POSTERS: Friday, February 18, 2016 from 08:00-17:00

Board No:

POSTER SESSION: MOVEMENT DISORDERS (I.E., PARKINSON’S DISEASE)

001 EFFECT OF THREE DIFFERENT JAW POSITIONS ON POSTURAL STABILITY DURING STANDING
A. Alghadir, H. Zafar, Z. Iqbal (Kingdom of Saudi Arabia)

002 RELATIONSHIP BETWEEN GAIT MOTION PARAMETERS AND THE MRI FINDING IN PATIENTS WITH
IDIOPATHIC NORMAL PRESSURE HYDROCEPHALUS BEFORE AND AFTER SHUNT SURGERY
I. Kitade, H. Neishi, R. Kita, K.I. Kikuta, C. Yasutake, M. Matsumura, M. Kubota, H. Naruse, S. Shimada (Japan)

003 SMART GAIT-AID GLASSES FOR PARKINSON’S DISEASE PATIENT

004 DEVELOPMENT OF A CLINICAL TOOL FOR MEASURING DYNAMIC BALANCE FUNCTION: A PROOF-OF-
CONCEPT STUDY
M. Mukaino, F. Matsuda, S. Tanabe, R. Sassa, N. Kumazawa, K. Ohtsuka, E. Saitoh (Japan)

005 THE EFFECT OF PHYSIOTHERAPY FOR DROPPED HEAD SYNDROME OF VARIOUS DIAGNOSES
M. Nagaoka, Y. Hayashi, N. Izawa, N. Aida, I. Yonezawa, T. Sato (Japan)

006 THE EFFECT OF PHYSIOTHERAPY FOR DROPPED HEAD SYNDROME IN PARKINSON SYNDROME-A CASE
STUDY
M. Nagaoka, N. Aida, Y. Hayashi, N. Izawa (Japan)

007 Efficacy and safety of a new botulinum toxin type a free of complexing proteins
(MT10107): A randomized controlled study
D.H. Song (Republic of Korea)

008 BONE STRENGTH OF ACYANOTIC CONGENITAL HEART DISEASE

009 REHABILITATION FROM THE GERONTOLOGIST’S VIEWPOINT - 12-YEARS EXPERIENCES WITH THE ELDERLY
ADMITTED TO THE ACUTE GERIATRIC WARDS
P. Weber, H. Meluzinova (Czech Republic)

POSTER SESSION: VERTIGO

010 AN UPDATE ON VESTIBULAR PHYSICAL THERAPY
A. Alghadir, Z. Iqbal, S. Whitney (Kingdom of Saudi Arabia)

POSTER SESSION: NEURODEGENERATIVE DISORDERS (I.E., MULTIPLE SCLEROSIS, ALS)

011 EFFECTS OF MODIFIED CONSTRAINT-INDUCED THERAPY FOR HEMIPLEGIC HAND OF THE PATIENTS
WITH STROKE
J.Y. Wu, W.D. Chang, S. Chen, Y.C. Lan (Taiwan)

012 CAN RADIAL BONE MINERAL DENSITY PREDICT SPINAL BONE MINERAL DENSITY IN ADVANCED DMD
PATIENTS? A PILOT STUDY
H.E. Cho, S.W. Kang, W.A. Choi, J.W. Lee (Republic of Korea)

013 ELECTROPHYSIOLOGIC EVALUATION OF THE SPLIT HAND PHENOMENON IN AMYOTROPHIC LATERAL
SCLEROSIS
C.H. Kim, S.Y. Kwon, S.E. Hong, E.S. Kim (Republic of Korea)

014 PREDICTED VALUE OF SERUM TRANSAMINASE, PYRUVATE KINASE AND LACTATE DEHYDROGENASE
LEVELS IN PATIENT WITH DUCHENNE MUSCULAR DYSTROPHY IN SOUTH KOREA
S.M. Kim, Y.G. Park (Republic of Korea)

015 THE NEW METHOD OF OPTIMIZING AN ANKLE-FOOT ORTHOSIS FOR A PATIENT WITH AMYOTROPHIC
LATERAL SCLEROSIS
K. Kon (Japan)

016 A LONG TERM OUTCOME OF AMYOTROPHIC LATERAL SCLEROSIS
M.R. Suh, J.W. Lee, W.A. Choi, S.W. Kang (Republic of Korea)

POSTER SESSION: CEREBROVASCULAR DISEASES

017 WEGENE’S GRANULOMATOSIS WITH BILATERAL INTRACRANIAL HEMORRHAGE: A CASE REPORT AND
LITERATURE REVIEW
Y.J. Chen, C.Y. Chung, H.F. Wong (Taiwan)

018 THE EFFECTS OF FUNCTIONAL ELECTRICAL STIMULATION APPLIED TO THE GLUTEUS MAXIMUM AND
TIBIALIS ANTERIOR ON GAIT IN PERSON WITH STROKE
E. Lee, M. Cho, M.Y. Lee, Y. Chung (Republic of Korea)
EFFECTS OF LOW-FREQUENCY rTMS COMBINED WITH INTENSIVE SPEECH THERAPY ON CEREBRAL BLOOD FLOW IN POST-STROKE APHASIA: A SINGLE PHOTON EMISSION COMPUTED TOMOGRAPHY STUDY
T. Hara, A. Masahiro (Japan)

A STANDARDIZATION STUDY OF KOREAN VERSION OF COMA RECOVERY SCALE-REVISED (K-CRSR)
H.Y. Jung, S. Pyun, H.J. Yoo, H. Han, E. Kim, D. Jeong (Republic of Korea)

VASCULAR AMNESIA AND QUADRANOPSIA IN A SUBJECT WITH PARAHIPPOCAMPAL STROKE: A CASE REPORT

PREDICTABLE ACCURACY OF THE JAPANESE VERSION OF THE STROKE DRIVERS SCREENING ASSESSMENT
T. Kato (Japan)

THE RELATIONSHIP OF ABDOMINAL MUSCLE CONTRACTIBILITY AND RESIDUAL URINE IN STROKE PATIENT WITH URINARY RETENTION
H.D. Kim, G.Y. Jo, Y.J. Song, D.M. Jeon, S.W. Choi (Republic of Korea)

18F-FP-CIT PET CHANGES IN THE VEGETATIVE PATIENTS AFTER TRAUMATIC BRAIN INJURY

18F-FP-CIT PET CHANGES AFTER AMANTADINE MEDICATION IN PATIENTS WITH TRAUMATIC BRAIN INJURY

RELATIONSHIP BETWEEN STEP LENGTH ASYMMETRY AND STEP LENGTH OF EACH LEG IN STROKE PATIENTS

INJECTING BOTULINUM TOXIN TYPE A INTO THE FLEXOR AND EXTENSOR HALLUCIS LONGUS REDUCED PAIN AND DISCOMFORT BY GREAT TOE FLEXOR DEFORMITY DUE TO STROKE SPASTICITY
Y. Kurihara, H. Tanaka, Y. Masakado (Japan)

EFFECTS OF BOTULINUM TOXIN-A ON THE MUSCLE ARCHITECTURE IN STROKE PATIENTS: AN ULTRASONOGRAPHIC STUDY
C. Lim, S.U. Lee, H.S. Nam (Republic of Korea)

FUNCTIONAL OUTCOMES AFTER INTRAVENTRICULAR EXTENSION OF HEMATOMA DUE TO THALAMIC HEMORRHAGE IN REHABILITATION HOSPITAL

COMPARISON OF FUNCTIONS AND QoL ACCORDING TO HAND DOMINANCE BASED ON THE KOREAN STROKE COHORT FOR FUNCTIONING AND REHABILITATION

THE PROGNOSTIC FACTOR TO ORAL FEEDING ON VIDEOFLUOROSCOPIC SWALLOWING STUDY IN PATIENT WITH POST-STROKE DYSPHAGIA
S.G. Park, G.C. Kim, H.J. Jeong, Y.J. Sim, D.K. Kim, G.Y. Jo (Republic of Korea)

THE VALIDITY OF MULTIPLE REGRESSION ANALYSES PREDICTING WAECR Adult Intelligence SCALE 3rd EDITION (WAIS-III) SCORE IN STROKE REHABILITATION

INTENSIVE REHABILITATION COMBINED WITH BOTULINUM TOXIN TYPE A TREATMENT FOR LOWER-LIMB SPASTICITY IMPROVES GAIT AND BALANCE ABILITY
Y. Uchiyama, R. Hatomoto, K. Takahashi, Y. Wada, M. Katsutani, T. Koyama, N. Kodama, K. Domen (Japan)

POSTER SESSION: SPINAL CORD INJURY

A NOVEL ASSISTIVE DEVICE FOR STAIR-CLIMBING ACTIVITY IN A LOWER THORACIC SPINE COMPLETE SPINAL CORD INJURY PATIENT: A CASE REPORT
J.C. Chen, C.C. Liang (Taiwan)

THE URODYNAMIC RESULTS OF THE PATIENT WITH SPINAL CORD INJURY IN GERIATRIC POPULATION
K. Erten, Y. Demir, K. Aydemir, U. Güzelküçük, B. Yılmaz (Turkey)

AUTONOMIC DYSREFLEXIA DURING URODYNAMIC STUDIES
K. Erten, Y. Demir, K. Aydemir, U. Güzelküçük, B. Yılmaz (Turkey)

NEUROPATHIC PAIN AND QUALITY OF LIFE IN PATIENTS WITH CHRONIC SPINAL CORD INJURY
D.H. Song (Republic of Korea)
POSTER SESSION: ADULT & CHILD DYSPHAGIA

039 EFFECT OF NEUROMUSCULAR ELECTRICAL STIMULATION OF THE SUPRAHYOID MUSCLES BY PUSHING A BAR-TYPE ELECTRODE DEVICE TO THE MUSCLES
J.I. Inobe, T. Kato (Japan)

040 REAL WORLD EFFECTIVENESS OF DYSPHAGIA REHABILITATION ON ORAL INTAKE AFTER ASPIRATION PNEUMONIA IN THE ELDERLY: A RETROSPECTIVE STUDY USING A NATIONAL ADMINISTRATIVE DATABASE IN JAPAN
R. Momosaki, H. Yasunaga, H. Matsui, K. Fushimi, M. Abo (Japan)

041 USE OF INTEGRATED VOLITIONAL CONTROL ELECTRICAL STIMULATOR FOR SUPRAHYOID MUSCLES DURING SWALLOWING
T. Momota, H. Kagaya, E. Saito (Japan)

042 CHARACTERISTICS OF OROPHARYNGEAL DYSPHAGIA IN PATIENTS WITH MULTIPLE SYSTEM ATROPHY

043 PROGNOSIS OF DYSPHAGIA IN PATIENTS WITH CEREBRAL HEMORRHAGE BEING TUBE-FED AFTER REHABILITATION
S. Tanaka, H. Okazaki, S. Maeshima, S. Okamoto, S. Mizuno, A. Naoki, T. Tsunoda, M. Masaki, S. Sonoda (Japan)

044 THE EFFECT OF MOTOR CONTROL ON ORO-FACIAL DYSFUNCTIONS IN STROKE PATIENTS UNDER INDIAN CONDITIONS
A. Varma (India)

045 DETECTION OF THE UPPER RESPIRATORY TRACT LESIONS IN VIDEOENDOSCOPIC EXAMINATION OF SWALLOWING FOR PATIENTS WITH DYSPHAGIA
S. Yura, A. Nakanami (Japan)

POSTER SESSION: CEREBRAL PALSY

046 BOTULINUM TOXIN IN PEDIATRIC SPASTICITY
T. Rizk (Kingdom of Saudi Arabia)

POSTER SESSION: ACUTE MEDICAL REHABILITATION

047 TRIPLE NERVE ENTRAPMENT IN THE UPPER EXTREMITY
Y. Demir, U. Guzelkucuk, E. Yasar, K. Aydemir, A.K. Tan (Turkey)

048 BILATERAL MEYLLER WEISS SYNDROME ACCOMPANIED BY VENOUS INSUFFICIENCY; A CASE REPORT
A. Ural, Y. Demir, K. Aydemir, S. Kuzilmak, A.K. Tan (Turkey)

049 SHRAPNEL INFECTION MIMICKING SEPTIC ARTHRITIS
B. Aras, Y. Demir, K. Aydemir, U. Guzelkucuk, A.K. Tan (Turkey)

050 COINCIDENCE OF FACIAL NERVE PALSYS AND TRIGEMINAL NEURALGIA IN A PATIENT WITH LIVING-KIDNEY TRANSPLANT
Y. Demir, B. Aras, U. Guzelkucuk, K. AYDEMIR, A.K. Tan (Turkey)

051 BILATERAL VASCULAR THORACIC OUTLET SYNDROME
Y. Demir, K. Aydemir, B. Aras, M.A. Taşkaynatan, A.K. Tan (Turkey)

052 PERIFERAL NERVE ENTRAPMENT CAUSED BY SMOKING BONZAI
Y. Demir, K. Aydemir, T. Hatipoğlu, M.A. Taşkaynatan, K. Arif (Turkey)

053 EFFECT OF DEEP CERVICAL FLEXOR MUSCLES TRAINING USING PRESSURE BIOFEEDBACK ON PAIN AND DISABILITY IN SCHOOL TEACHERS WITH NECK PAIN
Z. Iqbal, R. Rajan, S.A. Khan, A. Alghadir (Kingdom of Saudi Arabia)

054 EFFECT OF CHEWING ON POSTURAL STABILITY DURING QUIET STANDING IN HEALTHY YOUNG MALES
A. Alghadir, H. Zafar, S. Whitney, Z. IQBAL (Kingdom of Saudi Arabia)

055 CURRENT STATUS OF CANCER REHABILITATION IN JAPAN AND CHALLENGE
T. Tsuji (Japan)

056 IS IN-HOSPITAL REHABILITATION AFTER FRACTURES OF THE DISTAL PART OF A LOWER LIMB REALLY NECESSARY?
A.A. Tsur, E. Batheesh (Israel)

POSTER SESSION: BURN REHAB

057 CEREBRAL BLOOD VOLUME MR IMAGING OF COGNITIVE NETWORK REORGANIZATION AFTER HIGH-VOLTAGE ELECTRICAL INJURY INTO BRAIN

058 CEREBRAL BLOOD VOLUME MR IMAGING OF PAIN NETWORK REORGANIZATION IN PATIENTS WITH PHANTOM LIMB PAIN AFTER HIGH-VOLTAGE ELECTRICAL INJURY
**POSTERS: Saturday, February 20, 2016 from 08:00 - 17:00**

Board No:

**POSTER SESSION: SPORTS REHAB CONDITIONING, WELLNESS, AND NUTRITION**

001 **PATELLOFEMORAL PAIN SYNDROME: A COMMON CONDITION AMONG YOUNG ADULTS**
Z. Iqbal, N. Hamdani (Kingdom of Saudi Arabia)

002 **PERCEPTION ABOUT THE IMPORTANCE AND USE OF THERAPEUTIC MASSAGE AS A TREATMENT MODALITY AMONG PHYSICAL THERAPISTS WORKING IN SAUDI ARABIA**
H. Zafar, K. Oluseye, A. Alghadir, Z. Iqbal (Kingdom of Saudi Arabia)

003 **ASSOCIATION BETWEEN PREVIOUS EXPERIENCE OF EXERCISE TRAINING UNDER APPROPRIATE SUPERVISION AND KNOWLEDGE OF STRETCHING AMONG UNIVERSITY STUDENTS**
K. Oshita, T. Tsuno, R. Miyazaki, G. Hagiwara, T. Tashiro, Y. Higuchi, K. Funatsu (Japan)

004 **BOTULINUM TOXIN A AS A TREATMENT FOR PLANTAR FASCIITIS: A CASE REPORT**
D.H. Song (Republic of Korea)

**POSTER SESSION: LOW BACK PAIN**

005 **STRESS FRACTURE OF THE PELVIS: A CASE REPORT**
Y. Demir, A. Uuran, K. Avdemir, A.K. Tan (Turkey)

006 **ROLE OF DIFFERENT MOBILISATION TECHNIQUES IN MECHANICAL LOW BACK PAIN - A REVIEW**
Z. Iqbal, A. Alghadir (Kingdom of Saudi Arabia)

007 **SCOLIOSIS: REVIEW OF TYPES OF CURVES, ETIOLOGICAL THEORIES AND CONSERVATIVE TREATMENT**
H. Shakil, Z. Iqbal, A. Alghadir (Kingdom of Saudi Arabia)

008 **RISK FACTORS, ESPECIALLY PELVIC ALIGNMENT, CORRELATED WITH WORSENING OF LUMBOPELVIC PAIN DURING PREGNANCY**

009 **TORTICOLLIS DUE TO INFLAMMATION OF THE ATLANTOAXIAL JOINT IN JUVENILE IDIOPATHIC ARTHRITIS (ENTHESITIS RELATED ARTHRITIS): A CASE REPORT**
J. Park, D.H. Sung (Republic of Korea)

**POSTER SESSION: IMPELLIMENT SYNDROMES**

011 **THE USEFULNESS OF MUSCLE ECHOCGENIC INTENSITY RATIO ON ULTRASOUND IN CARPAL TUNNEL SYNDROME -PRELIMINARY STUDY-**
J.S. Jeong, J.S. Yoon, Y.C. Jeong (Republic of Korea)

**POSTER SESSION: GERIATRIC REHABILITATION**

012 **THE DIFFERENCE OF GAIT SPEED PERFORMANCE AND ITS CUT-OFF VALUE BETWEEN FALLERS AND NONFALLERS IN TAIWANESE ABORIGINAL COMMUNITY-DWELLING ELDERLY WOMEN**
Q.X. Chang, J.C. Chen (Taiwan)

013 **CAPTURE THE FRACTURE: SCREENING THE OSTEOPOROSIS WITH QUANTITATIVE ULTRASOUND(QUS) AND FRAX IN TAIWAN MEDICAL CENTER**
K.C. Chen, T.C. Lin, C.M. Chiu (Taiwan)

014 **ECONOMIC AND LIVING STATUS OF COMMUNITY OLDER ADULTS AND THE RELATED FACTORS**
M.C. Chen, K.M. Chen (Taiwan)

015 **THE EFFECT OF MECHANICAL MASSAGE ON EARLY OUTCOME AFTER TOTAL KNEE ARTHROPLASTY: A PILOT STUDY**
S.M. Kim, Y.K. Lee, B.R. Kim, E.Y. Han (Republic of Korea)

016 **IMPACT OF NUTRITIONAL STATUS AND COGNITIVE FUNCTION ON WALKING ABILITY AFTER PROXIMAL FEMORAL FRACTURE**
K. Miyakoshi, H. Kuroda, H. Eguro, A. Watanabe, T. Kameoka, T. Nakatani (Japan)

017 **CAN KINEMATIC DATA FROM ACCELEROMETERS BE USED TO COMPUTE MUSCLE FORCE GENERATED BY MUSCLES?**
B.S. Rajaratnam, J.M. Lim (Singapore)

018 **WHAT ARE MAJOR UNMET NEEDS OF REHABILITATION SERVICE OF KOREAN CANCER SURVIVORS?**
Y. Yi, J.Y. Lim, E.J. Yang (Republic of Korea)
POSTERS: Sunday, February 21, 2016 from 08:00-17:00

Board No:

POSTER SESSION: PERFORMING ARTS REHAB: DANCE, MUSIC, AND THEATER

001 MUSCULOSKELETAL PAIN AND ITS INFLUENCE ON MUSICAL PRACTICE AMONG PROFESSIONAL AND AMATEUR MUSICIANS
A. Sommella, A. De Sire, E.P. Chiuccariello, I. Riccio, F. Gimigliano (Italy)

POSTER SESSION: PLATELET-RICH PLASMA AND REGENERATIVE THERAPY

002 TREATMENT OF A TRIANGULAR FIBROCARTILAGE COMPLEX INJURY USING PROLOTherAPY: A CASE STUDY
K.C. Chen, P.C. Strong, C.M. Chiu (Taiwan)

POSTER SESSION: COMPLIMENTARY AND ALTERNATIVE MEDICINE

003 COMPARISON OF PARAMETERS OF THE VOICE ASSESSMENT BETWEEN SUCCESS AND FAILED PATIENTS WITH UNILATERAL VOCAL FOLD PARALYSIS AFTER AUTOLOGOUS FAT INJECTION LARYNGOPLASTY

004 USING ELASTIC BAND EXERCISES TO IMPROVE ACTIVITIES OF DAILY LIVING AND FUNCTIONAL FITNESS OF NURSING HOME DEMENTED OLDER ADULTS IN WHEELCHAIRS
C. Meng-chun, C. Kuei-Min (Taiwan)

005 EFFECTS OF THE HORTICULTURE THERAPY ON ACTIVITIES OF DAILY LIVING, HAPPINESS, MEANING OF LIFE, AND INTERPERSONAL INTIMACY AMONG OLDER ADULTS IN LONG-TERM CARE FACILITIES
Y.F. Yao, K.M. Chen (Taiwan)

006 THE EFFECT OF WHOLE BODY VIBRATION EXERCISE ON FUNCTIONAL CAPACITY, GLYCEMIC PROFILE AND BODY WEIGHT IN PEOPLE WITH TYPE II DIABETES: A SYSTEMATIC REVIEW
J. Zhang, H. Zhang, L. Kan, P. Wang (China)

POSTER SESSION: DISASTER RELIEF REHAB

007 REHABILITATION APPROACH TO DISASTERS IN THE NIIGATA PREFECTURE OF JAPAN
S. Kimura (Japan)

008 THE COMPLEXITY OF DISASTER RECOVERY PROCESS
C. Marcean (Romania)

POSTER SESSION: PROSTHETICS-ORTHOTICS

009 A RARE SKIN LESION ON THE STUMP: LICHEN SIMPLEX CHRONICUS
K. Aydemir, Y. Demir, S. Kizilirmak, A.K. Tan (Turkey)

010 EFFECT OF ROCKER SHOES ON BODY CENTER OF MASS MECHANICAL ENERGY CONVERSION EFFICIENCY DURING WALKING

011 A METHOD FOR MEASURING THE CENTER OF MASS OF THE HUMAN BODY USING KINECT SENSORS

012 EFFECT OF ANKLE-FOOT ORTHOSIS ON KINESIOLOGICAL ASPECTS IN UN-STABILIZER GAIT
W. Kikuchi, M. Yokota, E. Saitoh, T. Teranishi, K. Ohtsuka, Y. Aoyagi (Japan)

POSTER SESSION: ROBOTICS

013 EVALUATION OF SAFETY AND EFFICACY OF NEWLY DEVELOPED AUTOMATIC URINARY CATHETERIZATION DEVICE

014 DEMAND SURVEY FOR FUNCTIONS OF BRAIN-MACHINE INTERFACE SYSTEM IN SEVERELY DISABLED PERSONS
H.S. Nam, H.G. Seo, J.H. Leigh, M.S. Bang (Republic of Korea)