

**"Movement -  
Bridging Health  
and Function"**



**ACPT**

**Congress 2016**

**Kuala Lumpur  
7-8 October**

**MALAYSIA**



# Programme Book

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# WELCOME MESSAGE

Message from Director of Allied Health Division, Ministry of Health



Congratulations to Malaysian Physiotherapy Association and the Organising Committee for organising this 13th Asian Confederation for Physical Therapy with the theme: "Movement – Bridging Health and Function." A warm welcome to all speakers and delegates from far and near.

This will indeed be a great platform to enjoy, in the sharing of new and current scientific research findings, application into best practices and also to network among colleagues and friends. In Malaysia, the number of physiotherapists or physical therapists have increased over the past years but there is still an increasing demand for physiotherapy services with the expansion of scope into areas of promotion and prevention besides therapeutic and rehabilitative care. New technologies in the field of care have resulted in high-technology physiotherapy equipment and facilities that provide more efficient and effective care delivery.

Physiotherapists or physical therapists play a vital role working closely with doctors and specialists in providing holistic care to the patient or individual. Safe and quality practice based on scientific evidence will lead to optimal outcome of care.

The Malaysian Allied Health Professions Act 2016, No 774 was gazetted in Parliament in February 2016 and when enforced in the near future, will require 23 types of Allied Health Professionals including physiotherapists to be registered in order to practise in Malaysia. This is to ensure physiotherapy is provided by qualified physiotherapists for patients' safety.

Enjoy also the sights and sounds of Malaysia as well as the multi-cultures, warm hospitality and varied local cuisines!

Wishing you all a fruitful and successful congress in Kuala Lumpur.

A handwritten signature in black ink, appearing to read 'Tan Yoke Hwa'.

Dato Tan Yoke Hwa  
Director  
Allied Health Sciences Division  
Ministry of Health Malaysia

# WELCOME MESSAGE

Message from Chairperson of ACPT 2016 &  
Malaysian Physiotherapy Association (MPA)



Dear delegates, colleagues and friends,

I am humbled, honored and delighted to extend my heartfelt welcome to each of you attending the ACPT here in Kuala Lumpur, Malaysia. Selamat Datang ke Malaysia, which means welcome to Malaysia

The Asian Confederation for Physical Therapy (ACPT) was mooted in 1980 some 36 years ago with the objective to promote the professional growth of the physical therapy in Asia. It is the oldest physical therapy international organization of this kind in Asia. It now has 8 member countries, being Taiwan, Japan, Korea, Thailand, Indonesia, Malaysia, Philippines and Macau.

Malaysia is delighted to host the 13th ACPT Congress, which will be the second time we are hosting it after the first one in 1996. We hope to make this reunion of ACPT member countries an experience of a life time!

I am certain that this congress will be the arena providing you with rich content and knowledge acquiring, building rapport and networking with our sisters and brothers present here. My sincere hope is we can promote innovative and creative thinking, leverage technologies and human capital in imaginative ways, and incorporate platforms to create learning environments that best serve us physiotherapists and support students here at this congress. I also hope we can renew and strengthened our friendship and ties that was developed during ACPT meetings and congresses.

I am grateful for the contributions of our keynote speakers, workshop facilitators, symposium organizers, session chairs, all our oral and poster presenters and our sponsors and exhibitors. I also hope that our social program will live up to your expectations and that you will gather fond memories of our beautiful, vibrant multi-cultural city. The organization of this congress is very much a team effort. I want to thank all who have made an enormous contribution for its success.

I hope this experience will help to benefit you in many ways when you return to your beloved country. Enjoy your congress, Enjoy Kuala Lumpur!

Warmest Regards

A handwritten signature in black ink, appearing to read 'Su Fen' with a stylized flourish.

Ms YEW SU FEN

Chairperson of ACPT 2016 and

President of Malaysian Physiotherapy Association

# WELCOME MESSAGE

## Message from ACPT President



Dear Congress Attendants,

On behalf of the Asian Confederation for Physical Therapy and myself, I would like to express my sincere welcome for your presence at ACPT Congress 2016 which will be held in Berjaya Times Square Hotel, Kuala Lumpur, Malaysia. As we continue to exchange ideas and spark conversations, it is our most important task to further lead the Asia health community and continue to develop new research and new medical innovations in physical therapy field. And only through such events like the ACPT Congress where we can freely exchange thoughts and ideas, we can outdo ourselves and reach for the star on the medical field.

Congratulations to Malaysian Physiotherapy Association for hosting this event again after 20 years and I wish you success and a wonderful, fruitful Congress.

With best regards.

A handwritten signature in dark ink that reads "Chien Wen-Jen". The script is fluid and cursive.

Chien Wen-Jen  
ACPT President  
Taiwan





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# ABOUT ACPT

## History of ACPT

The Asian Confederation for Physical Therapy (ACPT) has been established since April 27, 1980 in Taipei. The main purpose of this organization is to promote the professional growth of the physical therapy in Asia. The original members are Indonesia, Japan, Malaysia, Korea, Philippines, Thailand and Taiwan. The first General Assembly was held in Bangkok, Thailand in 1981. Since then, eleven General Assemblies were held in different member countries every three years according to the constitution.

## ACPT Congress

Term	Main Theme	City, Nationality, Year
1st	N/A	Bangkok, Thailand, 1981
2nd	Consolidation and Action	Seoul, Korea, 1984
3rd	Growth and Advancement of Physical Therapy in Asia	Tokyo, Japan, 1988
4th	Physical Therapy Toward Health for All	Jakarta, Indonesia, 1990
5th	Physical Therapy Meets the World	Taipei, Taiwan, 1993
6th	Current Trend in the Management of Musculoskeletal Disorders	Kuala Lumpur, Malaysia, 1996
7th	Development Amidst Diversity in the 21th Century	Manila, Philippines, 2000
8th	Physical Therapy Through the Year 2002	Bangkok, Thailand, 2002
9th	Future in Physical Therapy: Benefit for All	Seoul, Korea, 2005
10th	Moving Physical Therapy in Asia	Chiba, Japan, 2008
11th	Moving Physical Therapy in Asia: Culture, Movement and Science	Bali, Indonesia, 2010
12th	Health Promotion through Physical Therapy	Taichung, Taiwan, 2013
13th	Movement – Bridging Health and Function	Kuala Lumpur, Malaysia, 2016





# ABOUT ACPT 2016

## *Greetings from Kuala Lumpur, Malaysia!*

The Asian Confederation for Physical Therapy (ACPT) is founded in 1980 in the Republic of Taiwan and is the oldest physical therapy organization in Asia. Malaysia is delighted to host the 13th ACPT Congress where and it will be the second time after the last event in 1996. The congress is a 2 day affair where physiotherapist from all over the world will attend. It will be an exciting moment either attending the Congress or visiting beautiful Kuala Lumpur.

The congress theme this year: "Movement – Bridging Health and Function" is appropriate and in line with the WCPT theme. ACPT 2016 will be held on 7 – 8 October 2016 in Berjaya Times Square Hotel, Kuala Lumpur, Malaysia. The Executive Board Meeting for ACPT member countries will be held on the 6th October, 2016 where Presidents from 8 countries will network and build bridges.

A comprehensive and ambitious scientific program has been prepared which will include presentations by a range of knowledgeable speakers from within and beyond the region. Hence, apart from bringing international clinicians, researchers and educators who are engaged in various physiotherapy professions, the congress shall provide a platform for researchers to showcase their research findings, sharing knowledge and ideas through keynote session, plenary sessions, symposium, scientific tracks sessions, young researchers' sessions and poster presentations.

Apart from the scientific program, ACPT 2016 also offers social networking and renewing friendship at the gala dinner.

The congress also offers day trip to some of the well-known institutions providing rehabilitation services and tour of the country side and city will be one of the highlights of the day.

The ACPT 2016 sincerely invites and welcomes you to take this unique opportunity in sharing your professional knowledge, getting connected professionally and socially, and also to visit many of the scenic and cultural attractions in Malaysia, truly Asia!



# ORGANISERS AND COMMITTEE

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*Chairperson*  
**Yew Su Fen**

*Vice Chairperson*  
**Marc Daniel**

*Secretary*  
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**Chelvi Muniandy**

*Marketing & Publicity*  
**Lim Yi Lin**  
**Haironi Ismail**

*Social Programme & Protocol Committee:*  
**Marc Daniel**  
**Y. Bhg. Datin Hajah Asiah binti Mohd Hashim**

## Scientific Committee

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**Dr. Maria Justine**

*Vice Chairperson*  
**Assoc. Prof. Dr. Devinder Kaur Ajit Singh**  
**Dr. Mohd Haidzir Abd Manaf**

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**Dr. Arun Balasubramaniam, MPT, PhD**  
**Dr. Nor Azlin Mohd Nordin**  
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**Prof Narasimman Swaminathan**  
**Prof Dr Ayiesah Hj Ramli**  
**Vikram Mohan**  
**Assoc. Prof. Chan Sook Chin**  
**Dr Goh Hui Ting**  
**Pramod D. Shenoy**  
**Dr. Jagatheesan A.**

# GENERAL INFORMATION

The following information is offered to make your attendance at the Congress as pleasant and as trouble-free as possible. If you require assistance, please come by the Registration Counter.

## Congress Date

### Pre – Congress Workshop 5 – 6 October 2016

- A. Kuala Lumpur Hospital (HKL)  
*Jalan Pahang, 50586 Kuala Lumpur, Wilayah Persekutuan Kuala Lumpur, Malaysia*
- B. Universiti Kebangsaan Malaysia (UKM)  
*Jalan Raja Muda Abdul Aziz, 50300 Kuala Lumpur, Malaysia*
- C. KPJ Tawakkal Specialist Hospital (KPJ TSH)  
*Lot 1, Jalan Pahang Barat, Pekeliling, 53000 Kuala Lumpur, Wilayah Persekutuan Kuala Lumpur, Malaysia*

### Main Congress 7 – 8 October 2016

Level 14, Berjaya Times Square Hotel, 1 Jalan Imbi, 55100 Kuala Lumpur, Malaysia

### Post – Congress Workshop 9 – 10 October 2016

KPJ Tawakkal Specialist Hospital (KPJ TSH)  
*Lot 1, Jalan Pahang Barat, Pekeliling, 53000 Kuala Lumpur, Wilayah Persekutuan Kuala Lumpur, Malaysia*

**Congress Website & Email :** [www.acpt2016kul.org](http://www.acpt2016kul.org)  
[secretariat@acpt2016kul.org](mailto:secretariat@acpt2016kul.org)

## GETTING HERE

### By Driving/Taxi

- 50 minutes from KLIA, Kuala Lumpur International Airport, Sepang (KUL)
- 30 minutes from SAAS, Sultan Skypark Terminal Sultan Abdul Aziz Shah Airport, Subang (SZB)
- Taxi fares from KL Sentral to Berjaya Times Square Hotel, Kuala Lumpur is approximately RM 20.00

### By ERL Train / Monorail

- 30 minutes from KLIA to KL Sentral via ERL Train – RM55.00/ticket
- 25 minutes from KL Sentral to Imbi Station via Monorail – RM3.10/ticket
- 2 minutes from Bukit Bintang Station to Imbi Station via Monorail – RM1.30/ticket
- 30 minutes from Bukit Bintang Station to Chow Kit Station via Monorail – RM2.80/ticket
- 30 minutes from Imbi Station to Chow Kit Station via Monorail – RM3.20/ticket

\*Note: Imbi station is the nearest station to Congress venue

Chow Kit station is the nearest station to Workshop venue

\*Price subject to change without prior notice

### Registration Counter, Information Desk and Lost & Found Counter

If you need information about any aspect of the ACPT 2016, please proceed to the Registration Counter, Level 14, The Berjaya Times Square Hotel Kuala Lumpur.

Registration Counter is open at the following times:

Thursday, 6 October 2016	14:00 – 18:00 hours
Friday, 7 October 2016	07:30 – 18:00 hours
Saturday, 8 October 2016	07:30 – 18:00 hours

The Desk also serves as Lost & Found Counter, Walk-in Registration, On-Site Payment, Badge Collection and Congress Bag Distribution.

### Name Badges

Please wear your name badge at all times during the congress, as it is required for entry to all activities. Badges are issued to the registered individuals and are not transferrable.

### Conference Policy

- Smoking is strictly prohibited at all times in the congress venue.
- Food and beverages are prohibited in the congress rooms during any sessions.
- Please switch the mobile phones off or to silent mode during all sessions.
- No photography and/or recording are allowed in any sessions.
- Please note that infant/children below 18 years old are not permitted to attend any of the sessions and should not be left unaccompanied at any time in any of the event areas.

### Exhibition

The exhibition and poster displays are located at the venue foyer area of Level 14.

### Prayer Room

- Prayer room is located at 7th and 8th floor of Berjaya Times Square Shopping Mall.
- Friday Prayers will be held at **Masjid Al-Bukhary** (Mosque)
  - 10 minutes walking distance away from the venue.
  - 02 minutes from Imbi Station to Hang Tuah Station via Monorail – RM1.20/ticket

\*Note: Hang Tuah station is the nearest station to Masjid Al-Bukhary (Mosque)

## Safety and Security

Please do not leave your belongings or congress materials unattended in session rooms

## Parking Fees

Weekdays – A flat rate of RM9.00 nett per entry

Weekends/Public Holiday – A flat rate of RM 11.00 nett per entry

\*Note: Parking charges are subject to change without prior notice

## Certificates

### 1. Certificate of Attendance

All delegates who attend the Main Congress will receive a Certificate of Attendance via email after the congress day.

### 2. Certificate of Attendance (Pre– and Post– Congress Workshops)

All delegates who attend the Workshops will receive a Certificate of Attendance via email after the congress day.

## Social Media Links

Facebook: <https://www.facebook.com/ACPTMALAYSIA2016/>

## HELPFUL CONTACTS

### ACPT 2016 SECRETARIAT

#### Aos Conventions & Events Sdn. Bhd.

(Member of AOS Tourism & Hospitality Group)

2nd Floor, No. 39 & 40, Jalan Mamanda 9,  
Ampang Point, 68000 Ampang, Selangor, Malaysia  
+603-4252 9100

[secretariat@acpt2016kul.org](mailto:secretariat@acpt2016kul.org)

[www.acpt2016kul.com](http://www.acpt2016kul.com)

### Malaysian Physiotherapy Association

Jabatan Fisioterapi, Hospital Kuala Lumpur, 50586 Kuala Lumpur, Malaysia

[www.mpa.net.my](http://www.mpa.net.my)

### Tourism Malaysia

+603-8891 8000

[enquiries@tourism.gov.my](mailto:enquiries@tourism.gov.my)

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### Kuala Lumpur Tourist Police

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### Medical Emergency Contacts

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Prince Court Medical Centre (Private Hospital) +603-2160 0000

Gleneagles Hospital Kuala Lumpur (Private Hospital) +603-4141 3000





# ABOUT MALAYSIAN PHYSIOTHERAPY ASSOCIATION (MPA)



It is with pride the Malaysian Physiotherapy Association reflects on 52 years of activity. The pioneers who brought physiotherapy into Malaysia were the expatriates. Later, the Ministry of Health under the Colombo Plan offered scholarships to our local Malaysians to study Physiotherapy abroad and they return to be local pioneers in Physiotherapy. These dynamic physiotherapists later were motivated to form the Malaysian Physiotherapy Association in view of the urgent need to protect the status and prestige of the profession and to maintain a high standard of physiotherapy in the country. The Association was registered in August 6th, 1963 with the help of an Orthopedic Surgeon who is a fan of Physiotherapy.

From a handful, the Association today is proud to have a membership of 531 as of 2016. Today, the Malaysian Physiotherapy Association is a national professional association providing stimulus towards professionalization through the acknowledgement of continuing education and achievement of higher standards of patient care.

MPA has a vision to take active responsibility and facilitate the growth of the physiotherapy profession so that Malaysian physiotherapists will be practitioners of choice among consumers and other health care professionals.

With its 5 prong mission MPA hopes to steer Physiotherapy education by defining research skills and to spur innovation and creativity and ensure best practices for the patient. We hope for support from the Ministry of health for higher levels of entry point to only degree level training for physiotherapists.

MPA wants members to Institute Evidence-based Practice which includes the integration of best available research, clinical expertise, and patient/client values and circumstances related to patient/client management, practice management, and health care policy decision making.

MPA also through this mission hopes to Institute Certification Program to demonstrate that physiotherapy services meets the latest scientific standards.

MPA hopes to nurture Physiotherapy leaders across the country at all levels – to be good leaders and head of departments.

Lastly our mission is to Increase public awareness on the role, relevance and impact of physiotherapy in enhancing health and general wellbeing.

In 1974 the Association became a member of the World Confederation for Physical Therapy, and is also a member of the Asian Confederation Physical Therapy which held its first inaugural meeting in Taiwan and in 1981 the first ACPT congress was held in Thailand. MPA has participated in WCPT, AWP and ACPT Meetings and many international congress and conferences from time to time to keep abreast with all other Physical Therapy Associations.

Administrative, secretarial and financial duties were provided on an honorary basis by the Executive Committee of the Association on a 2 year term basis and the MPA has its own building as official office. The size of the Executive Committee comprises of nine members, consisting of a President, Vice President, Secretary, Assistant Secretary, Treasurer and four Committee Members.



# ABOUT KUALA LUMPUR, MALAYSIA

Malaysia offers an eclectic mix of cultures, wonders and attractions. Home to centuries of rich cultural history spanning multiple nationalities and religions, the country is a melting pot of various races. Malaysia is truly a country that epitomizes Asia.

Such diversity is also extended to the landscape. Feel the rhythm of vivacious cities and serene countryside. Marvel at centuries-old rainforests and caves, idyllic beaches and colourful reefs. Savour mouth-watering culinary specialties, from spicy to sweet to exotic. Listen to the delights of shoppers over incredible bargains at quaint night markets or world-class malls. Bask in the fragrance of stunning flora and pure, invigorating air. And enjoy the warm hospitality of the friendly and engaging Malaysians.

At the same time, Malaysia combines all of those with the best of East Asian economic development. The country has fully embraced the technological age with heavy investment in modern infrastructure. Malaysia boasts two of the world's tallest skyscrapers and a huge "cyber" centre for computer businesses. Its transport network system is amongst the best in the region. This is a country where the old and the new sit side by side, where ancient traditions blend nicely with the thoroughly modern settings of the urban landscape.

Enjoying direct air links from almost every major city from all corners of the globe, Kuala Lumpur is a grand gateway to Malaysia's fascinating destinations. Just as the ancient Malay empire of the past, Kuala Lumpur's commercial centre is a grand meeting place for merchants and travelers from all over the world.

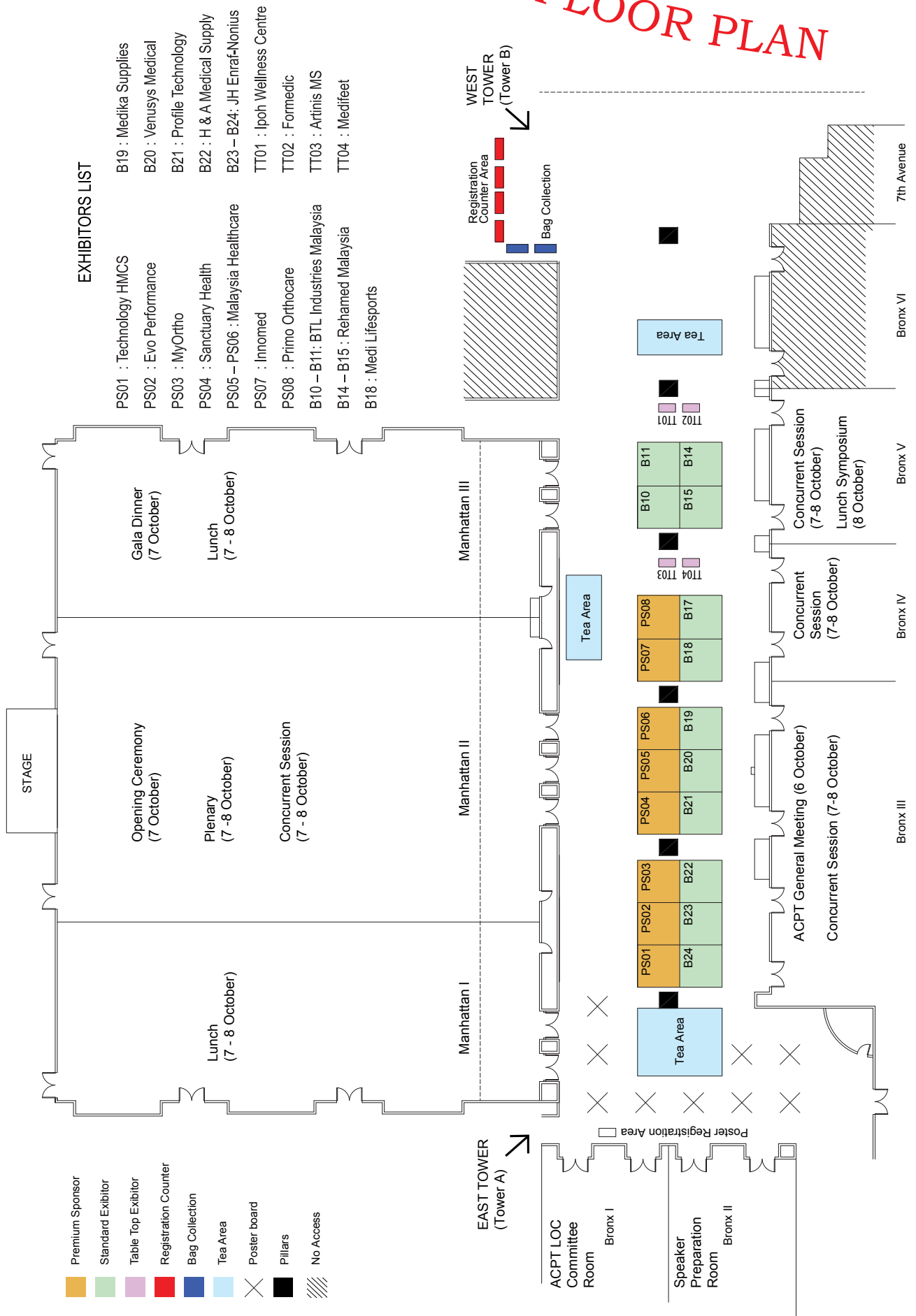
Kuala Lumpur brings together Malaysia's past and present, as characterised by the sight of the evocative British colonial buildings in the midst of the city's bustling streets and its shining, modern office towers. One of Southeast Asia's most impressive and energetic capitals, the city has grown over the course of the last century from a sleepy tin mining colony to a glittering global cosmopolitan. The Malaysian metropolis has weathered the turn-of-the-millennium Asian economic crises and continues to develop, optimism symbolised by the iconic thrust of the ultra-tall PETRONAS Twin Towers.

Home to some of Southeast Asia's biggest and most prestigious shopping malls, Kuala Lumpur is a popular shopping destination for both locals and international visitors. Kuala Lumpur is a city full of wonderful sights, lively neighbourhoods, magnificent architecture and rich culture.





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# PROGRAMME OUTLINE

## PRE – CONGRESS WORKSHOP

**5<sup>TH</sup> – 6<sup>TH</sup> OCTOBER 2016 (WED – THU)**

TIME	EVENT	PRESENTER	VENUE
0730 – 0900	Pre – Workshop Registration		
0900 - 1700	<b>Workshop 1:</b> Motor Control Training For Low Back And Pelvic Pain: Assessment And Training (Basic)	<i>Paul Hodges</i>	Hospital Kuala Lumpur (HKL)
0900 - 1700	<b>Workshop 2:</b> Articular Therapy for Mechanical Neck Pain Disorders and Management of Cervical Articular Disorder	<i>Vaidas Stalioraitis</i>	Hospital Kuala Lumpur (HKL)
0900 - 1700	<b>Workshop 3:</b> Treatment of Cerebral Palsy with Bobath Techniques	<i>Hong Jung Sun</i>	Universiti Kebangsaan Malaysia (UKM), Kuala Lumpur
0900 - 1700	<b>Workshop 4:</b> Anterior Knee Pain, What Do We Know And How Do We Treat It?	<i>Alfio Albasini</i>	KPJ Tawakkal Specialist Hospital, Kuala Lumpur

## MAIN CONGRESS WORKSHOP

**6<sup>TH</sup> OCTOBER 2016, THURSDAY**

TIME	EVENT	
1400 – 1800	Main Congress Registration	Exhibitor Move - In

**7<sup>TH</sup> OCTOBER 2016, FRIDAY**

TIME	EVENT	ROOM
0730 – 0900	Registration & Poster Mounting (Session 1)	Foyer Area
0900 – 0910	Welcome Address by <b>Yew Su Fen</b> , Chairperson of ACPT 2016 and President of Malaysian Physiotherapy Association	Manhattan II
0910 – 1000	Welcome Address by Maria Justine, Chairperson of ACPT 2016 Scientific Committee	
0910 – 1000	Keynote Address and Opening Ceremony by <b>Y.B. Datuk Seri Dr. S. Subramaniam</b> , Minister of Health Malaysia	
1000 – 1045	<b>Plenary 1:</b> A Patient with Arm Symptoms- Where is it coming from? <i>By Vaidas Stalioraitis</i>	
1045 – 1115	Morning Tea Break & Poster Session 1	Foyer Area
1115 – 1200	<b>Plenary 2:</b> New Treatment Ideas of Children with Cerebral Palsy <i>By Hong Jung Sun</i>	Manhattan II
1200 – 1245	<b>Plenary 3:</b> Pain, Motor Control & Plasticity in the Motor System: How are They Related & is it Relevant for Rehabilitation of Musculoskeletal Pain? <i>By Paul Hodges</i>	Manhattan II
1245 – 1430	Lunch Break & Poster Mounting (Session 2)	Foyer Area

# PROGRAMME OUTLINE

CONCURRENT SESSION 1		
1430 – 1550	Musculoskeletal and Sports Rehabilitation 1	Manhattan II
	Musculoskeletal and Sports Rehabilitation 2	Bronx III
	Young Researchers' Platform 1	Bronx IV
	Miscellaneous 1	Bronx V
1550 – 1630	Evening Tea Break & Poster Session 2	Foyer Area
CONCURRENT SESSION 2		
1630 – 1730	Miscellaneous 2	Manhattan II
	Miscellaneous 3	Bronx III
	Young Researchers' Platform 2	Bronx IV
	Miscellaneous 4	Bronx V
1930 – 2230	Gala Dinner	Manhattan III

## 8<sup>TH</sup> OCTOBER 2016, SATURDAY

TIME	EVENT	ROOM
0730 – 0830	Registration & Poster Mounting (Session 3)	Foyer Area
0830 – 0915	Plenary 4: Patellofemoral Treatment Plan <i>By Alfio Albasini</i>	Manhattan II
CONCURRENT SESSION 3		
0915 – 1045	Musculoskeletal and Sports Rehabilitation 3	Manhattan II
	Musculoskeletal and Sports Rehabilitation 4	Bronx III
	Cardiopulmonary Rehabilitation 1	Bronx IV
	Neurological Science and Rehabilitation 1	Bronx V
1045 – 1115	Morning Tea Break & Poster Session 3	Foyer Area
CONCURRENT SESSION 4		
1115 – 1245	Miscellaneous 5	Manhattan II
	Musculoskeletal and Sports Rehabilitation 5	Bronx III
	Physiotherapy Education & Miscellaneous	Bronx IV
	Neurological Science and Rehabilitation 2	Bronx V
1245 – 1330	Lunch Symposium	Bronx V

# PROGRAMME OUTLINE

1245 – 1400	Lunch Break & Poster Mounting (Session 4)	Manhattan I & III, Foyer Area
1400 – 1445	<b>Plenary 5:</b> Promoting Physiotherapy: How do We Make Patients Demand Access to Our Care? <i>By Marcus Dripps</i>	Manhattan II
CONCURRENT SESSION 5		
1445 – 1535	Geriatric Rehabilitation	Manhattan II
	Miscellaneous, Musculoskeletal and Sports Rehabilitation	Bronx III
	Miscellaneous 6	Bronx IV
	Miscellaneous, Neurological Science and Rehabilitation	Bronx V
1535 – 1600	2 Minutes of Best Oral Presentation and Poster Pitching	Manhattan II
1600 – 1630	Evening Tea Break & Poster Session 4	Foyer Area
1630 – 1715	<b>Plenary 6:</b> Physiotherapy in the 21st Century - Sustainable Physiotherapy Education and Professional Competency <i>By Gillian Webb</i>	Manhattan II
1715 – 1800	Awards Presentation & Closing Ceremony	Manhattan II

## POST – CONGRESS WORKSHOP

9<sup>TH</sup> – 10<sup>TH</sup> OCTOBER 2016 (SUN – MON)

TIME	EVENT	PRESENTER	VENUE
0730 – 0900	Post – Workshop Registration		
0900 - 1700	<b>Workshop 5:</b> How Do We Manage Shoulder Pain And Dysfunction?	<i>Alfio Albasini</i>	KPJ Tawakkal Specialist Hospital, Kuala Lumpur



# SCIENTIFIC PROGRAMME

FRIDAY, 7<sup>TH</sup> OCTOBER 2016

TIME	EVENT	ROOM & PRESENTER
0730 – 0900	Registration & Poster Mounting	Registration Counter, Level 14
0900 – 1000	Welcome Address by Yew Su Fen, Chairperson of ACPT 2016 and President of Malaysian Physiotherapy Association Welcome Address by Maria Justine, Chairperson of ACPT 2016 Scientific Committee Keynote Address and Opening Ceremony by Y.B. Datuk Seri Dr. S. Subramaniam, Minister of Health Malaysia	Manhattan II
1000 – 1045	Plenary 1: Patient with Arm Symptoms- Where is it coming from? <i>Chairperson: Devinder Kaur Ajit Singh</i>	Manhattan II <i>Vaidas Stalioraitis</i>
1045 – 1115	Morning Tea Break & Poster Session 1	Foyer Area, Level 14
1115 – 1200	Plenary 2: New Treatment Ideas of Children with Cerebral Palsy <i>Chairperson: Bala S. Rajaratnam</i>	Manhattan II <i>Hong Jung Sun</i>
1200 – 1245	Plenary 3: Pain, Motor Control & Plasticity in the Motor System: How are They Related & is it Relevant for Rehabilitation of Musculoskeletal Pain? <i>Chairperson: Sarkuna Devi</i>	Manhattan II <i>Paul Hodges</i>
1245 – 1430	Lunch Break & Poster Session	Manhattan I & III
1430 – 1550	<b>CONCURRENT SESSION 1</b>	
1430 – 1550	Musculoskeletal and Sports Rehabilitation 1 <i>Chairperson: Marc Daniel</i>	Manhattan II
1430 – 1530	Symposium 1: Evidence Based Practice of Using HIL for Treatment of Musculoskeletal Disorders	<i>Hans-Joerg Groeber</i>
1530 – 1540	Prevalence of Postural Abnormalities Among High School Students	<i>Vinodhkumar Ramalingam</i>
1540 – 1550	Applying Hierarchical Linear Modeling in Analyzing Occupational Injuries and Disease Related Factors for the Physical Therapists in Taiwan	<i>Wan-Yun Huang</i>
1430 – 1550	Musculoskeletal and Sports Rehabilitation 2 <i>Chairperson: Bhavani Veasuvalingam</i>	Bronx III
1430 – 1450	Symposium 2: Recent Advances in Foot Orthotic Therapy	<i>Edmund Lee</i>
1450 – 1500	Prevalence and Risk Factor of Work Related Musculoskeletal Injuries in Health Care Workers	<i>Barathi Mahadevi</i>
1500 – 1510	Training and Physical Therapy for Preventing Knee Ligament Injuries	<i>Yukio Urabe</i>
1510 – 1520	Compliance to Home Exercise Program (HEP) Among Subjects Undergoing Physiotherapy: A Qualitative Study	<i>Meshanthi Kumarasamy</i>
1520 – 1530	Treatment of Acute Soft Tissues Injuries Based on Physiology	<i>Ari Sudarsono</i>
1530 – 1540	Effect of Cryokinetics in Hemophilic Patients	<i>Subin Chungath</i>
1540 – 1550	The Use of Kinematic Data to Compute Muscle Force Production during Upper Extremity Planar Movement – A Pilot Study	<i>Elizabeth Lee</i>
1430 – 1545	<b>Young Researcher's Platform 1</b> <i>Chairperson: Devinder Kaur Ajit Singh</i>	Bronx IV
1430 – 1445	A Narrative Synthesis of Nintendo Wii Fit™ Gaming Protocol in Addressing Balance Among Healthy Older Adults: What System Works?	<i>Donald Manlapaz</i>
1445 – 1500	Pelvic Alignment Risk Factors Correlated with Pubic Symphysis Pain after Childbirth	<i>Saori Morino</i>
1500 – 1515	The Short Term Effect of Orientation and Mobility Training by a Physical Therapist on Functional Abilities of Persons with Visual Impairment	<i>Pawinee Layothee</i>
1515 – 1530	Exercise Capacity and Quality of Life in the Patients with Idiopathic Pulmonary Arterial Hypertension and Secondary Pulmonary Hypertension	<i>Chen Ling-Wei</i>

# SCIENTIFIC PROGRAMME

1530 – 1545	A Gait Speed Cut-Off Value for Practical Walking in Post-Stroke Patients Based on a Prospective Observational Study	Yuta Ichinosawa
1430 – 1550	<b>Miscellaneous 1</b> <i>Chairperson: Kit Man Ao</i>	<b>Bronx V</b>
1430 – 1450	<b>Symposium 3: Legislation of the Physical Therapy Profession in Macau: Challenges and Future?</b>	<b>Ao Kit Man</b>
1450 – 1500	Chronological Changes of Physiotherapists' Actions, Experiences and Opinions on Medical Rehabilitation for Victims after the 2015 Nepal Earthquake	Koji Endo
1500 – 1510	A Qualitative Study to Explore Leadership Concepts among Senior Physiotherapists in Malaysia	Dua Dewan Sonia
1510 – 1520	Knowledge, Attitudes and Barriers Towards Evidence-based Practice among Physiotherapists in Malaysia	Hannah Yahui Chay
1520 – 1530	What are the Perceptions of Patients with Musculoskeletal Problems Towards Their Physiotherapy Care? A Survey	Ng Cheah Ping
1530 – 1540	Mobility Deficits and Pain after Breast Cancer Surgery: 12 Months Follow-Up	Heuifen Lin
1540 – 1550	Use of the International Classification of Functioning, Disability and Health in Home Health Care Service of a Medical Service Center	Atipong Pimdee
1600 – 1630	<b>Evening Tea Break &amp; Poster Session 2</b>	<b>Foyer Area, Level 14</b>
1630 – 1730	<b>CONCURRENT SESSION 2</b>	
1630 - 1730	<b>Miscellaneous 2</b> <i>Chairperson: Yew Su Fen</i>	<b>Manhattan II</b>
1630 – 1700	<b>Symposium 4: Fascia and Easy flossing</b>	<b>Swen Kruse</b>
1700 – 1730	<b>Symposium 5: Resistance Training for Recovery</b>	<b>Dagmar Pavlu</b>
1630 – 1730	<b>Miscellaneous 3</b> <i>Chairperson: Lim Yi Lin</i>	<b>Bronx III</b>
1630 – 1640	Effects of Limb Dominance on the Kinematic and Kinetic Parameters of Gait in Healthy Males	Fairus Fariza Zainudin
1640 – 1650	The Analysis of 3 Dimensional Motions According to Asymmetric Carrying Method during Walking	Hyangguk Lee
1650 – 1700	Effect Ladder Drill Exercise for Increase Agility Small Man and Big Man in Basketball Players	Lesmana Syahmirza Indra
1700 – 1710	Analysis Study Physiotherapy Intervention of War – Related Injury and Received Physiotherapy Services in Unrwa, Gaza Strip	Faraj Abu Rayya
1710 – 1720	The Prevalence of Physical Activity Level and the Associated Factors among Office Workers in Penang, Malaysia	Veronica Seow
1720 – 1730	The Influence of Pillow Material and Shape on Cervical Curvature Stability	Jooyoung Chung
1630 – 1730	<b>Young Researcher's Platform 2</b> <i>Chairperson: Devinder Kaur Ajit Singh</i>	<b>Bronx IV</b>
1630 – 1645	Intrinsic Risk Factors for Lower Extremity Injuries in Badminton Players	Ang Lin Kang
1645 – 1700	Improvement of Lower Limb Alignment in Genu Varum through Stretching and Elastic Band Exercise	Kim Jin Sol
1700 – 1715	Timed Up and Go Test Normative Data of Malaysian Older Adults With and Without Mild Cognitive Impairment: Preliminary Results	Azianah Mohamad Ibrahim
1715 – 1730	The Mobility and Balance Problem Caused by the Visual Disturbance	Jeonguk Park
1630 – 1730	<b>Miscellaneous 4</b> <i>Chairperson: Chelvi Muniandy</i>	<b>Bronx V</b>
1630 – 1640	Error-Reduced Training of Fundamental Movement Skills in Children with Down syndrome: Proof of Concept	Catherine M. Capio
1640 – 1650	Effects of Basic Pilates Exercise on Abdominal Muscle Strength and Body Composition in Children Aged 10-11 Years	Weeraya Pramodhyakul

# SCIENTIFIC PROGRAMME

1650 – 1700	Physical Activity Level, Sitting Time, Cardiorespiratory Fitness and Body Mass Index of University Students in Malaysia	<i>Thirumalaya Balaraman</i>
1700 – 1710	Survey of Physical Activity of Students and Staff of Faculty of Associated Medical Sciences, Chiang Mai University 2015	<i>Araya Yankai</i>
1710 – 1720	Relationship between Fall Risk and Level of Physical Activity among Community Dwelling Geriatric Population	<i>Low Sok Teng</i>
1720 – 1730	The Effect of Circuit Weight Training and Weight Training on Foot Pressure	<i>Jemyung Shim</i>
1900 – 2200	<b>Gala Dinner</b>	<b>Manhattan III</b>

## SATURDAY, 8<sup>TH</sup> OCTOBER 2016

TIME	EVENT	ROOM & PRESENTER
0730 – 0830	Registration & Poster Mounting	Registration Counter, Level 14
0830 – 0915	Plenary 4: Patellofemoral Treatment Plan <i>Chairperson: Saravana Kumar</i>	<i>Alfio Albasini</i>
0915 – 1045	CONCURRENT SESSION 3	
0915 – 1045	Musculoskeletal and Sports Rehabilitation 3 <i>Chairperson: Lim Yi Lin</i>	Manhattan II
0915 – 1045	Symposium 6: Tradition and Evolution of Kinesio Taping	<i>Kenzo Kase</i>
0915 – 1045	Musculoskeletal and Sports Rehabilitation 4 <i>Chairperson: Yew Su Fen</i>	Bronx III
0915 – 0935	Symposium 7: Exploring the Perceived Needs of Women with Lymphedema after Treatment for Breast Cancer in Malaysia	<i>Yew Su Fen</i>
0935 – 0945	How Does Sitting, Standing and Alternate Sit-stand Effect the Recovery of Fatigue of Lower Back Muscles?	<i>Sheena Ting</i>
0945 – 0955	Novel Ultrasonography Approach on Psoas Major - Reliability for Measuring Psoas Major Thickness in a Lumbar Lordosis Maneuver	<i>Fu Yu, Lin</i>
0955 – 1005	The Comparison of Various Positions on Lumbar Multifidus Activation	<i>Minhyeok Choi</i>
1005 – 1015	Cross Sectional Areas and Fatty Infiltration in the Cervical Extensor Muscles in Older Women with Cervicogenic Headache	<i>Jenjira Assapun</i>
1015 – 1025	Correlation between Cervical Flexor Muscle Thickness and Craniocervical Flexion Torque	<i>Hiroshi Ishida</i>
1025 – 1035	Changes in the Anteroposterior Diameter of the Spinal Canal by Cervical Extension Exercise Using a Towel	<i>Masayuki Sugiyama</i>
1035 – 1045	Effect of Warm-Up Exercise in a Warm Bath for Vertical Jump Height	<i>Makoto Komiya</i>
0915 – 1045	Cardiopulmonary Rehabilitation 1 <i>Chairperson: Tetsuya Takahashi</i>	Bronx IV
0915 – 0945	Symposium 8: Clinical Importance of In-Patient Physical Activity after Cardiac Surgery, Peripheral Vascular Surgery and Endovascular Treatment	<i>Tetsuya Takahashi</i>
0945 – 0955	Effects of High-intensity Interval Training versus Moderate-intensity Continuous Training on Cardiopulmonary Fitness and Cardiometabolic Risk Factors in Metabolic	<i>Tseng Hau Tseng</i>
0955 – 1005	Activities of Daily Living in Different Levels of Renal Function in Elderly Hospitalized Heart Failure Patients	<i>Masahiro Kitamura</i>
1005 – 1015	Comparison of Respiratory Function and Oxygen Saturation Levels of Students Located in the Highlands and Lowlands University	<i>Chan-Woo Kim</i>
1015 – 1025	Impact of Physical Activity Telemonitoring on Chronic Obstructive Pulmonary Disease Patients in Pulmonary Rehabilitation Program	<i>Ching Man Tiffany Choi</i>
1025 – 1035	Exercise Oscillatory Ventilation in Severe Obstructive Sleep Apnea	<i>Ping-Lun Hsieh</i>
1035 – 1045	Characteristics of Age-Related Changes in Blood Pressure, Arterial Oxygen Saturation and Physique among Bolivian People in a Valley Area	<i>Keita Shimura</i>

# SCIENTIFIC PROGRAMME

0915 – 1045	<b>Neurological Science and Rehabilitation 1</b> <i>Chairperson: Haidzir Manaf</i>	<b>Bronx V</b>
0915 – 0945	<b>Symposium 9: Technology and Rehabilitation</b>	<b>Bala S. Rajaratnam</b>
0945 – 0955	Comparison of Righting Reactions Between Elderly With and Without Stroke Using Solid Angles	<i>Takayuki Yagi</i>
0955 – 1005	The Relationship between Vision and Postural Sway Evoked By Galvanic Vestibular Stimulation	<i>Osamu Aoki</i>
1005 – 1015	Effect of the Self-Monitoring Approach on Physical Activity in Hospitalized Patients in the Acute Phase of Mild Ischemic Stroke	<i>Masashi Kanai</i>
1015 – 1025	The Relationship between Arm Swing and Walking Abilities in Healthy Adults – Imaging of Hemiplegia Case	<i>Cavan Shuit</i>
1025 – 1035	Efficacy of Neuromuscular Electrical Stimulation for Preventing Quadriceps Muscle Wasting in Acute Stroke Patients	<i>Masafumi Nozoe</i>
1035 – 1045	The Effects of Temperature of Foot on Muscle Activation around Ankle Joint during Performed Balance	<i>Ji In Choi</i>
1045 – 1115	<b>Morning Tea Break &amp; Poster Session 3</b>	<b>Foyer Area, Level 14</b>
1115 – 1245	<b>CONCURRENT SESSION 4</b>	
1115 – 1245	<b>Miscellaneous 5</b> <i>Chairperson: Sarkuna Devi</i>	<b>Manhattan II</b>
1115 – 1245	<b>Symposium 10: The ABC of EBP: A Practical Approach to Evidence-Based Practice in Physical Therapy</b>	<b>Saravana Kumar</b>
1115 – 1245	<b>Musculoskeletal and Sports Rehabilitation 5</b> <i>Chairperson: Royson A. Mercado</i>	<b>Bronx III</b>
1115 – 1135	<b>Symposium 11: Philippine Educational Policy Development: Shifting to Outcomes-Based Framework</b>	<b>Royson A. Mercado</b>
1135 – 1145	Decreasing Ankle Swelling in Athletes with Lateral Ankle Sprain: Is there any Difference between Neuromuscular Electrical Stimulation and Kinesio Taping®?	<i>Vahid Mazloun</i>
1145 – 1155	The Effects of Exercise with Balancepad and Wedgeboard on Muscle activation and ROM of Ankle joint in 20's Women	<i>Ayoung Jeon</i>
1155 – 1205	Effectiveness of 1RM Based Dynamic Exercise Program on Hip and Knee Muscles of a Group of Transtibial Amputees in Sri Lanka	<i>Indrajith Liyanage</i>
1205 – 1215	Difference in Vertical Ground Reaction Force and Knee Flexion Angle between Dominant Leg and Non-Dominant Leg at Quick Stopping Motion	<i>Takuya Takeuchi</i>
1215 – 1225	Screening Test for Anterior Cruciate Ligament Injury Prevention Using the Accelerometer	<i>Takahiko Yamamoto</i>
1225 – 1235	Comparison of Anterolateral and Collateral Ligament Thickness According to Flexion Angle and Rotation of Knee	<i>Jin Woo Jung</i>
1235 – 1245	Shock Wave Therapy in Musculoskeletal & Sports Rehabilitation: A Clinical Prospective	<i>Jens Lundgren</i>
1115 – 1245	<b>Physiotherapy Education &amp; Miscellaneous</b> <i>Chairperson: Rumpa Boonsinsukh</i>	<b>Bronx IV</b>
1115 – 1135	<b>Symposium 12: Development and Implementation of New Physical Therapy Accreditation in Thailand</b>	<b>Rumpa Boonsinsukh</b>
1135 – 1145	Perception of Students' on Peer Teaching to Enhance Clinical Skills during Physiotherapy Practical Teaching	<i>Bhavani Veasuvalingam</i>
1145 – 1155	An Assessment of the Effects of Communication Skill Training for Physical Therapy Students	<i>Hiroyasu Iwatsuki</i>
1155 – 1205	Strategizing Assessment for Performance.... beyond the Psychometric Borders by integrating Construct for Whole Practice	<i>Bhavani Veasuvalingam</i>
1205 – 1215	Comparative Study of Consciousness of Ethics in Physical Therapists and Physical Therapy Students	<i>Myung Chul Kim</i>
1215 – 1225	Examining Inter-Rater Reliability of Video Assisted OSPE Marking for 3 <sup>rd</sup> Year Physiotherapy Students	<i>Punitha Kumar Ramasamy Kantharuban</i>
1225 – 1235	Comparison on the Prehabilitation between Korea and the United States: A Review	<i>Eun Byul Koh</i>



# SCIENTIFIC PROGRAMME

1235 – 1245	A Pilot Study to Investigate the Effect of Motor Imagery on Dynamic Balance of Asymptomatic University Students: A Longitudinal Experimental Study	Chang Yee Mun
1115 – 1245	<b>Neurological Science and Rehabilitation 2</b> <b>Chairperson: Nor Azlin Mohd Nordin</b>	<b>Bronx V</b>
1115 – 1125	Outcome of Care-Assisted Cafre Module for Stroke with Severe Disability in the Community: Findings from a Pilot Study	Nor Azlin Mohd Nordin
1125 – 1135	The Effectiveness of a Home-based Virtual Reality Tele-rehabilitation Intervention on Motivation in a Home Exercise Programme after Stroke	Nicholas Kan
1135 – 1145	Reliability and Validity of a Clinical Assessment Test of 180-Degree Standing Turn Strategy (CAT-STS)	Masaki Kobayashi
1145 – 1155	Characteristics of Motor Cortical Activity during Gait Observation	Tomotaka Ito
1155 – 1205	Turning Strategy and Pattern of Cognitive-Motor Interference during Dual Task Turning In Subacute Stroke	Nithinun Chaikereee
1205 – 1215	Relationship between Comfortable Gait Speed and Rate of Force Development in Acute Stroke Patients	Ryota Shimose
1215 – 1225	Effectiveness of Single-Arm Crank Exercise Test for Assessing Cardiorespiratory Fitness in Individuals with Hemiparetic Stroke	Kazuaki Oyake
1225 – 1235	Effects of Canalth Repositioning Manoeuvre on Static and Dynamic Balance Ability among Adults with BPPV	Phui Lin Se To
1235 – 1245	Effectiveness of an Intelligent Community Functional Screening Kiosk to Quantify Older Persons' Balance, Gait Speed and Lower Limb Strength	Bala S Rajaratnam
1245 – 1330	<b>Lunch Symposium: Use of Technology in Neurorehabilitation: What is the Trend and Evidence?</b> <b>Chairperson: Bala S. Rajaratnam</b>	<b>Bronx V</b> <b>Wee Seng Kwee</b>
1245 – 1400	<b>Lunch Break &amp; Poster Session</b>	<b>Foyer Area, Level 14</b>
1400 – 1445	<b>Plenary 5: Promoting Physiotherapy: How Do We Make Patients Demand Access to Our Care?</b> <b>Chairperson: Lim Yi Lin</b>	<b>Manhattan II</b> <b>Marcus Dripps</b>
1445 – 1600	<b>CONCURRENT SESSION 5</b>	
1445 – 1600	<b>Geriatric Rehabilitation</b> <b>Chairperson: Devinder Kaur Ajit Singh</b>	<b>Manhattan II</b>
1445 – 1505	<b>Symposium 13: Falls Among Community Dwelling Older Adults: Time to Act</b>	<b>Devinder Kaur Ajit Singh</b>
1505 – 1515	Comparison of Back Extensor Muscle Strength, Thoracolumbar Curvatures and Physical Performance among Older Adults with Normal and Low Bone Mass	Siew Kuan Chua
1515 – 1525	Development of Scale of Social Participation for Community-Dwelling Frail Older Adults: A Preliminary Survey	Takaaki Ikeda
1525 – 1535	Effectiveness of Nintendo Wii Fittm in Improving Dynamic Balance of Older Adults in an Institutionalized Centre: A Pilot Experimental Study	Donald Manlapaz
1445 – 1600	<b>Miscellaneous, Musculoskeletal and Sports Rehabilitation</b> <b>Chairperson: Suh-Fang Jeng</b>	<b>Bronx III</b>
1445 – 1505	<b>Symposium 14: Famili-Centered Intervention for Preterm Infants: Evidence and Clinical Implications</b>	<b>Suh-Fang Jeng</b>
1505 – 1515	Relative and Absolute Reliability of Ultrasonographic Measurement of the Thickness of Soft Tissue around the Glenohumeral Joint	Nobuhisa Ohya
1515 – 1525	Does Passive Cervical Mobilization Improve Deltoids Strength in Healthy Adults?	Lo Chi Ngai
1525 – 1535	Comparison of Muscle Activity by Sex during Arm Reaching Target Activities While Sitting on a Chair	Eunji Shin
1445 – 1600	<b>Miscellaneous 6</b> <b>Chairperson: Narasimman Swaminathan</b>	<b>Bronx IV</b>
1445 – 1505	<b>Symposium 15: Critical Care Physiotherapy – A Paradigm Shift</b>	<b>Narasimman Swaminathan</b>



# SCIENTIFIC PROGRAMME

1505 – 1515	Physiological Responses during Stair-Climbing With and Without Nordic Poles	<i>Hiroyasu Iwatsuki</i>
1515 – 1525	Virtual Alcohol Affected on the Balance and Visual Perception	<i>Jeonguk Park</i>
1525 – 1535	Comparison of Shoulder Ranges of Motion during Nordic Pole Walking and General Walking in Elderly	<i>Jemyung Shim</i>
1445 – 1600	<b>Neurological Science and Rehabilitation</b> <i>Chairperson: Joachim Fernandes</i>	<b>Bronx V</b>
1445 – 1515	<b>Symposium 16: The Burden of Non-Communicable Diseases and the Need for Sustained Lifelong Engagement in Physical Activity</b>	<b>Carol Clark</b>
1515 – 1525	Electroacupuncture at ST36 Ameliorates Colonic Neuronal Nitric Oxide Synthase Upregulation in Rats with Neurogenic Bowel Dysfunction Following Spinal Cord Injury	<i>Jiabao Guo</i>
1525 – 1535	Shock Wave Therapy Effectiveness in Treating Patients with Heel Pain: A Randomized Control Trial	<i>Eman Matar</i>
1535 – 1600	<b>2 Minutes of Best Oral Presentation and Poster Pitching</b> <i>Chairperson: Marc Daniel</i>	<b>Manhattan II</b>
1600 – 1630	<b>Evening Tea Break &amp; Poster Session 4</b>	<b>Foyer Area, Level 14</b>
1630 – 1715	<b>Plenary 6: Physiotherapy in the 21<sup>st</sup> Century - Sustainable Physiotherapy Education and Professional Competency.</b> <i>Chairperson: Marc Daniel</i>	<b>Manhattan II</b> <i>Gillian Webb</i>
1715 – 1800	<b>Awards Presentation &amp; Closing Ceremony</b>	<b>Manhattan II</b>

# POSTER SESSIONS

All poster sessions are held at Foyer Area, Level 14. Authors are expected to be beside their posters at the following times:

**Friday, 7<sup>th</sup> October 2016**  
1045 – 1115 hours  
1550 – 1630 hours

**Saturday, 8<sup>th</sup> October 2016**  
1045 – 1115 hours  
1600 – 1630 hours

## Set Up Poster Day & Time

**Friday, 7<sup>th</sup> October 2016**  
0730 – 0900 hours  
1315 – 1430 hours

**Saturday, 8<sup>th</sup> October 2016**  
0730 – 0830 hours  
1315 – 1430 hours

## Teardown Poster Day & Time

**Friday, 7<sup>th</sup> October 2016**  
1245 – 1315 hours  
1700 – 1800 hours

**Saturday, 8<sup>th</sup> October 2016**  
1245 – 1315 hours  
1700 – 1800 hours

## POSTER SESSION 1 (MORNING)

**FRIDAY, 7<sup>TH</sup> OCTOBER 2016 (1045 – 1115 HOURS)**

Poster Board	Paper Title	Presenting Author
<b>Cardiopulmonary Rehabilitation</b>		
1	Effect of Physical Training on Ve vs. Vco2 Slope in Patients with Cardiovascular Disease	Yuya Tsukada
2	Multiple Organ Failure Assessment Can Predict Achievement of Early Postoperative Rehabilitation Goal in Patients Undergoing Acute Aortic Dissection Repair	Michitaka Kato
3	Health-Related Quality of Life and Activities of Daily Living in Patients with Idiopathic Pulmonary Fibrosis	Akira Morino
4	Appearance of Tachycardia During Light-Intensity Exercise is Related to Risk of Hospital Readmission in Patients with Heart Failure	Norihisa Kawase
5	Predictors of Weight Change After Hospital Discharge in Obese Patients with Acute Myocardial Infarction	Yuji Mori
6	Fast Expiration Exercises without Pressure in Healthy Subjects	Hiroshi Ishida
<b>Geriatric Rehabilitation</b>		
7	Is Cognitive Status a Predictor of Frailty Among Older Adults Living at Institutions?	Devinder Kaur Ajit Singh
8	The Influence of String Figures Exercise on Depression by the Level of Post Stroke Dementia	Chung Joa Ahn
9	Electrically Stimulating Antagonist Muscles Could Improve Strength in Healthy Older Men	Yoshio Takano
10	Study of Curved-Path Walking Ability in Inpatients Walking with No Assistive Devices and Those Walking with a Cane	Kazuya Fujii
11	Predictor Assessment for the Decline of Activities of Daily Living 1 Year Post Surgery in Patients with Femoral Neck Fracture	Takuya Umehara
<b>Miscellaneous</b>		
12	Factors Enabling Habitual Performance of Pelvic Floor Muscle Exercises	Akiko Mori
13	Effect of Exercise Habits at Different Ages on Changes over Time in Bone Density and Segmental Body Composition	Sangun Lee
14	Business-Academia Collaboration Development of Women's Trousers Based on Lower Extremity Biomechanics Analysis: A Preliminary Study	Daisuke Uritani
15	The Effect of Ultraviolet B Irradiation and Exercise Load during the Growth Period on the Formation of Muscle Tissue	Shizuka Sato
16	Effect of Participation in Track Athletics on Physical Composition and Bone Density	Chihiro Okuyama

# POSTER SESSIONS

17	Effect of Gait Pattern Changes in Track Athletes on Ground Reaction Force and Bone Density	Yuri Ebina
18	Maintaining Exercise Habits Decreases Seasonal Variations of Physical Status in Obese Patients	Hiroto Honda
19	The Relationship between Fall Self-Efficacy and Physical Body Function: A Focus on Gait Ability	Daikichi Masatoki
20	Treadmill Walking in Water Induces Greater Respiratory Muscle Fatigue than Treadmill Walking on Land in Healthy Young Men	Yoshihiro Yamashina
21	Effectiveness of Supervised Exercise in Reducing Depressive Symptoms Among Healthy Workers: A Randomized Controlled Trial	Ryutaro Matsugaki
22	The Relationship Between the Fall Self-Efficacy and Physical Body Function	Yuichi Honda
23	Simultaneous Execution of Neuromuscular Electrical Stimulation and Muscle Stretching Increases Muscle Extensibility in a Short Time	Hideki Yoshida
24	Heat Stimulation Suppresses Muscle Fatigue Induced Neuromuscular Electrical Stimulation	Koh Tensaka
25	An Ideal Trans-Disciplinary Team Model Practice of Respiratory Assistive Device Evaluation in Taiwan	Ching-Yu Lin
26	Association Between Physical Activity and Depression Symptoms in Maintenance Hemodialysis Outpatients	Takahiro Shimoda
27	Relationship Between the Infrapatellar Fat Pad Elasticity and Starting Pain in Individuals with Knee Osteoarthritis Using Ultrasound Elastography	Shinjiro Osawa
28	Motor Learning Effect of the Body Handling in Physical Therapy with a Reaching Task	Hiroto Suzuki
29	Modified Checklist for Autism in Toddlers, Revised with Follow-up (M-CHAT-R/F): Cross-Cultural Adaptation and Clinical Validation in Taiwan	Yu-Ching Yang
30	Effect of Pre-Exercise Glycemic Index Meal on Endurance Exercise Performance: A Systematic Review	Chen-Yu Lo
31	The Effects of Intensive Care in Patients with Lower Extremity Lymphedema by Segment.	Jun Onobe
32	Kinematic Analysis of Stepping-Over Motion with Knee Joint Restriction Model in Healthy Adults	Kenichi Murakami
33	Effect of Chest and Abdominal Wall Mobility and Respiratory Muscle Strength on Forced Vital Capacity in Community-Dwelling Elderly People	Hideo Kaneko
34	Use of a Cane Might Worsen Accuracy of Step Length Adjustment During Walking	Miyoko Watanabe
<b>Musculoskeletal and Sports Rehabilitation</b>		
35	Active Release Technique versus Muscle Energy Technique on Hamstring Flexibility in Normal Adults	Mohamed Ragab
36	The Influence when Giving a Cooling Stimulus to the Muscle which Became Fatigued While it was a Short Time	Satoshi Matsuda
37	A Comparative Study of Properties of Shock Absorption Function between Normal Arch and Low Arch	Shingo Shimizu
38	Lumbar Facet Joint Syndrome and Intervertebral Disk Degeneration -The Relationship with Lumbar Disc Herniation	Kazuji Aoki
39	Effects of Very High and Low Stimulation Frequency on Stimulated Force and Fatigue of Quadriceps Femoris Muscle in Healthy Participants	Kitima Rongsawad
40	Verify the Effectiveness of the Myotuning Approach	Yusuke Miyakawa
41	All Fours Belly Breathing in Patients with Chronic Low-Back Pain a Randomized Controlled Trial	Avanianban Chakkarapani
42	Behavior of Central Apo Neurosis of the Rectus Femoris Muscle during Contractions in Individuals with Knee Osteoarthritis	Yusuke Takahashi
43	The Effect of Hallux Valgus Correction Taping on Foot Arch and Static Balance of Young Adult with Hallux Valgus	Suhn-Yeop Kim
44	High Echo Intensity of the Prefemoral Fat Pad in Individual with Knee Osteoarthritis	Kazuyuki Shibata
45	Elasticity of the Pronator Teres Muscle in Youth Baseball Players with Elbow Injuries Using Ultrasound Elastography	Akira Saito

# POSTER SESSIONS

46	Does Simultaneously Combined TENS And Thermotherapy or Cryotherapy Enhance Pain-Relief Effect Compared with TENS Alone in Patients with Knee Osteoarthritis?	Takaya Maeda
47	Relationship Between Vastus Medialis and Vastus Lateralis Muscle Activity on Patellofemoral Pain Syndrome —An Electromyographic Analysis	Kang Siang Gan
48	Analysis of Dynamic Balance in Obese Individuals with and Without Patellofemoral Pain Syndrome Using Star Excursion Balance Test	Ai Sing Gan
49	Analysis of the Risk Factors of Work Related Musculoskeletal Disorder among Dentist	Hyo-Lyun Roh
50	The Changes in Range of Motion and Pain due to the Myotunnig Approach Case Studies	Shuntaro Yoshida
51	Physical Characteristics Associated with Spondylolysis to Achieve Bone Union	Kazufumi Yamazaki
52	The Effects of Postoperative Functional Training for Anterior Cruciate Ligament Reconstruction	Jui-Chi (Lorna) Shih
53	Effect of Lateral Wedge Insole for Medial Meniscus Extrusion in Medial Knee Osteoarthritis	Yousuke Ishii
54	Accumulation of Advanced Glycation End Products Accelerates Knee Joint Contracture Formation Following Immobilization in Rats	Junya Ozawa
55	Thicknesses Comparison of the Transverses Abdominis and Internal Oblique During Plank Exercises According to the Unstable Surface	Hanbin Lee
56	Effects of Scapular Stability Exercise on Shoulder Stability and Rehabilitative Ultrasound Images in Office Workers	Byounghee Lee
<b>Neurological Science and Rehabilitation</b>		
57	Effect of Neural Mobilization on Altered Vibration Perception Threshold (VPT)	Manisha Parai
58	The Accuracy of Prognostic Prediction Based on the Initial Assessment by Physical Therapists in Acute Stroke Patients	Yoshinobu Yamanouchi
59	Effects of Ankle Exercise Integrated Repetitive Transcranial Magnetic Stimulation on Motor Evoked Potential and Muscle Peak Torque in Subacute Stroke	Myoung-Kwon Kim
60	Upper Limb Functionality and Instrumental Activities of Daily Living Skills among Chronic Stroke Survivors Attending Community-Based Rehabilitation	Nor Azlin Mohd Nordin
61	Active Circuit Class Training Contributes to a High Functional Independence Measure Efficiency in Severe Case of Elderly Stroke Patients	Takeshi Tsutsumi
62	Effect of Motor Imagery of Truncal Exercises on Trunk Function and Balance in Early Stroke: A Randomized Controlled Trial	Reethu Elsa
63	EMG Characteristics of Muscle Activities of after Stroke during grade of Adjustable Posterior Strut Ankle Foot Orthosis-A Single Study	Mito Ryomon
64	An Exploration of the Factors that Influence Increased Affected Finger Skin Temperature in Post-Stroke Hemiplegic Patients	Rei Odagiri
65	Hybrid Assistive Limb Robot Suit Facilitated Walking Rehabilitation after Spinal Surgery: A Case Report	Harutoshi Sakakima
66	Characteristics of Standing Plantar Pressure Distribution in Hemodialysis Patients with Peripheral Neuropathy	Takaaki Watanabe
67	Time Course of Changes in Corticospinal Excitability After Short-Term Forearm/Hand Immobilization	Tetsuya Karita
68	Changes in the Intact Corticospinal Excitability and Motor Recovery After Stroke	Akihiro Matsuura
69	Utility of Bridge Exercises for Evaluating Hemiplegic Stroke Patients	Yui Takahashi
70	Therapeutic Effects of Brain-Computer Interface-based FES Training on Balance and Gait Functions in Chronic Hemiparetic Stroke Patients	Byounghee Lee
71	Training Bobath Methods Better than Feldenkrais Methods to Improve of Balance among Post Stroke Patients	Aditya Pratama Denny
<b>Physiotherapy Education</b>		
72	Technology Acceptance Model (TAM) and E-Learning among Universiti Tunku Abdul Rahman (UTAR) Bachelor of Physiotherapy (Hons) Students	Avanianban Chakkarapani

# POSTER SESSIONS

## POSTER SESSION 2 (AFTERNOON) FRIDAY, 7<sup>TH</sup> OCTOBER 2016 (1550 – 1630 HOURS)

Poster Board	Paper Title	Presenting Author
<b>Cardiopulmonary Rehabilitation</b>		
1	Measurements of Maximal Nasal Inspiratory and Expiratory Pressures for Respiratory Muscle Strength Assessment in Patients with Guillain-Barre Syndrome	Manaka Shibuya
2	Effects of Low level LASER Therapy on Diabetic Hind Limb Ischemic Mice	Yu-Jung Cheng
3	Reduced 6-Minute Walking Distance is Associated with ADL Disability in Patients with Respiratory Failure	Kiyokazu Sekikawa
4	The Experiences of Physical Therapy for the Patients with Veno-Venous Extracorporeal Membrane Oxygenation in Hiroshima University Hospital	Kazuhiro Sarada
5	The Relationship between Tidal Volume and Changes in Volumes of Hemi-Thoraces in Sitting	Akira Shobo
6	Physical Performance and Physical Activity in Hemodialysis Patients with Peripheral Arterial Disease	Manae Harada
7	Factors Related to Postoperative Gait Speed Decline in Older Cardiovascular Patients: A Multicenter Prospective Cohort Study	Atsunori Itagaki
<b>Geriatric Rehabilitation</b>		
8	The Effects of Ankle Push-Off in Backward Walking for Ankle Joint and Hip Joint	Makino Misato
9	The Influences of Age and Care Need on the Sit-To-Walk Task in a Community-Dwelling Elderly Population	Tomoyuki Asakura
10	Decreased Muscle Co-Contraction during Voluntary Postural Sway at Fast Speed in the Elderly People	Yoshitaka Iwamoto
11	Effect of 1-Year Participation in a Health Enhancing Exercise Program for Physically Handicapped Persons and The Frail Elderly	Takumi Yamada
12	A Study of Factors Associates with the Occurrence of Depression Symptoms among Community-Dwelling Old-Old Adults	Kazunari Itou
<b>Miscellaneous</b>		
13	Gait Analysis of Patients with Torn Discoid Lateral Meniscus	Takumi Abe
14	Asymmetric Relationship in Movements between Thorax and Pelvis during Squat	Kazuya Tame
15	Differences in Respiratory Function between Exercise and Non-Exercise Supine Positions Maintained with a Foam Roller	Dai Uchida
16	Changes of Muscle Activity and Hip Pressure Distribution with a Sloping Seat	A Reum Kim
17	Change of Screw Home Mechanism in Open and Closed Kinetic Chain Movements	Na Young Kim
18	Changes in Lumbar Muscle Activity Levels and Hemodynamics due to Differences in Posture	Tsuneo Kumamoto
19	The Effect of Elastic and Non-Elastic Tape on Muscle Activity among Individual with Forward Head Posture	Yun Jeong Lee
20	Effect of the Upper Limb Muscle Activity According to Shoulder Angle in the Push Up Plus	Eun Sil Moon
21	Comparison of Isokinetic Muscular Strength of the Knee Joint According to the Ankle Joint Position	Jeong Eun Lim
22	Effects of Maximal Expiratory Resistance Training on Lateral Abdominal Muscles in Normal Adults	Jea Hong Jo
23	Comparison of Pennation Angle between Vastus Medialis and Vastus Lateralis According to the Angle of Squat	Juhye Park
24	Report About Effects of Nordic Walking on Muscle Activity and Gait Fluctuation	Yosuke Yoshimura
25	Influence of Vibration on Articular Cartilage of Experimental Osteoarthritis Model in Mice	Satoshi Kojima
26	Case Report: The Effect of Complete Decongestive Physiotherapy (CDP) in Malignant Breast Lymphedema After Colon Cancer	Chou Ya Hui



# POSTER SESSIONS

27	A Preliminary Study of the Measurement of Three-Dimensional Sternal Posture Using a RGB-D Camera System for Seating Evaluation	Satoshi Shirogane
28	Different Head Tilting between Leftward and Rightward Neck Bending Motions	Tomoko Kawasaki
29	Acute Effect of One-Legged Stretching on Peripheral Arterial Stiffness and Blood Flow in Healthy Young Men	Yosuke Yamato
30	Physical Functions and Activities of Daily Living After Total En Bloc Spondylectomy for Spinal Metastasis of Breast Cancer	Yuki Kurokawa
31	The Postural Sway is Not Larger for Larger Amplitude of Head Rotation in Healthy Subjects	Yoshiki Fujita
32	Effectiveness of Family-Center Intervention Program on Growth in Preterm Infants with Very Low Birth Weight	Hsiao-yuan Lee
33	A Survey Study of Participation in Recreational and Sports Activities as a Leisure for Physically Handicapped Child	Tetsuji Ishida
34	Effect of Different Levels of Pressure Relieving Air-Mattress Firmness on Cough Strength	Norimichi Kamikawa
35	Recognition of the Definition and Scope of Community-Based Rehabilitation among Medical, Healthcare, and Welfare Service Providers in Japan	Hiroaki Morita
36	Effect of a Respiratory Muscle Training Program on Lung Function and Oxygen Consumption in Sedentary People	Edgar Hernandez
37	An Investigation into Health Related Physical Fitness among Physiotherapists	Anila Paul
<b>Musculoskeletal and Sports Rehabilitation</b>		
38	Change in Standing Balance Three Months after Unilateral Total Knee Arthroplasty in Female Patients with Osteoarthritis	Naruaki Toda
39	Measuring Leg-Press Strength Using A Pull-Type Hand-Held Dynamometer: An Examination of the Reliability of the Protocol	Toshiaki Seko
40	Association Between Spinal Movement During Gait and Clinical Symptoms in Degenerative Lumbar Scoliosis Patients	Haruka Nakamura
41	Change of Abdominal Muscle Thickness on Different Trunk Muscle Training After Lumbar Spinal Surgery	Hisashi Fujikawa
42	Treadmill Running Has Negative Effects on Arthrogenic Contracture in Remobilized Rat Knee	Akinori Kaneguchi
43	The Evaluation of Lesion Type for Osteochondritis Dissecans of the Humeral Capitellum - The Relevance of Carrying Angle-	Takashi Hashiba
44	The Effect of Myotuning Approach to the Sympathetic Nervous Activity	Katsutaka Maguchi
45	Acute Effects of Static Stretching and Dynamic Stretching on Muscle Hardness and Isometric Muscle Strength of the Gastrocnemius Muscle	Yusuke Kimoto
46	Effects of Breathing Exercise Method on Craniovertebral and Cranial Rotation Angle	Hyeong Min Shin
47	Effects of Action Observation on Performing Non-Weight-Bearing Gait with Crutches	Hiroshi Osaka
48	The Influences of Pelvic Belt on Hip Adductor Muscle Force in Healthy Individuals	Jae-Seop Oh
49	Body Sway and Pain in the Early Postoperative Period in Patients Undergoing Opening Wedge High Tibial Osteotomy	Tatsuya Ishii
50	Effects of a Gradually Increased Load on the Progression of Disuse Muscle Atrophy of the Rat Soleus Muscle	Kazumi Zushi
51	Intramuscular Hypoxia and Muscle Activity Induced by Partial Range Exercise	Masahiro Goto
52	Retrospective Epidemiological Survey of Injury Rates and Pattern Amongst University Competitive Weightlifters: A Pilot Study	Yuichi Abe
53	The Influence of Ankle Inversion Angle on Trunk Muscle Activity During Squat Exercise	Juye Kim
54	The Effects of Medial or Lateral Wedge on Control of Postural Sway in Healthy Adults during One Leg Standing	Hanbi Lee
55	The Effect of Various Pilates Activities on Abdominal Muscles Thickness	So Hee Sim
56	The Comparison of the Subacromial Space According to the Difference Conditions	Jong Hun Im

# POSTER SESSIONS

57	Age and Training Effect on Arthro-kinematics of the Tibiofemoral Joint	Ruo Yan Wu
58	The Effect of the Transcutaneous Vacuum Treatment in Vastus Lateralis Muscle	Junzo Tsujita
<b>Neurological Science and Rehabilitation</b>		
59	Physical Inactivity and the Factors in Early Stroke Patients	Emi Matsumoto
60	Effectiveness of Brace Therapy in the Acute Phase of Stroke	Shota Zushi
61	Comparison of Physical Functions between Rigid and Plantar-Stop Ankle-Foot Orthotics in Adult Patients with Stroke	Satomi Iwasawa
62	Usefulness of the Motor-Fim Score for the Prediction Method Based on a Logarithmic Model for Functional Recovery in Stroke Patients	Yosuke Kimura
63	Relationship between Vertical Perception and Activities of Daily Living in Patients with Neglect and Pusher Behaviour	Manabu Nakamura
64	Hyper Muscle Tone Increases Ipsilateral Cortical Excitability in Healthy Young Subjects	Futoshi Mori
65	The Effects of Inspiratory Muscle Training on Inspiratory Function, Diaphragm Thickness, Walking Endurance and Fatigue in Patients with Chronic Stroke	Cho Ji Eun
66	Effectiveness of Prognosis Prediction by Using Functional Independence Measure for Participants with Stroke	Ken Imada
67	The Effects of Suprapostural Attentional Focus on Postural-Suprapostural Task	Yu-Ting Hung
68	Characteristics of Physical Activity in Different Body Positions and Therapeutic Contents during Physical Therapy Sessions in Subacute Stroke Inpatients	Natsuki Shimizu
69	Prediction of Discharge Walking Ability from the Initial Assessment of Stroke Patients: Is Motivation Required in an Acute Hospital Setting?	Kousei Kubo
70	Prognostic Factors for Walking Recovery Within 6 Months Post Stroke	Siriphan Kongsawasdi
<b>Physiotherapy Education</b>		
71	Exploratory Research into Clinical Reasoning	Toyomi Nagai
72	Clinical Clerkship Content for the Medical Fields: A Qualitative Systematic Review	Kanako Komukai

## POSTER SESSION 3 (MORNING) SATURDAY, 8<sup>TH</sup> OCTOBER 2016 (1045 – 1115 HOURS)

Poster Board	Paper Title	Presenting Author
<b>Cardiopulmonary Rehabilitation</b>		
1	Influence of Bathing in Artificially Carbonated Water on Respiration and Circulation	Masahiro Satake
2	Effects of Mechanically Assisted Coughing Procedures in Patients with Neuromuscular Disease	Kazuto Kikuchi
3	Heart Rate Variability and Endurance of Quadriceps in Patients with Chronic Obstructive Pulmonary Disease	Ryugo Sakurada
4	Examination of Cardiopulmonary Exercise Test and Cardiorespiratory Function in Patients with COPD	Kazuki Takahashi
5	The Differences in Exercise Tolerance between Post-Aortic and Post-Mitral Valve Surgery Patients	Takuya Matsumoto
6	Increased Physical Activity after Initial Stroke Can Prevent Stroke Recurrence	Harunobu Usui
<b>Geriatric Rehabilitation</b>		
7	Effects of Elastic Resistance Exercise on Body Composition and Physical Function in Obese Elder Patients with Knee Osteoarthritis	Chun-De Liao
8	Exercise Intervention in Community-Dwelling Middle-Aged and Elderly People: Motor Function and the Risk for Locomotive Syndrome	Hiroshi Goto
9	Physical Functions in Community-Dwelling Older Adults who Fell in Non-Winter Season	Ryo Yamaguchi

# POSTER SESSIONS

10	What is Effect on Abnormal Venus Return Time at elderly with Non-Independent Living?	Masahiro Torige
11	Wii-Fit Training Improving Cognitive and Balance Function in the Patients with Cognitive Impairment	Ya-tzu Hsu
12	The Effects of Movement Guidance Using Perceptual Stimulus Insole in Elderly Persons	Masaki Hasegawa
<b>Miscellaneous</b>		
13	Changing in Activation of Lumbar Multifidus Depending on the Neck Rotation Position	Fumihito Yanagisawa
14	Validity and Reliability Assessment of an Apathy Scale for Home-Care Patients with Parkinson's Disease: A Structural Equation Modeling Analysis	Hiroaki Morita
15	Inspection of the Reliability About Criteria for Crawling Motion Analysis : Concordance Rate About Number of Motion Types	Erina Fujisawa
16	Detecting Risk of Stress Urinary Incontinence Using Degree of Pelvic Floor Elevation	Hitomi Ubukata
17	Inspection of the Reliability about Criteria for Crawling Motion Analysis: Concordance Rate for Criteria's Code	Shiho Mieno
18	Influences of Increased Stair Descent Speed on Biomechanics of Lower Limb	Motohiro Fukui
19	Use of Corset is Effective to Reduce Trunk Movement, But Not for Postural Sway	Makoto Yamada
20	Effects of Mode of School Bag Carriage on Gait Pattern of Male Students in a Government School, Sri Lanka	F.N Alawdeen
21	Relationships between Change in Self-Physical Recognition and Foot Clearance during Maximum One Stride Width on Velocity Variation	Ryoma Mitani
22	Establishing Family Outcome Indicators for Early Intervention Services in Taiwan	Shih-Heng Sun
23	Comparison of Foot Kinetics in the Frontal Plane during Gait Initiation between Young and Elderly Subjects	Yoshinao Satoh
24	Simulation of the Effect of Decreasing Lateral Component of Ground Reaction Force during Walking on Mechanical Stress of Knee Joint	Takehiro Omi
25	Biomechanical Analysis of Chair Rise with Appropriate and Inappropriate Assistance	Hiroki Aoyama
26	Differences in Acute Effects of Cycling Exercise between Upright and Recumbent Positions	Ryo Suzuki
27	Three-Dimensional Analysis of Displacements of Center of Gravity on Gait in Children with Cerebral Palsy	Araya Yankai
28	Hip Joint Reaction Force in the Single Leg Standing and Kneeling Postures	Akiko Kawashima
29	Bilateral Difference in Muscle Hardness of Iliocostalis Thoracis in Healthy Men Detected by Ultrasound Real-Time Tissue Elastography	Akira Hirosawa
30	Characteristic Lateral Changes of the Lower Thorax Shape and Trunk Alignment in Active Pelvic Rotation	Hiroki Tsuchiya
31	Effects of Motion Speed on Trunk Biomechanics in the Frontal Plane During Sit-to-Walk	Takahiro Sumimoto
32	The Effect of Routine-Based Model on Parent-Child Interaction for Children with Developmental Delay and Their Parents	Ching-Yan Chiou
33	The Report of the Project of Support for Disabled Sports in Peru –International Fellowship-	Fumiyo Matsuda
34	Different Roles of Left and Right Lumbar Erector Spinae Muscles in the Trunk Rotation Induced by the Pelvis Forward Tilting	Tetsuya Mamizu
35	Hierarchical Linear Modeling Analysis of the Influencing Factors on Medical Costs of Nurses' Occupational Injuries and Diseases in Taiwan	Pei-Rong Wu
36	Efficacy of Complex Decongestive Physiotherapy (CDP), Predictive Factors of CDP and Quality of Life in Lower-Extremity Lymphedema after Gynecologic Cancer	Hsin-ya Huang
37	Awareness about Role of Physiotherapy in Health Promotion among Female Employees	Anila Paul
<b>Musculoskeletal and Sports Rehabilitation</b>		
38	Perspective Regarding Pain and Fear Avoidance Belief in Adults with Chronic Non-Specific Low Back Pain	Devinder Kaur Ajit Singh
39	Verification of the Effects on Blood Flow Caused by Improvement of Pain through Myotuning Approach –Part2-	Shuntaro Yoshida

# POSTER SESSIONS

40	The Influence of Catastrophizing on Pain Worsening Via Disuse and Disability in Patients with Symptomatic Knee Osteoarthritis	Ryo Tanaka
41	Joint Contracture is Recovered by Remobilization with Accompanying Elongation of Shortened Muscle Lengths in Rat Knees	Junya Ozawa
42	The Applicability of Ultrasonography for the Measurement of Muscle Activity of Medial Gastrocnemius on Different Heights of Heels	Heeju Kim
43	Change of Quadriceps Muscular Strength and Muscle Activity According to Knee Extension Angle and Body Mass Index	Sumin Kim
44	Histopathological Effect of Joint Mobilization on Knee Joint Articular Capsules in Rat Immobilized for 8 Weeks	Masanori Watanabe
45	Effects of Active Exercise Combined with Repetitive Peripheral Magnetic Stimulation on a Hemiplegic Lower Limb: A Case Report	Keita Suzuki
46	Electromyography Analysis in Stratified Core Stability Testing	Satoshi Tagashira
47	Effects of Combined Aerobic Dance Exercise and Honey Supplementation on Immune Functions in Women	Marhasiyah Rahim
48	Psychometric Properties of BESTest, Brief-BESTest and mini-BESTest in Individuals with Cervical Spondylotic Myelopathy	Alice Chiu
49	The Association between Dynamic Trendelenburg Test and Hip Abductor Muscle Strength	Yoshinori Kagaya
50	Measurement of Quadriceps Contraction with Muscle Thickness and Echo Intensity by Ultrasonography are Associated with Muscle Strength	Takayuki Kasai
51	Comparison of Muscle Strength, Functional Performance, and Fall Rate of Patients 10-Year after THA and Healthy Adults	Kazunari Ninomiya
52	The Effects of Verbal Instruction during Single-Leg Squats and Landings	Shohei Sato
53	Features of the Ankle Inversion Rom in Female Soccer Players who have Repeated Ankle Sprain	Yuki Muramoto
54	Results of Medical Examination for Little League Elbow and A View of the Future	Toshiki Horiuchi
55	The Role of Physiotherapy in the Rehabilitation of Chronic Neck Pain and Shoulder Pain: Single Subject Case Study	Balwindarjit Kaur
56	Anatomic Study of the Supraspinatus and Infraspinatus Related to Shoulder Subluxation Injuries	Ami Kaneko
57	Measuring the Effectiveness of the Trapezius Muscle Trigger Point with Post Application of Hot Pack a Treatment of Cervicogenic Headache	Awais Bin Inam
58	Is Basic Stretching (Exercise) & Icing "A True Myth" in the Management of Shin Splint Syndrome for Amateur Athletes?	Awais Bin Inam
<b>Neurological Science and Rehabilitation</b>		
59	The Relationship between Rate of Force Development and Walking Speed in Post-Stroke Patients with Slight Paresis	Ikumi Enoki
60	Factors Influencing the Life-Space of Post-Stroke Community-Dwelling People	Satoshi Tsunoda
61	Efficiency of Phototherapy in Patients with Complex Regional Pain Syndrome: A Systemic Review and Meta-Analysis	Chun-De Liao
62	The Influence of Horizontal-Vertical Illusion on Stairs Foot Clearance over the Step of Healthy Young Adults	Yoshiyuki Murakami
63	Effects of Upper Extremity Weight-Bearing Device on Function and Muscle Architecture of Upper Extremity and Trunk for Chronic Stroke	Wan-hee Lee
64	Pure Motor Chronic Inflammatory Demyelinating Polyneuropathy with Muscle Degeneration: A Case Report	Ryo Harigai
65	Effects of Upper Limb Robot Therapy on the Function of Upper Limb in Patients with Hemiplegia: Pilot Study	Young Dong Kim
66	Effects of Dual-Task Training on Divided Attention and Postural Control in Patients After Stroke	Ayaka Maeda
67	The Effects of Gait Training with Faster Touch Contact with a Cane on Gait Performance in a Chronic Stroke Survivor	Hiroyuki Hashidate



# POSTER SESSIONS

68	Which Balance Test is Useful to Assess the Balance Ability of Patients with Parkinson's Disease?	Hisashi Mochizuki
69	Differences in Improvement of Mobility Independence among Subacute Stroke Inpatients who were Prescribed KAFO or AFO	Tomohiro Ota
70	Relationship between Gait Parameters and MR Imaging Finding in Idiopathic Normal Pressure Hydrocephalus Patients after Shunt Surgery Following Rehabilitation	Ippey Kitade
71	An Assessment of the Vestibulo-Ocular Reflex (VOR) in Ballplayers by Visually Monitored Postrotary Nystagmus	Min-Hsuan Chang
<b>Physiotherapy Education</b>		
72	Development Scale of Health Management to the Physical Therapist: The Study is Construct Validity and Reliability	Lee Yeonkyo

## POSTER SESSION 4 (AFTERNOON) SATURDAY, 8<sup>TH</sup> OCTOBER 2016 (1600 – 1630HOURS)

Poster Board	Paper Title	Presenting Author
<b>Cardiopulmonary Rehabilitation</b>		
1	Evaluation of Cough Ability by Body Position and the Effects of Manually Assisted Cough on Healthy Young Adults	Toshifumi Takao
2	A Quasi-Experimental Study to Assess Potential Impact of Pre-operative Program to Prevent Pulmonary Complication from Abdominal Surgery	Aekaluck Kobsarigorn
3	Impact of Preoperative Physical Activity on Delirium after Cardiovascular Surgery	Atsunori Itagaki
4	Effect of Brief Cardiac Rehabilitation Program on Cardiovascular Endurance: Evidence from the Private Hospital in Southeast Asia	Pennapa Ranprai
5	Factors Associated with Timing of Getting Out of Bed in Patients with Critical Illness on Mechanical Ventilation	Kosuke Sasaki
6	Hospital-Acquired Anemia in Cardiac Rehabilitation Patients with Cardiac Surgery	Yu-shan Lin
<b>Geriatric Rehabilitation</b>		
7	Postural Sways in Community Dwelling Older Adults Measured Using an Accelerometer	Nor Najwatul Akmal Ab Rahman
8	The Relationship between Physical Function, Activity Level and Health-Related QOL in Community-Dwelling Elderly	Satomi Kobayashi
9	Systematic Review of the Effectiveness of Physical Exercise with Virtual Reality in Rheumatoid Arthritis	Edgar Hernandez
10	The Effectiveness of Balance Exercise in Increasing Dynamic Balance among the Elderly People in Denpasar City, Bali	Made Hendra Satria Nugraha
11	Sociodemographic, Clinical and Physical Functional Risk Factors of Falls among Hospitalized Older Adults	Resshaya Roobini Murukesu
12	Correlation between Self-Efficacy, Participation in Physical and Social Activity among Hospitalized Older Adults	Rajwinder Kaur Hardev Singh
13	Association between Physical Activity and Cognitive Status with Prevalence of Fall among Community-Dwelling Older Persons in Abucay, Bataan, Philippines	Catherine Joy Escudra
<b>Miscellaneous</b>		
14	The Correlation between Eating Behavior and Body Mass Index in Young Employees of a Local Hospital in Taiwan	Ching-Yu Lin
15	Exercise Emotion is Associated with Exercise Self-Efficacy in Healthy Adults	Takeki Ishida
16	What is the Factor Related to Vascular Function at Health Promotion Support of the Adults with Visual Impairment?	Akira Kimura
17	Study on the Characteristics of Trunk Fluctuation in Patients with Knee Osteoarthritis Using an Accelerometer and Gyroscope	Ryoji Kiyama
18	Motor Coordination between Eyes and Body Segments during Turning Tasks in the Sitting and Standing Positions	Makoto Suzuki
19	Effect of Surface Interference Current in Pelvic Floor Muscle Training for Stress Urinary Incontinence in Women: A Pilot Study	Mineko Takagi
20	Reliability and Validity of Internal Rotation and External Rotation of Shoulder Joint using Smart Phone and Goniometer	Min-gi Jeong
21	Effect of Physical Activity (Walking Plus Radio Calisthenics) on Blood Glucose Lowering in Patients with Type 2 Diabetes	Yoshihiro Atsumi



# POSTER SESSIONS

22	Workloads of Physical Therapists Providing Primary Health Care Services in Thailand	Nongkhran Termwut
23	Pattern of Exercise Prescription for Type 2 Diabetes Mellitus Patients by Physicians of Malaysia	Pearly Lim
24	Intrarater and Interrater Reliability of Sagittal Head Posture: A Novel Technique	Mohammad Jafar Shaterzadeh Yazdi
25	The Knee-Spine Syndrome on the Frontal Plane - The Correlation between Pelvic Obliquity and Dynamic Alignment of Knee during Gait	Masanori Takemura
26	Association between Contractions of Pelvic Floor Muscles Using X-Ray Imaging and Contractions of Transversus Abdominis Muscles	Koji Shimatani
27	The Effect of Body Weight Support Using Assistive Devices on Locomotive Physical Activities Estimated by a Triaxial Accelerometer	Yoshiya Fujika
28	Analysis of Motor Learning during Asymmetric Gait Using Accelerometer.	Masayuki Kawada
29	The Effect of Indoor Rowing Exercise on Intermuscular Adipose Tissue in Obese Subjects: A Study Protocol	Nur Farhana Md Yunus
30	The Influence of Abductor Hallucis and Flexor Hallucis Brevis Fatigue on Foot Kinematics during Gait	Kazunori Okamura
31	Prevalence of Metabolic Syndrome among Malaysian Chinese Tertiary Students	Sinouvasane Djearamane
32	How Fit are the Entry Level Physiotherapy Graduates?	Praveen Jayaprabha Surendran
33	Effect of Changing Planter Flexion Resistive Moment of Ankle Foot Orthosis on the Gait: A Pilot Study	Masataka Yamamoto
34	Biomechanics Parameters of Asian Elephant Gait	Siriphan Kongsawasdi
<b>Musculoskeletal and Sports Rehabilitation</b>		
35	Effect of Trunk Muscles Activation in Respiration Conditions during Trunk Stabilization Exercises	Sang-hun Lee
36	Comparison of Quadriceps, Hamstrings and Gastrocnemius Muscle Activities in Three Balance Exercises	Su-jin Sim
37	Effect of Mobilization with Movement in Young Women with Ankle Sprains	Natsumi Hashimoto
38	Pre-Prosthetic and Prosthetic Rehabilitation for Bilateral Transradial Amputee with Myoelectric Prosthesis	Sivakumar Samiappan
39	Effect of Short Foot Exercise Training on Intrinsic Muscle Strength and Dynamic Foot Alignment	Osamu Nojima
40	Validity of the Quantitative Evaluation of the Anterior Drawer Test Using a Magnetic Tracking Device	Hiroshi Shinohara
41	The Difference of Muscle Strength While Shouting Vowel Sound	Shogo Sakai
42	Reasons for Variation in the Effectiveness of Cognitive Behavioural Therapy in Physiotherapy Management for Chronic Low Back Pain: Systematic Review	Latifa Alenezi
43	Interaction between Femoral Neck Anteversion and Guiding Plantar Pressure Distribution	Yuki Nakai
44	Effects of Therapeutic Ultrasound on Muscle Hardness of the Triceps Surae Muscle and Passive Stiffness in the Ankle Joint	Katsuyuki Morishita
45	Baseline Flexibility Does Not Influence the Effects of Static Stretching on Gastrocnemius Muscle	Kosuke Takeuchi
46	The Influence of Joint Angles on the Muscle Tension Ratio of Gluteus Maximus and Hamstrings during Single Leg Squat	Yoshiki Motomura
47	Physical Therapy Modalities for Non-Specific Low Back Pain in a Large International Hospital for Medical Tourism in Asia	Pimporn Khotpet
48	Anatomical Variation of an Angle Created by Calcaneofibular Ligament with Long Axis of the Fibula	Hisayoshi Yoshizuka
49	The Analysis of B-Mode Ultrasound Changes in Vastus Lateralis Muscle Following the Transcutaneous Vacuum Treatment	Junzo Tsujita
50	The Effect of Transversus Abdominis Contraction on Bipedal Balance in Healthy Individuals	Thiwaphon Chatprem
51	The Effect of Abdominal Drawing-in Maneuver on Static Balance in Clinical Lumbar Instability Patients	Wantanee Yodchaisarn
52	Prolonged Anterior Knee Pain after MPFL Reconstruction: A Case Report	Tatsuki Oshiro

# POSTER SESSIONS

53	Effects of Skin Stretching without Joint Movement on Range of Motion in Rats	Atsushi Tasaka
54	Functional Movement Screen and Dynamic Balance After Anterior Cruciate Ligament Reconstruction in Elite Soccer Players	Meysam Razi
<b>Neurological Science and Rehabilitation</b>		
55	The Effect of Auditory and Vibration Stimulation on Proprioception of the Lower Extremity	Yeeun Kim
56	Effects of Rhythm on Speed-Accuracy Trade-Off during Arm Movement of Pointing to a Target and Moving from Side to Side	Kiichi Kiriya
57	The Other Side of Mirrors: An Innovative Approach in Hemi Facial Pain	Jenifer Dsa
58	The Effect of Virtual Reality Training on Eye-Hand Coordination in People with Stroke	Mohammad Jafar Shaterzadeh Yazdi
59	Correlations of Intralimb Coordination with Gait Kinematics and Physical Function in Patients with Stroke	Kaoru Sakuma
60	Characteristic of Recovery From Muscle Fatigue in Charcot-Marie-Tooth Patients with Electromyographic Study (Second Report)	Toshinori Shimoi
61	Transfer Motion of Littler Fingers Using Direct Rehabilitation based on Functional Electrical Stimulation	Sakumi Yamakawa
62	Shoulder Dysfunction in Post Mastectomy: Efficacy of Directed Exercises	Sandeep Kumar
63	A Top- Down Vs a Bottom - Up Approach on Lower Extremity Motor Recovery and Balance Following Acute Stroke: A Randomized Clinical	Vijaya Kumar
64	Correlation between Motor Nerve Conduction Velocity and Clinical Parameters of Carpal Tunnel Syndrome in Post Stroke	Smati Sambyal
65	The Effect of a Task-Specific Training Combined with Functional Electrical Stimulation on Balance and Gait Abilities in Patients with Stroke	Sung-jin Choi
66	The Effect of Biofeedback with Wii Balance Board on Dual Task Balance Performance in Chronic Stroke: A Pilot Study	Kitchana Kaewkaen
67	Influence of Microcurrent Electrical Stimulation on Median Nerve Conduction Velocity and Mechanical Pain Threshold: A Randomized Single Blind Controlled Trial	Olfat Ali
<b>Physiotherapy Education</b>		
68	Educational Countermeasures to Prevent Early Retire from the University in Freshmen Physical Therapy Students	Chika Kaneko
69	Survey Results from Student Volunteers Participating in the Murakami International Triathlon 2015	Rieko Sasaki

# ACKNOWLEDGEMENT

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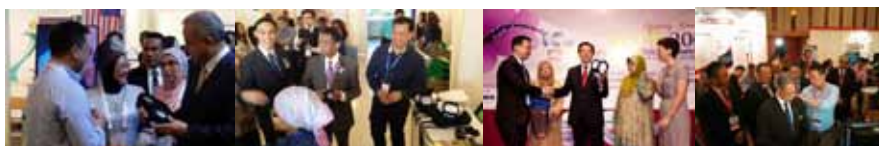
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LEGA has been widely used by the physiotherapists as Adjunct tool as part of the chest percussion and vibration treatment. With the use of this physiotherapists can extend their capacity and coverage of patients while retaining their energy for more complicated cases.

LEGA was designed and perfected through extensive testing and safety processes and is now being highly sought after by knowledgeable health care practitioners locally and regionally.

**Try LEGA now and be free from breathlessness caused by infections and excessive respiratory secretions.**



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**LEGA: Relief from Lung Congestion**

## LEGA Product Specifications

Product Name	<b>LEGA</b>
Usage time	<b>15 Min (Auto power cut off after 15 min)</b>
Maximum Force	<b>11.7N</b>
Minimum Force	<b>6.9N</b>
Motor	<b>DC 12 V</b>
Battery Spec.	<b>Ni-MH 1500 mAh (2000mAh) DC 12V</b>
Input power Source	<b>AC Power Adapter</b>
Input Voltage	<b>AC 110/220V</b>
Charging Time	<b>Approximate 3 hours</b>
Power Consumption	<b>0.015 Watt</b>
Layout size	<b>22.5cm (W) 16.5cm (L) 9.6cm (H)</b>
Weight	<b>Approx 1.0 Kg</b>
Frequency	<b>Min 20Hz Max 60Hz</b>

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