

Plenary Hall A,
Level 4

International PRM

8:30AM-10:00AM

Chairs: Marta Imamura, Leonard Li

8:30 AM - 8:40AM

Opening remarks

8:40 AM - 9:00AM

WHO global strategy of disability and rehabilitation

WHO officer

9:00 AM - 9:20AM

Chinese experience to implement WRD

MOH officer

9:20 AM - 9:40AM

Brazil experience to implement WRD

Linamara Battistella

9:40 AM - 10:00AM

ISPRM strategy in global PRM

Gerold Stucki

10:00 AM - 10:30AM

Tea break

From Tradition to Modern

10:30AM-12:00AM

Chairs: Jorge Lains, Zongyao Wu

10:30AM - 11:15AM

Integration of west and east theory and practice in physical and rehabilitation medicine

Jianan Li, Lidian Chen

11:15AM - 12:00AM

Advances in rehabilitation robotics

Alberto Esquenazi

**301AB,
Level 3**

Exercise

15:30-17:00

Chairs: Walter R. Frontera, Christina Hui-Chan

15:30-15:50

Exercise in elderly: the case for Tai chi
Walter R. Frontera

15:50-16:10

Analysis of Tai Chi Exercise Protocols for Older Adults with Balance Deficit
Hao (Howe) Liu

16:10-16:30

Improvement of motor control by Tai Chi
Alice May-Kuen Wong

16:30-16:50

The Promise of Tai Chi: An anti-aging and therapeutic tool for balance.
Christina Hui-Chan

16:50-17:00

Discussion

**302AB,
Level 3**

Tele-medicine in Rehabilitation

15:30-17:00

Chairs: Daniel Wever, Lijuan Ao

15:30-15:50

Tele-Rehabilitation knock the door—A new service model in need
Yun Qu

15:50-16:10

State of the art of telemedicine in PRM (OK)
Daniel Wever

16:10-16:30

A Tele-cognitive rehabilitation system for patients with acquired brain injuries
Xiaoping Yun

16:30-16:50

In vivo 3D kinematic analysis of human joints and the innovation of tele-rehabilitation
Kazuomi Sugamoto

16:50-17:00

Discussion

**303AB,
Level 3**

Neuroscience

15:30-17:00

Chairs: Xiaosong Gu, Hua Yuan:

15:30-15:50

The study on the intervention mechanisms of *Angelica sinensis* and active components for the ischemic cerebral injury

Weijing Liao

15:50-16:10

Distribution of Mechanosensitive Ion Channels and Character of Correlative Membrane Protein on Rat Dorsal Root Ganglion

Shouwei Yue

16:10-16:30

Tissue-engineered nerve grafts for repairing peripheral nerve gap

Xiaosong Gu

16:30-16:50

The analysis on mechanism of quantitative exercise promoting brain plasticity after stroke

Yongshan Hu

16:50-17:00

Discussion

**306AB,
Level 3**

Bionic Reconstruction & Rehabilitation

15:30-17:00

Chairs: Veronika Fialka-Moser, Tao Xu

15:30-15:40

Centre for bionic reconstruction - christian-doppler laboratory

Veronika Fialka-Moser

15:40-15:50

Bionic reconstruction of the upper extremity

Oskar Aszmann

15:50-16:00

Improvements of the biotechnological interface in transhumeral amputees

S Salminger

16:00-16:10

A quantitative analysis of the sensory and motor fibers of the brachial plexus in man

B Gesslbauer

16:10-16:20

Functional outcome of transradial transplantation vs. bionic reconstruction

S Salminger

16:20-16:30

TechNeuro rehabilitation (TNR): a new concept in prosthetic rehabilitation

Malvina Herceg

16:30-16:40

Applied vibrotactile feedback patterns for upper limb prostheses

C Prahm

16:40-16:50

EMG-guided training and testing in rehabilitation for patients after targeted muscle reinnervation

A Sturma

16:50-17:00

Development of closed loop biofeedback controlling in transradial amputees

D Farina

**307AB,
Level 3**

Rehabilitation Robotics

15:30-17:00

Chairs: Jiping He, Li-qun Zhang

15:30-15:55

Robotic offaxis sensory-motor rehabilitation of musculoskeletal injuries and neurological disorders.

Li-qun (Larry) Zhang

15:55-16:20

Cardiac-respiratory responses to robotic training for tetraplegics

Gabi Zeilig

16:20-16:45

The development of robotic training and research on rehabilitation in China

Sheng Bi

16:45-17:00

Discussion

**308,
Level 3**

**Scoliosis
15:30-17:00**

Chairs: Stefano Negrini, Shawn He

15:30-15:50

Evidence based SOSORT guidelines on scoliosis conservative treatment: bracing, exercises and practical approach

Stefano Negrini

15:50-16:10

State of the art in conservative management of scoliosis

Hans-Rudolf Weiss

16:10-16:30

Application of soft brace in scoliosis treatment

Shawn He

16:30-16:50

Conservative Treatment for Scoliosis: Development, Obstacles & Opportunities

Joseph P. O'Brien

16:50-17:00

Discussion

**309A,
Level 3**

**Update in Electrodiagnosis in Latin America: "Measures, pitfalls and controversies in Electrodiagnosis"
15:30-17:00**

Chairs: Juan Manuel Guzman G.

15:30-15:35

Introduction

Juan Manuel Guzman G.

15:35-15:55

How do you measure up? Quantitation in Edx Medicine

Jorge E. Gutierrez Colombia

15:55-16:15

Common pitfalls en EMG and how to avoid them

Carlos Rangel Colombia

16:15-16:35

Controversies in specific conditions in EMG: Outlet Thoracic Syndrome, Piriformis Syndrome

Juan Lacuague Uruguay

16:35-16:55

Common pitfalls in Edx and how to avoid them

Juan Manuel Guzman G. México

16:55-17:00

Conclusion

**311A,
Level 3**

Arthritis and Osteoporosis

15:30-17:00

Chairs: Fitnat Dincer, Ling Li

15:30-15:55

Effects and mechanism of physical modalities in knee osteoarthritis

Chengqi He

15:55-16:20

Recent advanced rehabilitation of Osteoarthritis

Mao-Hsiung Huang

16:20-16:45

Evidence based medicine in the diagnosis and management of hand osteoarthritis

Fitnat Dincer

16:45-17:00

Discussion

**311B,
Level 3**

Quality Control of Rehabilitation Facilities

15:30-17:00

Chairs: John Melvin, DeJong Gerben

15:30-15:50

Using CARF standards to build excellence in rehabilitation programs

Christine M. MacDonell

15:50-16:10

Benefits of CARF accreditation

John Melvin

16:10-16:30

Rehabilitation quality metrics in the wake of american health care reform and their implications for other nations

Gerben DeJong

16:30-16:50

Getting Brazil on CARF's map

Christina May Moran de Brito

16:50-17:00

Discussion

**301AB,
Level 3**

EMG

8:30-10:00

Chairs: Jun Kimura, Tiecheng Guo

8:30-8:50

Practice use of Electrodiagnosis for determining prognosis and guiding rehabilitation after acute nerve injury

Robert Weber

8:50-9:10

Troubleshooting in electrodiagnosis

Ralph Buschbacher

9:10-9:30

F wave and H reflex as a measure of excitability of the spinal motoneurons

Jun Kimura

9:30-9:50

Neurophysiological studies following total C7 nerve transection for restoration of injured peripheral and central function

Yu Zhu

9:50-10:00

Discussion

Fibromyalgia

10:30-12:00

Chairs: Marta, Shouwei Yue

10:30-10:50

Management of chronic pain: why and how to use a multidisciplinary rehabilitation approach

Sri Vasudevan

10:50-11:10

Myofascial Pain and chronic pain (OK)

Yoon Kyo Kang

11:10-11:30

Single Fiber electromyographic study in myofascial pain syndrome

Chein-wei Chang

11:30-11:50

Current studies of myofascial pain syndrome

Ta-Shen Kuan

11:50-12:00

Discussion

Cardiac Rehabilitation

15:30-17:00

Chairs: Shigeru Makita, Xiao Lu

15:30-15:50

Thema: Comprehensive cardiac rehabilitation in severe heart failure patients with left Ventricular Assist Device
Shigeru Makita

15:50-16:10

Cardiovascular Care Transitions & Rehabilitation Services from Hospital to Community
Ana Mola

16:10-16:30

Cardiac rehabilitation for physiatrists: challenges, opportunities and new technologies
Matthew Bartels

16:30-16:50

Physiological ischemic training in rehabilitation of ischemic diseases: from theory to clinical practice
Xiao Lu

16:50-17:00

Discussion

**302AB,
Level 3**

Cerebral Palsy

8:30-10:00

Chairs: Chang-il Park, Zhen Huang

8:30-8:55

The rehabilitative management of cerebral palsy
Chang-il Park

8:55-9:20

New innovations in pediatric rehabilitation
Margaret Turk

9:20-9:45

The epidemiological characteristics of children with cerebral palsy in china
Xiaojie Li

9:45-10:00

Discussion

Cerebral Palsy

10:30-12:00

Chairs: Migrate Turk, Qing Du

10:30-10:50

Current principles and practices to maximize function in children with cerebral palsy and spinal bifida
Sam S.H. Wu

10:50-11:10

Current intervention in children with cerebral palsy
Chia-Ling Chen

11:10-11:30

Bridging care for people with cerebral palsy: transitioning care from childhood to adults(OK)

Heakyung Kim

11:30-11:50

The problems which should be noticed in rehabilitation therapy of cerebral palsy(OK)

Nong Xiao

11:50-12:00

Discussion

Pediatric Rehabilitation

15:30-17:00

Chairs: Bong OK Kim, Xiaojie Li

15:30-15:50

Genetically transmitted diseases leading to physical disability in childhood

Ajit kumar Varma

15:50-16:10

Disability and rehabilitation in children with spinal bifida (OK)

Nobuhiko Haga

16:10-16:30

Applying picture exchange communication system (pecs) training: a communication- based intervention for nonverbal children with autism (OK)

Zhimei Jiang

16:30-16:50

Rehabilitation care for the spinal misalignment in children before it is too late

Bong Ok Kim

16:50-17:00

Discussion

**303AB,
Level 3**

FES and Burn

8:30-10:00

Chairs: Yoichi Shimada, Tiebin Yan

8:30-8:55

Series RCT study of functional electrical stimulation improves the functional recovery of stroke subjects with either acute and chronic phase

Tiebin Yan

8:55-9:20

Successful achieving of early independence, mobility and psychic support to people with major burns, from infancy to elderly

Mario Giraldo-Prieto

9:20-9:45

A survey on the current status of burn rehabilitation services in China

Jian Chen

9:45-10:00

Discussion

Regeneration and Plasticity

10:30-12:00

Chairs: Christoph Schmitz, Weijing Liao

10:30-10:50

The clinical trial on axon regeneration in the Central Nervous System

Wai Sang Poon

10:50-11:10

Recovery of locomotion after spinal cord injury: lumbar microenvironment and activity-dependent plasticity

Michele Basso

11:10-11:30

Molecular mechanisms on musculoskeletal repair

Christoph Schmitz

11:30-11:50

Glial cell transplantation-mediated axonal regeneration after spinal cord injury

Xiao-ming Xu

11:45-12:00

Discussion

Stem Cell and Rehabilitation

15:30-17:00

Chairs: George Kraft, Xiaoming Xu

15:30-15:55

The North American experience with stem cell transplantation to treat Multiple Sclerosis

George H. Kraft

15:55-16:20

Exercise stimulates neural cells migration of neuroprotective effects against ischemia-reperfusion injury in A2A adenosine receptor knockout mice

Xiang Chen

16:20-16:45

Recovery neurobiology for SCI: Insight gleaned from Stem Cell-based Multimodal Studies

Yang (Ted) D. Teng

16:45-17:00

Discussion

**305,
Level 3**

WFOT session

13:30-15:00

Chairs: TBD

13:30-14:00

WFOT Global Health Initiatives with emphasis on physical medicine and rehab, neurorehabilitation, psychiatry, and services for people with non communicable diseases

Sharon Brintnell

14:00-14:20

Living with acquired disability: Occupational therapy enables community participation

Kit Sinclair

14:20-14:40

Occupational therapy workplace interventions for injured workers

Marilyn Pattison

14:40-15:00

Inter-professional collaboration to promote policy development in emerging areas of practice

Panel discussion

Rehabilitation routes in Italy : from clinical evidence to daily practice .

15:30-17:35

Chairs: Vincenzo Saraceni

15:30-15:35

Opening Remarks

15:35-15:50

Education and Continuous Professional Development for PRM in Italy

Stefano Negrini

15:50-16:05

Routes for Research in PMR in Italy

Vincenzo Saraceni- MariaGabriella Ceravolo

16:05-16:20

The 2011 National Plan for Rehabilitation

Alessandro Giustini

16:20-16:35

New Frontiers in Stroke Rehabilitation

Marco Franceschini.

16:35-16:50

Severe Brain Injury rehabilitation: an emerging problem

Mauro Zampolini

16:50-17:05

New insights in the Physiatric approach to knee osteoarthritis

Francesca Gimigliano

17:05-17:20

Pelvic Floor Rehabilitation: techniques, indications and EBM.

Paolo Di Benedetto

17:20-17:35

Evidence-based rehabilitation and management after surgery for hip fractures and hip replacement : the Italian experience.

Massimo Vallasciani

17.35

Questions and Closing Remarks..

**306AB,
Level 3**

Brain Injury

8:30-10:00

Chairs: David X. Cifu, Henry L. Lew

8:30-8:50

State of the Art Assistive Technology (AT) for TBI Rehabilitation: Overview of the AT-Center of Excellence in the US Department of Veterans Affairs

David X. Cifu

8:50-9:10

Sensory and Communication disorders in traumatic brain injury (TBI)

Henry L. Lew

9:10-9:30

Effort and response bias issues in TBI: clinical and research caveats and controversies

Nathan Zasler

9:30-9:50

Medical Physical and Psychosocial Outcomes up to Ten Years Post Traumatic Brain Injury

John Olver

9:50-10:00

Discussion

Brain Injury

10:30-12:00

Chairs: Nathan Zasler, Xiaoling Huang

10:30-10:50

Recent Advances in TBI Research

Ross Zafonte

10:50-11:10

Evaluation of pharmacological interventions to aid with recovery after TBI

Thomas K. Watanabe

11:10-11:30

Aging with traumatic brain injury: recent advances and long term medical Problems

Steven Flanagan

11:30-11:50

Multifunctional strategies targeting injury mechanisms in traumatic brain injury

Szu-fu Chen

11:50-12:00

Discussion

Dysphagia Rehabilitation

15:30-17:00

Chairs: Jeffrey B. Palmer, Eiichi Saitoh

15:30-15:55

The physiological approach to dysphagia rehabilitation

Jeffrey B. Palmer

15:55-16:20

Basic Mechanism of improvement in dysphagia of stroke patients in subacute stage-by kinematic analysis

Tai Ryoan Han

16:20-16:45

Application of 320-ADCT to dysphagia rehabilitation

Eiichi Saitoh

16:45-17:00

Discussion

**307AB,
Level 3**

WCPT

8:30-10:10

Chairs: Catherine Sykes, Alice Jones

8:30-8:40

Welcome & Introduction
Physical therapists as integral
members of the rehabilitation team

Marilyn Moffat

8:40-9:10

The ICF: a tool to identify and prioritise
indicators for physical therapy
interventions to improve or sustain
levels of functioning

Catherine Sykes

9:10-9:40

Experiences and outcomes in the early
years of a "Service of Assessment and
Guidance in Rehabilitation" for people
with disability in Beijing

Celestina Tremolada

9:40-10:10

The evidence for early intervention
by physical therapists in influencing
recovery for ventilated patients in ICU

Alice Jones

WCPT

10:30-12:00

Chairs: Margot Skinner, Marilyn Moffat

10:30-11:00

The physical therapist's role in
preventive education and rehabilitation

for managing the global epidemic –
non communicable diseases (NCDs)

Margot Skinner

11:00-11:30

Physical therapist interventions for
the aging population – keeping this
population moving through physical
therapy

Marilyn Moffat

11:30-11:50

Discussion and closing

Rehabilitation Robotics

15:30-17:00

Chairs: Hermano Igo Krebs, Sam Wu

15:30-15:50

Rehabilitation robotics: investigating
order-effect and motor interference

Hermano Igo Krebs

15:50-16:10

Home or community based stroke
therapy assisted by rehabilitation
robotic systems

Jiping He

16:10-16:30

A physician's guide to assistive
devices in the 21st century: robotic
exoskeletons, augmentative
communication devices and bionic eyes

Sam S.H. Wu

16:30-16:50

Application of EEG-based brain
computer interface to movement
disorders

Tetsuo Ota

16:50-17:00

Discussion

308,
Level 3

SCI Management
8:30-10:00

Chairs: Douglas Brown, Guangxu Xu

8:30-8:50

The acute management of traumatic
Spinal Cord Injuries

Douglas Brown

8:50-9:10

Natural killer cell activity during
exercise in persons with spinal cord
injury

Fumihito Tajima

9:10-9:30

International Autonomic standards
and assessments of autonomic
dysfunctions following spinal cord
injury: past, present, and future

Andrei Krassioukov

9:30-9:50

In-patient care for patients with acute
spinal cord injury

Robert Gao

9:50-10:00

Discussion

SCI Management

10:30-12:00

Chairs: Fin Biering-Sørensen, Jianjun Li

10:30-10:50

Concept and implementation of the
International Spina Cord Injury Data
Sets

Fin Biering-Sørensen

10:50-11:10

Experience of spinal cord injury
rehabilitation in CRRC.

Jianjun Li

11:10-11:30

Spinal cord injury, from acute phase
to chronic complication (experience in
Iran)

Farzaneh Torkan

11:30-11:50

Lives of women with SCI in community
(Thailand)

Apichana Kovindha

11:50-12:00

Discussion

SCI New Visions

15:30-17:00

Chairs: Lisa Harvey, Dajue Wang

15:30-15:50

Spinal cord repair - regeneration or
neuroplasticity?

Dajue Wang

15:50-16:10

www.elearnSCI.org – a global initiative
of ISCoS to provide free online
training to health professionals in the
management of spinal cord injuries (OK)

Lisa Harvey

16:10-16:30

Assessment of the ability realization after spinal cord injuries, as a model for the assessment of achievements in rehabilitation medicine

Amiram Catz

16:30-16:50

Dietary strategies for spinal cord injury in rats

Wolfram Tetzlaff

16:50-17:00

Discussion

**311A,
Level 3**

MSK Treatment

8:30-10:00

Chairs: Jimmy Cui, Changjie Zhang

8:30-8:50

Ultrasound and sonoelastography diagnosis, and ultrasound guided platelet-rich plasma injection in tendon pathology

Gi-Young Park

8:50-9:10

Physiotherapy and rehabilitation for hemophilia after musculoskeletal bleeds

Ying Liu

9:10-9:30

injection therapy for patients with osteoarthritis

Jimmy Cui

9:30-9:50

Non-Surgical Spinal Decompression System (SDS) for the treatment of spinal discgenic pain

Lehua Yu

9:50-10:00

Discussion

MSK Ultrasound

10:30-12:00

Chairs: Fuk-Tan Tang, Sheng Bi

10:30-10:50

Application of ultrasound-guided injection technique in the treatment of low back pain

Carl P.C. Chen

10:50-11:10

Ultrasound Guided Pain Procedures For The Physiatrist

Mathew Pingree

11:10-11:30

Echo-guided injection for musculoskeletal pain

Simon Fuk-Tan Tang

11:30-11:50

Ultrasound-mediated gene transfection and drug delivery

Wen-Shiang Chen

11:50-12:00

Discussion

Arthritis and Osteoporosis

15:30-17:00

Chairs: Anthony Ward, Chengqi He

15:30-15:55

Rehabilitation of the Individual with Osteoporosis.

Heidi Klingbeil

15:55-16:20

Physical activity for treatment and rehabilitation in osteoporosis.

Mark Lissens

16:20-16:45

The importance of physical activity in patients with rheumatoid arthritis.

Anton Wicker

16:45-17:00

Discussion

**311B,
Level 3**

8:30-10:00

Chairs: Christoph Gutenbrunner, Bryan O'Young

8:30-8:50

Why collaboration with the WHO is important for the ISPRM and PRM Specialists?

Christoph Gutenbrunner

8:50-9:10

Activities of the United Nations with relevance for rehabilitation

Bryan O'Young

9:10-9:30

Steps towards the Implementation of the ICF in rehabilitation - recent projects

Friedbert Kohler

9:30-9:50

Conceptual framework to classify rehabilitation services - a systematic approach

Dimitrios Skempes

9:50-10:00

Discussion

**From Evidence to Policy to Practice?
Implementation of a World Report
on Disability into national health and
rehabilitation settings and systems
10:30-12:00**

Chairs: Alessandro Giustini, Per von Groote:

10:30-10:40

Introduction: Implementation of the World Report on Disability - what ISPRM has been done and what is to be done

Alessandro Giustini

10:40-11:00

World Report on Disability: Implications to Disability and Rehabilitation.

Zhuoying Qiu

11:00-11:20

Implementation of the World Health Organization – World Report on Disability and International Perspectives on Spinal Cord Injury into national health and rehabilitation systems and services.

Per Maximilian von Groote

11:20-11:40

Implementation of the WHO-World Bank World Report on Disability: WHO perspectives and practical experiences

Pauline Kleinitz

11:40-12:00

Discussion

International PRM Development

15:30-17:00

Chairs: Joel DeLisa, Marta Imamura

15:30-15:50

ISPRM future directions -challenges
and opportunities

Joel A. DeLisa

15:50-16:10

Rehabilitation net-working
(management, finance, outcomes) :
developing tasks for PRM doctors

Alessandro Giustini

16:10-16:30

Implementation of ICF for disability
assessment and social welfare service
in Taiwan

Tsan-Hon Liou

16:30-16:50

Use of patient reported outcomes in
physical and rehabilitation medicine:
current practice and future directions

Ayşe A. Kucukdeveci

16:50-17:00

Discussion

**301AB,
Level 3**

Pain and Rehabilitation

8:30-10:00

Chairs: Bryan O'Young, Ninghua Wang

8:30-8:50

Low back pain in the athlete

Joanne Borg-Stein

8:50-9:10

Myofascial trigger point research and acupuncture

Chang-Zern (John) Hong

9:10-9:30

GENDER CONSIDERATIONS IN MUSCULOSKELETAL PAIN: a 2013 International Update

Mark Young

9:30-9:50

Needle electrical intra-muscular stimulation for myofascial pain

Rai-Chi Chan

9:50-10:00

Discussion

Pain Management

10:30-12:00

Chairs: Martin Grabois, Jianzhong Fang

10:30-10:55

Pain management or pain rehabilitation

Bengt H Sjölund

10:55-11:20

Management of patients with pain after stroke

Martin Grabois

11:20-11:45

Pain management in rehabilitation Medicine

Masazumi Mizuma

11:45-12:00

Discussion

Cardiac Rehabilitation

15:30-17:00

Chairs: Dayi Hu, Ana Mola

15:30-15:50

Cardiac rehabilitation: theory and practice in China

Dayi Hu

15:50-16:10

Cardiac rehabilitation program for heart transplantation recipients

Ssu Yuan Chen

16:10-16:30

Code of Life and cardiopulmonary exercise testing: Holistic Integrative Physiology and Medicine

Xingguo Sun

16:30-16:50

Electrical stimulation of skeletal muscles in patients with heart failure: an alternative to aerobic training?

Masahiro Kohzuki

16:50-17:00

Discussion

**302AB,
Level 3**

Rehabilitation from Water to Space

13:30-15:00

Chairs: Shin Yamada, Bruce Becker

13:30-13:50

Space medicine and rehabilitation

Shin Yamada

13:50-14:10

Interventional physiatry in the inpatient and outpatient setting with a focus on advances in neuromodulation and axial interventions

Mehul Desai

14:10-14:30

Noninvasive Ventilation in pulmonary rehabilitation

Seong Woong Kang

14:30-14:50

Scientific basis of aquatic rehabilitation

Bruce Becker

14:50-15:00

Discussion

TMS and tDCS

15:30-17:00

Chairs: Mario-Alfonso Giraldo-Prieto, Hongliang Liu

15:30-15:55

Non-Invasive brain stimulation for motor recovery after stroke: mechanisms and future views

Shin-Ichi Izumi

15:55-16:20

TMS (transcranial magnetic stimulation) in stroke rehabilitation

Jorge Lains

16:20-16:30

Dual effects with Power-assisted functional electrical stimulation and t-DCS on the brain cortical perfusion among strokes.

Yukihiko Hara

16:30-16:40

Transcranial direct current stimulation of the premotor cortex aimed to improve fine motor control in the hand

Elena Pavlova

16:40-16:50

Effect of anodal transcranial direct current stimulation (a-tDCS) on naming performance in non-fluent post-stroke aphasia

Lydia Abdul Latif

16:50-17:00

Discussion

**303AB,
Level 3**

**Rehabilitation of Transplantation and
Chronic illness**

8:30-10:00

Chairs: Jeffrey Cohen, Li Li

8:30-8:50

Organ transplantation rehabilitation
Jeffrey M. Cohen

8:50-9:10

Musculoskeletal complications and
rehabilitation in patients with chronic
graft versus host disease
Li Li

9:10-9:30

Renal Rehabilitation in Japan
Masahiro Kohzuki

9:30-9:50

Inpatient and outpatient rehabilitation
for cancer patients
Ying Guo

9:50-10:00

Discussion

Sensory and Cognitive Rehabilitation

10:30-12:00

Chairs: Franco Franchignoni, Chunlei
Shan

10:30-10:50

Neural mechanisms of tactile motion
integration in somatosensory cortex
Yu-Cheng Pei

10:50-11:10

Neural mechanism underlying visual
word form processing: Evidence from
studies on Chinese pure alexia
Chunlei Shan

11:10-11:30

The behavioral, neurophysiological and
functional neuroimaging studies on
visual neglect
Weiqun Song

11:30-11:50

The mechanism of the virtual reality
for affected upper extremities after
subacute stroke: anticipation and
cognition
Dongfeng Huang

11:50-12:00

Discussion

Cognition and Rehabilitation

15:30-17:00

Chairs: John DeLuca, Chetwyn Chan

15:30-15:50

Cortical Priming in Cognitive
Rehabilitation: The Case of Unilateral
Spatial Neglect
Nachum Soroker

15:50-16:10

Cognitive Neuroscience in
Neurorehabilitation: Enhancing
Learning Capacity of Patients
Chetwyn Chan

16:10-16:30

Cognitive Communication Disorder
and Cognitive Neurorehabilitation -
Evidence based
Yuxiao Xie

16:30-16:50

Cognitive rehabilitation following brain damage: past, present, and future

John DeLuca

16:50-17:00

Discussion

**305,
Level 3**

Geriatric Rehabilitation

8:30-10:00

Chairs: Ian Cameron, Xudong Gu

8:30-8:55

"Locomotive organ dysfunction" in elderly people; An important aspect of geriatric frailty in a "super-aged" society

Masami Akai

8:55-9:20

Therapeutic potentials of power and eccentric exercise for age related muscle atrophy (Sarcopenia)

Jae-Young Lim

9:20-9:45

Rehabilitation and older people: using frailty as a conceptual basis

Ian Cameron

9:45-10:00

Discussion

Falls Prevention and Rehabilitation

10:30-12:00

Chairs: Masami Akai, Dongfeng Huang

10:30-10:55

Fall prevention in elderly people (OK)
Yohei Otaka

10:55-11:20

Falls prevention and Rehabilitation
therapy
Hee Sang, Kim

11:20-11:45

Fall Prevention in the Elderly: a
Transdisciplinary Team Approach
Ta-Sen Wei

11:45-12:00

Discussion

**306AB,
Level 3**

Stroke Rehabilitation

8:30-10:00

Chairs: Linamara Battistella, Qiang
Wang

8:30-8:50

The use of computers in stroke
rehabilitation or virtual reality as a
mean for motor training
Katharina Stibrant Sunnerhagen

8:50-9:10

Nutrition therapy for stroke patients
during the convalescent phase
Michiyuki Kawakami

9:10-9:30

Motor imagery in stroke rehabilitation
Qiang Wang

9:30-9:50

Enhancing functional recovery after
stroke
Ichiro Miyai

9:50-10:00

Discussion

Stroke Rehabilitation

10:30-12:00

Chairs: Nachum Soroker, Yongshan Hu

10:30-10:50

ADL structure in stroke patients
Shigeru Sonoda

10:50-11:10

New approaches to enhance motor recovery after stroke

Joel Stein

11:10-11:30

Advanced technique of neuromodulation in PRM

Shih-Ching Chen

11:30-11:50

Recent advances in recovery of hand function post stroke

Preeti Raghavan

11:50-12:00

Discussion

Dysphagia Rehabilitation

15:30-17:00

Chairs: Tai Ryoan Han, Zulin Dou

15:30-15:50

Recent advance in swallowing assessment

Tyng-Guey Wang

15:50-16:10

Neurological dysphagia and its intervention study-A serial of clinical research summary

Zulin Dou

16:10-16:30

Dysphagia, swallowing disorders in many different clinical problems in Rehabilitation

Alberto Giattini

16:30-16:50

The use of transcranial direct current stimulation in patients with stroke and dysphagia

Caterina Pistarini

16:50-17:00

Discussion

**307AB,
Level 3**

Spasticity Management

8:30-10:00

Chairs: Anthony B Ward, Tieshan Li

8:30-8:55

Goal Setting Improves Outcomes in Post-Stroke Spasticity

Anthony B Ward

8:55-9:20

Functional recovery in post-stroke spasticity

Min Ho Chun

9:20-9:45

Spasticity management in cerebral palsy

Rochelle Dy

9:45-10:00

Discussion

Spasticity Management

10:30-12:00

Chairs: Gerard Francisco, Fang Li

10:30-10:55

Management of brain injury patients with spasticity

Gerard E. Francisco

10:55-11:20

Validity and reliability of a new scale for the measurement of spasticity in stroke patients

Fang Li

11:20-11:45

Troubleshooting intrathecal delivery systems

Michael Saulino

11:45-12:00

Discussion

Technology

15:30-17:00

Chairs: Wenchun Qu, Tetsuo Ota

15:30-15:55

Medical advances in infrared imaging: practical applications in the office setting

Marcos L Brioschi

15:55-16:20

Newly developed techniques for epidural steroid injections in response to heightened safety considerations (OK)

Wenchun Qu

16:20-16:45

Neurorehabilitation with EEG, EMG and virtual reality

Xiaoli Li

16:45-17:00

Discussion

**308,
Level 3**

Sexual Rehabilitation

8:30-10:00

Chairs: Bum-Suk Lee, Hui Zhu

8:30-8:55

Sexual rehabilitation program for persons with spinal cord injury in Korea
Bum-Suk Lee

8:55-9:20

Contemporary management of sexual dysfunction in the spinal cord injury male

Donald R. Bodner

9:20-9:45

Sexual and urinary rehabilitation after radical prostatectomy
Hui Zhu

9:45-10:00

Discussion

Bladder and Bowel Management

10:30-12:00

Chairs: Klaus Krogh, Mouwang Zhou

10:30-10:55

Urodynamic investigation after spinal cord injury

Mouwang Zhou

10:55-11:20

The application of the ultrasound for the evaluation and treatment in the neurogenic bladder

Weixin Yang

11:20-11:45

Bowel dysfunctions following spinal cord injury(OK)

Klaus Krogh

11:45-12:00

Discussion

Neuro Rehabilitation

15:30-17:00

Chairs: Mauro Zampolini, Xiang Mu

15:30-15:50

Rehabilitation program evaluation

Mauro Zampolini

15:50-16:10

High-intensity training in persons with neurological diseases

Jan Lexell

16:10-16:30

Rehabilitation in Parkinson's disease : evidences and experiences

Areerat Suputtitada

16:30-16:50

Hybrid assistive neuromuscular dynamic stimulation (hands) therapy – new therapeutic strategy for hemiparetic upper extremity after stroke

Toshiyuki Fujiwara

16:50-17:00

Discussion

**311A,
Level 3**

Sports

8:30-10:00

Chairs: Nicolas Cristodoulou, Shifang Zhou

8:30-8:55

Management of ACL injury in the young athlete.

William Micheo

8:55-9:20

Comprehensive rehabilitation of sports injuries

Nicolas Cristodoulou

9:20-9:45

The role of exercise in the treatment of obesity

Edward R. Laskowski

9:45-10:00

Discussion

MSK Treatment

10:30-12:00

Chairs: Tai Ryoan Han, Zhiqiang Zhang

10:30-10:50

Effect of aerobics and supervised physiotherapy in patients with painful stiff shoulder

Taslim Uddin

10:50-11:10

The effect of load and exercise on bone mass and structural geometry

Giovanni Iolascon

11:10-11:30

Conservative and minimal invasive treatments for the discogenic LBP
Sang Heon Lee

11:30-11:50

Platelet rich plasma therapy in chronic tendinopathy : thai experience
Sukajan Pongprapai

11:50-12:00

Discussion

Gait Analysis

15:30-17:00

Chairs: Alberto Esquenasi, Xiaoping Yun

15:30-15:50

From clinical observation to instrumental gait analysis - how to optimize pm&r management?
Luis Jorge Jacinto

15:50-16:10

Impact of clinical and laboratory assessment to improve walking with robotic devices
Marco Franceschini

16:10-16:30

the use of motion analysis in sports medicine
David Burke

16:30-16:50

Evaluation of spastic gait with blockades and infiltration
Franco Molteni

16:50-17:00

Discussion

**311B,
Level 3**

Disaster Relief Symposium

8:30-10:00

1st Session: "Where is rehabilitation disaster relief now?"

Chairs: Jianan LI, Jan D. Reinhardt

8:30-8:50

Rehabilitation disaster relief - theory, science and practice
Jianan LI

8:50-9:10

StandTALL- an orthopaedic rehabilitation program -from the 5-12 Earthquake experience to national network and impact
Kai-ming Chan

9:10-9:30

Lessons learned from the experience of the Great East Japan Earthquake and Disaster
Meigen Liu

9:30-9:50

Long-term effectiveness and efficiency of rehabilitation services delivery for victims with disabilities from the 2008 Sichuan earthquake
Jan D. Reinhardt

9:50-10:00

Discussion

Disaster Relief Symposium
2nd Session: "Where is rehabilitation disaster relief going?"

10:30-12:00

Chairs: James Gosney, Andrew Haig

10:30-10:50

Role of the PRM physician in an international NGO in disaster relief: Handicap International perspective
Eric Weerts

10:50-11:10

Building the ISPRM disaster acute rehabilitation team (DART) program
Andrew Haig & Josh Verson

11:10-11:30

Developing the ISPRM registry of rehabilitation disaster relief experts
Jan D. Reinhardt

11:30-11:50

Professionalizing humanitarian rehabilitation disaster relief: Role of the ISPRM CRDR
James Gosney

11:50-12:00

Discussion

International Rehabilitation Education

15:30-17:00

Chairs: Marta Imamura, Dahong Zhuo

15:30-15:50

Value and impact of the ISPRM international exchange program
Bryan O'Young

15:50-16:10

Education and training of rehabilitation physicians with integrated skills of western and oriental medicine: an international perspective
Dahong Zhuo

16:10-16:30

PM&R Knowledge NOW: AAPM&R's new lifelong learning PM&R resource
Amparo Assucena

16:30-16:50

PM&R Knowledge NOW: AAPM&R's new lifelong learning PM&R resource
Thomas E. Stautzenbach

16:50-17:00

Discussion

Plenary Hall A,
Level 4

Neuro-sciences and Practice

10:30-10:00

Chairs: John Olver, Maobin Wang

8:30-9:15

Neuro-regeneration and rehabilitation

Xiaoming Xu

9:15-10:00

Nueromodulation of brain function and rehabilitation

Leonardo Cohen

Musculoskeletal Science and Practice

10:30-12:00

Chairs: Walter R. Frontera, Xin Gu

10:30-11:15

How to bridge the gap between research and clinical practice in P&RM

Henk J Stam

11:15-12:00

Meeting the challenge: unveiling musculoskeletal non specific pain

Marta Imamura