXYLASE  
DEFICIENCY?  
Lima, H. et al [Brazil]

M50-10  
EFFECT OF FULL-BODY BIOELECTRICAL  
DANCE VECTOR MIGRATION FOR  
MONITORING HYDRATION STATUS AFTER  
ULTRA-ENDURANCE TRIATHLON  
Lima, H. et al [Spain]

M50-11  
EFFECTS OF FLUID DEPRIVATION ON  
UPPER AND LOWER BODY STRENGTH  
AND HYDRATION STATUS IN AMATEUR  
SOCCER PLAYERS  
Lima, H. et al [United Kingdom]

PP-PM50-12  
HYSTERESIS PHENOMENON IN THE RATE  
OF PERCEIVED EXERTION OF TRIATHLETES  
DURING CYCLING AND RUNNING  
Galán, J. et al [Spain]

PP-PM50-13  
EFFECTS OF TWO DIFFERENT MUSCLE  
STRETCHING METHODS ON FRONT  
CRAWL SWIMMING PERFORMANCE  
Fernandes, R. et al [Brazil]

**PP-PM53 Misc. topics 4**

LECTURE ROOM: AULA MAGNA 3  
Chair(s):  
Daskalovski, B. [Former Yugoslav  
Republic of Macedonia]

PP-PM53-1  
VASCULAR FUNCTION, AEROBIC  
FITNESS AND PHYSICAL ACTIVITY  
IN MAINTENANCE HAEMODIALYSIS  
PATIENTS  
Prescott, S. et al [United Kingdom]

PP-PM53-2  
PHYSICAL FUNCTION OF UPPER-LIMB  
AFTER BREAST CANCER SURGERY  
VARY BY SURGERY TECHNIQUES - A  
PROSPECTIVE 2.5 YEARS FOLLOW UP  
STUDY -  
Sagen, A. et al [Norway]

PP-PM53-3  
EFFECTS OF CONTRAST BATHING  
TREATED BY DIFFERENT ORDER OF  
COLD AND HOT WATER IMMERSION  
ON RECOVERY FROM MUSCLE FATIGUE  
AFTER STRENUOUS ACTIVITY  
Noriko, I. et al [Japan]

PP-PM53-4  
FACTORS RELATED TO KNEE ADDUCTION  
MOMENT DURING GAIT DIFFER WITH  
GAIT PATTERNS IN PATIENTS WITH KNEE  
OSTEOARTHRITIS  
Koyama, Y. et al [Japan]

PP-PM53-5  
THE SEVERITY OF ANEMIA IS ASSOCIATED  
WITH LOW EXERCISE CAPACITY IN  
PATIENTS UNDERWENT CARDIAC

SURGERY  
Lai, Y.L. et al [Taiwan]

PP-PM53-6  
A PROSPECTIVE STUDY ON FULL-BODY  
KINEMATIC RELATED RISK FACTORS IN  
THE DEVELOPMENT OF EXERTIONAL  
MEDIAL TIBIAL PAIN <EMTP>  
Verrelst, R. [Belgium]

PP-PM53-7  
THE RELATIONSHIP BETWEEN  
TOE EXERCISES AND THE MEDIAL  
LONGITUDINAL ARCH OF THE FOOT  
Shiroshita, T. et al [Japan]

PP-PM53-8  
COMPARISON OF DUAL TASK  
PERFORMANCE ON OBSTACLE  
CROSSING AMONG NON-FALLERS,  
SINGLE AND MULTIPLE FALLERS  
Huang, Y.S. et al [Taiwan]

PP-PM53-9  
POLYMORPHISMS IN BETA ADRENERGIC  
RECEPTOR <ADRB> GENES DIFFER  
BETWEEN ATHLETES AND NON-ATHLETIC  
CONTROLS  
Polster, P. et al [Austria]

PP-PM53-10  
THE INFLUENCE OF ACETAMINOPHEN  
ON REPEATED SPRINT CYCLING  
PERFORMANCE  
Foster, J. et al [United Kingdom]

PP-PM53-11  
THE INFLUENCE OF VIBRATION  
FREQUENCY AND AMPLITUDE ON THE  
CO-ACTIVATION DURING A DYNAMIC  
EXERCISE UPON AN UNSTABLE  
VIBRATORY PLATFORM  
Cabello, R. et al [Spain]

PP-PM53-12  
EFFECTS OF A CIRCUIT FOR SENSORY  
MOTOR DURING GAIT DIFFER WITH  
TORQUE AND DYNAMIC BALANCE IN  
OLDER WOMEN  
Avelar, B. et al [Brazil]

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LECTURE ROOM: AULA MAGNA 4  
Chair(s):  
Porcar, C. [Spain]

PP-PM62-1  
ASSOCIATION OF PERSISTENT  
STAPHYLOCOCCUS AUREUS NASAL  
CARRIER WITH HIGH FREQUENCY SKIN  
ABSCESS IN AMERICAN FOOTBALL  
PLAYERS  
Suzuki, K. et al [Japan]

PP-PM62-2  
COGNITIVE DIETARY RESTRAINT:  
PREVALENCE AND ASSOCIATION WITH  
MENSTRUAL DYSFUNCTION IN FEMALE  
RUNNERS  
Belski, R. et al [Australia]

PP-PM62-3  
THERAPEUTICAL USE EXEMPTIONS OF  
ELITE ATHLETES - GLUCOCORTICOID USE  
AND ABUSE  
Andjelkovic, M. et al [Serbia]

PP-PM62-4  
AEROBIC EXERCISE RECOVERS  
DOPAMINERGIC AND SEROTONERGIC  
DYSFUNCTION IN METHAMPHETAMINE-  
INTOXICATED MICE  
Fontes Ribeiro, C. et al [Portugal]

PP-PM62-5  
PLATELET-RICH PLASMA <PRP> TO  
TREAT CHRONIC UPPER PATELLAR  
TENDINOPATHIES  
Kaux, J.F. et al [Belgium]

PP-PM62-6  
THE INFLUENCE OF HORMONAL  
AND BIOCHEMICAL PARAMETERS  
ON THE CHANGES OF VO2MAX IN  
PROFESSIONAL FOOTBALL PLAYERS  
Handziski, Z. et al [Former Yugoslav  
Republic of Macedonia]

PP-PM62-7  
DIFFERENT TYPES OF EXERCISE  
AND LIBERATION OF CIRCULATING  
PROGENITOR CELLS IN PATIENTS WHO  
SUFFERED A TRAUMATIC BRAIN INJURY.

A PILOT STUDY  
Conde, L. et al [Spain]

PP-PM62-8  
THE EFFECT OF ACUTE AEROBIC  
EXERCISE ON SERUM CORTISOL  
AND COGNITIVE FUNCTION IN  
YOUNG ADULTS WITH DIFFERENT  
CARDIORESPIRATORY FITNESS LEVELS  
Tsal, C.L. et al [Taiwan]

PP-PM62-9  
SECONDARY HYPOGONADISM IN  
MALE ATHLETES USING ANABOLIC-  
ANDROGENIC STEROIDS <AAS>  
Jóźwiak, P. et al [Poland]

PP-PM62-10  
AWARENESS SURVEY CONCERNING  
ANTI-DOPING ON TOP-LEVEL HANDBALL  
PLAYERS OF SEVERAL GENERATIONS IN  
JAPAN.  
Kainuma, K. et al [Japan]

PP-PM62-11  
SALIVARY BETA-DEFENSIN 2 INCREASES  
AFTER YOGA EXERCISE  
Eda, N. et al [Japan]

PP-PM62-12  
CONTRIBUTING FACTORS OF THE  
MOTIVATION FOR RECEIVING THERAPY  
ABOUT ACUPUNCTURE IN ATHLETES  
Terada, K. et al [Japan]

**PP-PM15 Health and  
Fitness [HF] 9**

LECTURE ROOM: AULA MAGNA 5  
Chair(s):  
Gratas-Delamarche, A. [France]  
Gómez Cabello, A. [Spain]

PP-PM15-1  
OLDER ADULT'S QUADRICEPS STRENGTH  
IN DEEP WATER RUNNING PROGRAM  
Tamborindeguy, A. et al [Brazil]

PP-PM15-2  
EFFECTS OF COMBINED STRENGTH AND  
ENDURANCE TRAINING ON PHYSICAL  
PERFORMANCE AND HEALTH IN YOUNG  
WOMEN  
Kyröläinen, H. et al [Finland]

PP-PM15-3  
EFFECTS OF CONCURRENT TRAINING ON  
CAROTID INTIMA-MEDIA THICKNESS OF  
MIDDLE-AGE OBESE MEN  
Cavagliari, C. et al [Brazil]

PP-PM15-4  
LOWER EXTREMITY AND CORE MUSCLES  
ACTIVATION DURING AN AQUATIC  
RESISTANCE EXERCISE PERFORMED WITH  
DIFFERENT DEVICES  
Borreani, S. et al [Spain]

PP-PM15-5  
EFFECTS OF STRENGTH TRAINING ON  
OBJECTIVELY RECORDED PHYSICAL  
ACTIVITY IN ELDERLY MEN  
Bernsen, S. et al [Norway]

PP-PM15-6  
INFLUENCE OF PILATES TRAINING ON  
CHRONIC NON-SPECIFIC LOW BACK  
PAIN  
Hautier, C. et al [France]

PP-PM15-7  
AEROBIC EXERCISE TRAINING LOWERS  
CEREBRAL PULSATILITY INDEX AFTER  
ACUTE AEROBIC EXERCISE IN MIDDLE-  
AGED AND OLDER WOMEN  
Nobuhiko, A. et al [Japan]

PP-PM15-8  
THE EFFECTS OF ACCELERATION  
TRAINING ON KNEE FUNCTION  
AND PHYSICAL PERFORMANCE OF  
MIDDLE-AGED AND ELDERLY WOMEN  
WITH CHRONIC KNEE PAIN: ONE YEAR  
INTERVENTION WITH ACCELERATION  
TRAINING  
Yoon, J. et al [Japan]

PP-PM15-9  
ACCELERATION TRAINING FOR  
IMPROVING PHYSICAL FITNESS AND  
WEIGHT LOSS IN OBESE WOMEN  
So, R. et al [Japan]

PP-PM15-10  
STRENGTH TRAINING IMPROVES  
FATNESS, FITNESS AND GLYCEMIA IN  
APPARENTLY HEALTHY OLDER ADULTS  
Wanderley, F. et al [Brazil]