

Organised By:



**Malaysian Society of Neurosciences**  
Persatuan Neurosains Malaysia



Supported By:



# **ASIAN-OCEANIAN CONGRESS ON CLINICAL NEUROPHYSIOLOGY**



**30 January to 1 February 2021**

\*Postponed from 9 to 12 April 2020



Virtual Congress:

**[www.aoccn2020.com](http://www.aoccn2020.com)**



**[info@aoccn2020.com](mailto:info@aoccn2020.com)**



## **PROGRAMME BOOK**



## Welcome Message from Convenors of 7th AOCCN



Dear Colleagues,

On behalf of the Malaysian Society of Neurosciences (MSN), it is with pleasure that we invite you to the 7th Asian-Oceanian Congress on Clinical Neurophysiology (AOCCN). The Congress was originally planned to be held in Kuala Lumpur, Malaysia from 9 - 12 April 2020. However, following the COVID-19 outbreak, the Committee made the decision to postpone the Congress to 30 January - 1 February 2021 and as international travel restrictions will likely be in place for the foreseeable future, the Congress will now be delivered on a virtual platform.

Clinical neurophysiology plays an important role in medicine, particularly within the field of neurosciences. Accurate clinical diagnosis and procedural monitoring rely on well-executed neurophysiology and a greater understanding of disease pathophysiology and therapy can be achieved through research in clinical neurophysiology. It is thus not surprising that the field of clinical neurophysiology has seen rapid growth in recent years.

With support from the International Federation of Clinical Neurophysiology (IFCN) and its Asian-Oceanian chapter, the 7th AOCCN aims to provide delegates with a fundamental overview of the role of clinical neurophysiology in diseases of the central and peripheral nervous system as well as showcase the recent advancements and latest technology in this field. Our programme will include plenary lectures, workshops and scientific symposiums, featuring international and regional speakers. In line with the MSN and IFCN's commitment to education, we will be offering free registration to delegates thus allowing AOCCN to be accessible to a global audience.

In these unprecedented times, we will make every effort to ensure that the 7th AOCCN continues to provide delegates with a rewarding experience.

**Professor Dr. Nortina SHAHRIZAILA**

Congress Convenor

Chair of Clinical Neurophysiology Section, MSN

**Associate Professor Dr. Ai-Huey TAN**

Congress Convenor

President of MSN



## Welcome Message from the IFCN President



Dear Colleagues,

“Learning is like rowing upstream; not to advance is to drop back.” According to this Chinese proverb, the need for the exchange of knowledge remains strong, and the IFCN Executive Committee commends the Asian-Oceanian Chapter for their effort to host the Asian-Oceanian Congress during these challenging times. With great pleasure and also great expectations, I invite you on behalf of the International Federation of Clinical Neurophysiology to join the virtual Asian-Oceanian Congress on Clinical Neurophysiology from 30 January until 1 February 2021. This conference takes place right in between the IFCN meetings in Washington 2018 and 2022 now Geneva (due to Covid-19, the Congress was switched from Melbourne).

The wealth of scientific and research content at the AOCCN reflects the spectrum of established knowledge on an educational basis and contributions outlining future developments in world-wide clinical neurophysiology. The AOCCN sessions will showcase how Clinical Neurophysiology is an indispensable diagnostic tool and a further emerging therapeutic field. Also, for many neighboring areas such as neurology, psychiatry, pediatrics, neurosurgery, and specialties such as epileptology, movement disorders, peripheral neuropathies, myopathies, intraoperative monitoring, sleep disorders, neurorehabilitation, and others, this conference will provide a unique opportunity for updating knowledge and networking.

Beyond these clinical aspects, the IFCN also promotes the transfer of basic human neurophysiological knowledge incorporating translational elements coming from animal experiments, computational neuroscience, studies on consciousness, neuroimaging, and many more. Having seen the organizational efforts so far, I am convinced that Professor Ryusuke Kakigi representing the Asian-Oceanian Chapter, and Professor Nortina Shahrizaila and Associate Professor Ai-Huey Tan representing the local organization, will organize an extraordinary virtual event. Last but not least, I wish you continued good health, and I am hopeful that we will be meeting in-person again soon.

We are looking forward to connecting virtually during the AOCCN.

**Professor Walter PAULUS**

President

International Federation of Clinical Neurophysiology (IFCN)

## International Advisory Faculty IFCN Committee

<b>President</b>	Professor Walter PAULUS
<b>Past-President</b>	Professor Mark HALLETT
<b>Secretary</b>	Professor Renato VERDUGO
<b>Treasurer</b>	Professor Aatif HUSAIN
<b>Editor-in-Chief, CLINPH</b>	Professor Ulf ZIEMANN
<b>Editor-in-Chief, CNP</b>	Professor Margitta SEECK
<b>Asia-Oceania Chapter</b>	Professor Ryusuke KAKIGI
<b>North America Chapter</b>	Professor Donald SANDERS
<b>Europe, Middle-East, Africa Chapter</b>	Professor Jonathan COLE
<b>Latin America Chapter</b>	Professor Jorge GUTIERREZ

## About International Federation of Clinical Neurophysiology (IFCN)

The International Federation of Clinical Neurophysiology (IFCN) has member societies in 62 countries. The main goal of the IFCN is to promote education and the highest level of practice in Clinical Neurophysiology to improve health.



## Welcome Message from the President of Asian-Oceanian Chapter of IFCN



Dear AOC Members,

This is a new welcome message to all colleagues and friends, not only in Asia and Oceania but also throughout the world. Unfortunately, due to the severe effect of COVID-19, the biggest event of the Asia-Oceania Chapter (AOC), the Asian-Oceanian Congress of Clinical Neurophysiology (AOCCN), was postponed from April in 2020 to January in 2021. Now the AOCCN in 2021 will be held using virtual broadcast through the website.

We are grateful for the efforts to prepare for the AOCCN and recognize how challenging the final decision by the Malaysian Society of Neurosciences has been. I hope that many members of the AO Chapter will participate in this congress and continue to promote active mutual relationships among the societies of the AO Chapter.

With a great appreciation to all members of AOC, and Malaysian Society of Neurosciences.

### Professor Ryusuke KAKIGI

President of Asian-Oceanian Chapter  
of International Federation of Clinical Neurophysiology (IFCN)

## Asia-Oceania Chapter

- Professor Ryusuke KAKIGI, *President*
- Professor Ying-Zu HUANG, *Secretary & Treasurer*

## Member Societies

- Australian and New Zealand Association of Neurologists (ANZAN)
- Chinese Society of EMG & Clinical Neurophysiology
- Clinical Neurophysiology Section, Malaysian Society of Neurosciences
- Clinical Neurophysiology Society of Singapore
- Indian Academy of Neurology
- Indonesian Clinical Neurophysiology Society (At Indonesian Neurology Association)
- Japanese Society of Clinical Neurophysiology
- Korean Society for Clinical Neurophysiology
- Philippines Society of Clinical Neurophysiology
- Subcommittee on Clinical Neurophysiology of the Hong Kong Neurological Society
- Taiwan Society of Clinical Neurophysiology
- Thai Society of Clinical Neurophysiology





## Local Committee

### Congress Convenors

Nortina SHAHRIZAILA  
Chair, MSN Clinical Neurophysiology Section

Ai-Huey TAN  
President, Malaysian Society of Neuroscience (MSN)

### Scientific Committee for 7th AOCCN

Nortina SHAHRIZAILA, Co-Chair  
Khean-Jin GOH, Co-Chair  
Fu-Liong HIEW  
Chin-Yong KOK  
Kheng-Seang LIM  
Shen-Yang LIM  
Beng-Hooi ONG  
Cheng-Yin TAN

### Organising Committee of 7th AOCCN

Ai-Huey TAN, Co-Chair  
Rabani REMLI, Co-Chair  
Shanthi VISWANATHAN  
Wan-Chung LAW  
Ching-Soong KHOO  
Ahmad Shahir MAWARDI  
Jyh-Yung HOR  
Sanihah ABDUL HALIM  
Chen-Fei NG  
Alex Zhi-Yang KOH  
Envira Zhi-Yin LEE

### Finance Committee of 7th AOCCN

Anwar NORAZIT  
Siti Rafidah YUSOF  
Cheng-Yin TAN

## International Advisory Committee

### AO-IFCN

President  
Ryusuke KAKIGI (Japan)

Secretary/Treasurer  
Ying-Zu HUANG (Taiwan)

David BURKE (Australia)  
John DUNNE (Australia)  
Liyong CUI (China)  
Bun SHENG (Hong Kong)  
Manfaluthy HAKIM (Indonesia)  
Mathew ALEXANDER (India)  
Shozo TOBIMATSU (Japan)  
Byung-Jo KIM (Korea)  
Kyung-Seok PARK (Korea)  
Hans DAMIAN (Phillipines)  
Raymond ROSALES (Philippines)  
Yew-Long LO (Singapore)  
Einar WILDER-SMITH (Switzerland)  
Sung-Tsang HSIEH (Taiwan)  
Prasert BOONGIRD (Thailand)  
Charunghai DEJTREVAPORN (Thailand)

### IFCN Committee

Renato VERDUGO (Chile)  
Jorge GUTIERREZ (Colombia)  
Walter PAULUS (Germany)  
Ulf ZIEMANN (Germany)  
Margitta SEECK (Switzerland)  
Jonathan COLE (UK)  
Mark HALLETT (USA)  
Aatif HUSAIN (USA)  
Donald SANDERS (USA)



## Local Committee

### Malaysian Society Of Neurosciences



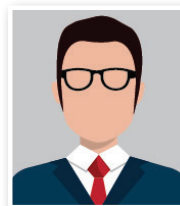
Sanihah ABDUL HALIM



Khean-Jin GOH



Fu-Liong HIEW



Jyh-Yung HOR



Ching-Soong KHOO



Alex Zhi-Yang KOH



Adrian Chin-Yong KOK



Wan-Chung LAW



Envira Zhi-Yin LEE



Kheng-Seang LIM



Shen-Yang LIM



Ahmad Shahir MAWARDI



Chen-Fei NG



Anwar NORAZIT



Beng-Hooi ONG



Rabani REMLI



Nortina SHAHRIZAILA



Cheng-Yin TAN



Ai-Huey TAN



Shanthi VISWANATHAN



Siti Rafidah YUSOF

## International Advisory Committee

### Asian-Oceanian Chapter of IFCN



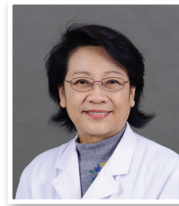
Mathew ALEXANDER



Prasert BOONGIRD



David BURKE



Liying CUI



Hans DAMIAN



Charunghai  
DEJTHEVAPORN



John DUNNE



Manfaluthy HAKIM



Sung-Tsang HSIEH



Ying-Zu HUANG



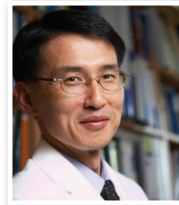
Ryusuke KAKIGI



Byung-Jo KIM



Yew-Long LO



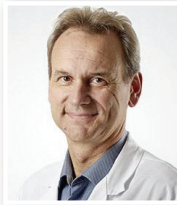
Kyung-Seok PARK



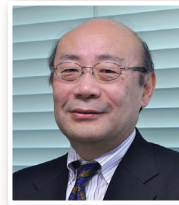
Raymond ROSALES



Bun SHENG



Einar WILDER-SMITH



Shozo TOBIMATSU

## International Advisory Committee

### International Federation Of Clinical Neurophysiology



Jonathan COLE



Jorge GUTIERREZ



Mark HALLETT



Aatif HUSAIN



Ryusuke KAKIGI



Walter PAULUS



Margitta SEECK



Donald SANDERS



Renato VERDUGO



Ulf ZIEMANN



## Other Faculty Including Speakers And Chairpersons



Sheila AGUSTINI



Sherrini BAZIR AHMAD



Raymond AZMAN ALI



John ARCHER



Winston BYBLOW



Sandip CHATTERJEE



Yotin CHINVARUN



Nahian CHOWDHURY



James COLEBATCH



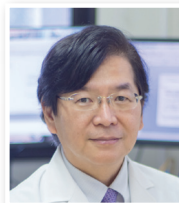
Sanjeev NANDEKAR



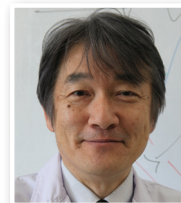
Stephan GOEDEE



Yoon-Ho HONG



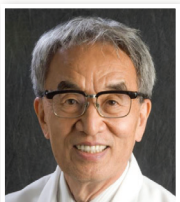
Akio IKEDA



Tomihiro IMAI



Ji-Soo KIM



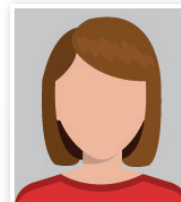
Jun KIMURA



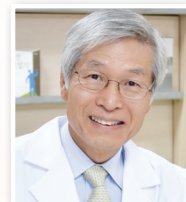
Kunihiro KODAMA



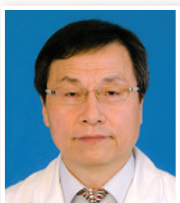
Satoshi KUWABARA



Lydia ABDUL LATIF



Byung-In LEE



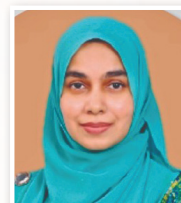
Sinclair LIU



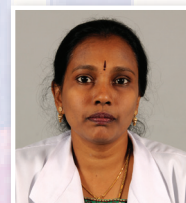
Sonoko MISAWA



Margaret MAK



Norlinah  
MOHAMED IBRAHIM



Atcharayam NALINI



Vairavan NARAYANAN



Karl NG



Kay Wei-Ping NG



Yu-ichi NOTO



Fitri OCTAVIANA

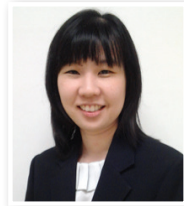
## Other Faculty Including Speakers And Chairpersons



OHNMAR



Pramod Kumar PAL



Pattamon PANYAKAEW



Jung-E PARK



Yusuf RAJABALLY



Sitaram RAMAN



Ritsuko HANAJIMA



Ahmad Yanuar SAFRI



Kazumoto SHIBUYA



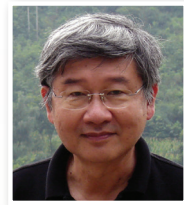
Masahiro SONOO



Cathy STINEAR



Erik STÅLBERG



Chong-Tin TAN



Hui-Jan TAN



Eman TAWFIK



Claudia TRENKWALDER



Manjari TRIPATHI



Yoshikazu UGAWA



Thirugnanam UMAPATHI



Nens VAN ALFEN



Joy VIJAYAN



Steve VUCIC



Chong WONG



Tsui-Fen YANG

## Program Overview

TIME	Saturday, January 30, 2021		
	Virtual Hall 1	Virtual Hall 2	Virtual Hall 3
0800 - 0830	Opening Session		
0830 - 1215	Electroencephalogram (EEG) Workshop	Transcranial Magnetic Stimulation (TMS) Workshop	Nerve Conduction Studies (NCS) / Electromyogram (EMG) Workshop
1215 - 1300	Plenary Lecture 1		
1300 - 1400	Lunch Symposium by GSK	Lunch Symposium by Moleac	
1400 - 1800	Electroencephalogram (EEG) Workshop	Non-Invasive Brain Stimulation Symposium	Advanced Neurophysiology Techniques Workshop
1800 - 1900	Plenary Lecture 2		
ON DEMAND	ORAL AND POSTER DAY 1		

TIME	Sunday, January 31, 2021		
	Virtual Hall 1	Virtual Hall 2	Virtual Hall 3
0800 - 0900	Plenary Lecture 3		NIOM Workshop
0900 - 1200	Movement Disorder Symposium	Motor Neuron Disease Symposium	
1200 - 1300	Plenary Lecture 4		
1300 - 1400	Lunch Symposium by Mitsubishi Tanabe	Lunch Symposium by Novartis	Lunch Symposium by Ipsen
1400 - 1600	Movement Disorder Symposium	Single Fibre EMG Workshop	NIOM Workshop
1600 - 1700		Neuromuscular Junction and Related Disorders Symposium	
1700 - 1800	Meet-The-Expert 1		
1800 - 1900	Plenary Lecture 5		
ON DEMAND	ORAL AND POSTER DAY 2		

TIME	Monday, February 1, 2021		
	Virtual Hall 1	Virtual Hall 2	Virtual Hall 3
0800 - 0900	Plenary Lecture 6		Neuromuscular Ultrasound Workshop
0900 - 1000	Epilepsy Symposium	Meet-The-Expert 2	
1000 - 1300		Peripheral Neuropathy Symposium	
1300 - 1400	Lunch Symposium by CSL Behring	Lunch Break	Lunch Symposium by Sanofi
1400 - 1500		Peripheral Neuropathy Symposium	Neuromuscular Ultrasound Workshop
1500 - 1600	Meet-The-Expert 3		
1600 - 1630			
1630 - 1700	Best Poster Award Presentation Best Oral Award Presentation		
	Closing Session		
ON DEMAND	ORAL AND POSTER DAY 3		



## Plenary Lectures

### Congress Day 1

Saturday, January 30, 2021

#### PLENARY 1 1215 - 1300

##### Face Perception in Infants Using A Near-Infrared Spectroscopy (NIRS) *Ryusuke KAKIGI (JAPAN)*

Chairperson: Khean-Jin GOH (MALAYSIA)



Prof. Ryusuke Kakigi, M.D., Ph.D, received a degree in Medicine from the Faculty of Medicine, Kyushu University, Japan, in 1978. He served as an assistant professor in the Department of Internal Medicine, Saga Medical School, Japan, between 1981 and 1993. In between, he worked as an invited researcher at the Institute of Neurology, London University, London, U.K., between 1983 and 1985. He served as a Professor and Chairperson at the Department of Integrative Physiology, Okazaki, Japan, from 1993. His research interests include neuroimaging studies, mainly electroencephalography and magnetoencephalography. He is now focusing on face perception in humans.

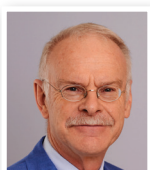
### Congress Day 1

Saturday, January 30, 2021

#### PLENARY 2 1800 - 1900

##### Non-Invasive Brain Stimulation - The Past, the Present and the Future *Walter PAULUS (GERMANY)*

Chairperson: Nortina SHAHRIZAILA (MALAYSIA)



Walter Paulus is Professor and Chair and Clinical Director of the Department of Clinical Neurophysiology, University Medical Centre Göttingen, Germany since 1992. He is also a member of the supervisory board of the University Medical Centre. He was involved in the development of new stimulation methods for induction of neuroplasticity such as tDCS, tACS and tRNS. His clinical focus encompasses Parkinson's disease, restless legs syndrome, epilepsy and pain. Two years ago he was awarded with the Hans Berger Preis of the German Society of Clinical Neurophysiology. Since 2018 he is president of the International Federation of Clinical Neurophysiology.

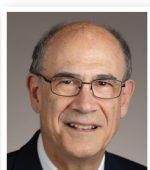
### Congress Day 2

Sunday, January 31, 2021

#### PLENARY 3 0800 - 0900

##### Clinical Neurophysiology of Movement Disorders - Example of Functional Movement Disorders *Mark HALLETT (USA)*

Chairperson: Shen-Yang LIM (MALAYSIA)



Dr. Hallett is the Chief of the Human Motor Control Section, National Institute of Neurological Disorders and Stroke, NIH, Bethesda. He is past President of the International Federation of Clinical Neurophysiology and the President of the newly founded Functional Neurological Disorder Society. Dr. Hallett is also remote past President of the Movement Disorder Society and past Editor-in-Chief of Clinical Neurophysiology. His work mainly deals with principles of motor control and the pathophysiology of movement disorders.

### Congress Day 2

Sunday, January 31, 2021

#### PLENARY 4 1200 - 1300

##### The Clinical Application of the ALS Electrodiagnostic Criteria *David BURKE (AUSTRALIA)*

Chairperson: Nortina SHAHRIZAILA (MALAYSIA)



David Burke is Professor of Neurology at Royal Prince Alfred Hospital and University of Sydney. Previously he held Chairs of Clinical Neurophysiology and of Neurology at the University of New South Wales and was Chairman of the Department of Neurology, Prince Henry and Prince of Wales Hospitals. From 2002 to 2008, he was Dean of Research for the Health Faculties at University of Sydney and from 2008-2013 Bushell Professor of Neurology. He is a member of the Executive Committee of IFCN, immediate past Editor of Clinical Neurophysiology, and currently inaugural Editor of Clinical Neurophysiology Practice.

### Congress Day 2

Sunday, January 31, 2021

#### PLENARY 5 1800 - 1900

##### Training and Education Practice in the Europe, Middle East and Africa, Latin America and Asia-Oceania Chapters, IFCN: An International Survey *Jonathan COLE (UK)*

Chairperson: Nortina SHAHRIZAILA (MALAYSIA)



Jonathan Cole is a consultant in Clinical Neurophysiology at Poole Hospital and Professor at Bournemouth University. He qualified from Oxford and The Middlesex Hospital, London and also undertook research in Oxford and Southampton. His main areas have been in sensory loss and motor control. He studied with Oliver Sacks as a medical student and has written five books on the subjective experience of chronic neurological impairment, related to deafferentation, spinal cord injury and facial difference. He is a past-President of the British Society for Clinical Neurophysiology, chaired the 2006 ICCN in Edinburgh and chair of the Europe-Middle East-Africa Chapter of the IFCN and sits on the IFCN ExCo.

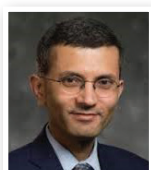
### Congress Day 3

Monday, February 1, 2021

#### PLENARY 6 0800 - 0900

##### Treatment Continuum of Non-Convulsive Status Epilepticus *Aatif HUSAIN (USA)*

Chairperson: Shanthi VISWANATHAN (MALAYSIA)



Aatif Husain, M.D. is Professor, Department of Neurology, and Chief, Division of Epilepsy, Sleep and Clinical Neurophysiology at Duke University Medical Center, Durham, North Carolina. He is also the National Director of the Veterans Affairs Epilepsy Centers of Excellence. His clinical interests include treatment of acute seizures and status epilepticus, neurophysiologic intraoperative monitoring and general clinical neurophysiology. Dr Husain is currently the Editor-in-Chief of the Journal of Clinical Neurophysiology and the Treasurer of the International Federation of Clinical Neurophysiology. He is a past President of the American Clinical Neurophysiology Society and the American Board of Registration of EEG and EP Technologists.

## Meet-the-Expert Session

### Congress Day 2

Sunday, January 31, 2021

MEET-THE-EXPERT 1  
1700 - 1800

VIRTUAL HALL 1



#### Sleep Disorders in Parkinson Disease

*Claudia TRENKWALDER (GERMANY)*

Chairperson: Ai-Huey TAN (MALAYSIA)

Dr Claudia Trenkwalder, started her clinical education in neurology and movement disorders at the Dept. Neurology of the University Hospital in Munich in 1988, moved to the Max- Planck Institute of Psychiatry from 1993-2000, before continuing at the University of Goettingen. Since 2003 she is Medical Director of the Paracelsus-Elena Klinik in Kassel, center for Parkinsonism and Movement Disorders. She is Full Professor of Neurology at Dept. of Neurosurgery, University Medical Center Goettingen, Germany.

She has published more than 390 peer reviewed articles and is currently President-Elect of IPMDS, and was President of WASM (World Association of Sleep Medicine) from 2011-13 and is an active member of many national and international scientific societies and committees.

### Congress Day 3

Monday, February 1, 2021

MEET-THE-EXPERT 2  
0900 - 1000

VIRTUAL HALL 2



#### My Practical Approach to the Electrodiagnosis of Peripheral Neuropathies

*Jun KIMURA (USA)*

Chairperson: Rabani REMLI (MALAYSIA)

Dr. Kimura received a Bachelor of Technology degree in 1957 and MD in 1961 both from Kyoto University in Japan. He moved to the United States as a Fulbright scholar in 1962 for residency training in neurology and fellowship in electrophysiology at the University of Iowa. He has served as Editor in Chief of Muscle & Nerve (1988-1997), President of American Association of Neuromuscular and Electrodiagnostic Medicine (AANEM 1985-1986), International Federation of Clinical Neurophysiology (IFCN 1990-1993) and the World Federation of Neurology (WFN 2002-2005). His book "Electrodiagnosis in Diseases of Nerve and Muscle" has appeared in four editions.

This session is supported by Nihon Kohden.

### Congress Day 3

Monday, February 1, 2021

MEET-THE-EXPERT 3  
1500 - 1600

VIRTUAL HALL 1



#### First-Onset Seizures - An Update on the Concept and Review of Best Practice

*Margitta SEECK (SWITZERLAND)*

Chairperson: Sherrini BAZIR AHMAD (MALAYSIA)

Dr Margitta Seeck is a professor of Neurology at the University of Geneva, Switzerland. She is director of the presurgical epilepsy program Geneva-Lausanne, which became a reference center for difficult-to-treat epilepsies in adults and children. She also heads the in- and outpatient unit of the EEG and Epilepsy Unit of the University Hospital of Geneva. She is past president of the Swiss Neurophysiological Society but she is still actively involved in teaching of EEG and epileptology.

She received her medical and doctoral degrees at the Ludwigs-Maximilians-University of Munich, where she also received her neurology training. After her medical studies, she did a postdoctoral fellowship at the Free University of Berlin and moved then to the United States where she was trained in EEG and epileptology at the Beth Israel Hospital, Harvard University. Her main interests are epilepsy surgery, EEG and EEG-based imaging in epilepsy, neurophysiology of intracranial EEG recordings. She is author of more than 170 papers on epilepsy in national and international journals, serves on several editorial boards of epilepsy journals, and is expert for the Swiss national science foundation and research agencies of other European and non-European countries. Furthermore, she is also actively involved in the Swiss Academy of Medical Sciences and in the International Federation of Clinical Neurophysiology.

**Congress Day 1**

Saturday, January 30, 2021

0830 - 1145

VIRTUAL HALL 1

**Electroencephalogram (EEG)**

**Programme Directors:**  
Kheng-Seang LIM (MALAYSIA)  
John DUNNE (AUSTRALIA)

**Chairpersons:**  
Kheng-Seang LIM (MALAYSIA)  
John DUNNE (AUSTRALIA)

Time	Topic	Speaker
0830	The Origin of EEG, Recording Techniques and Quality	John DUNNE (AUSTRALIA)
0900	Normal EEG: Awake (Children and Adults), Including Activation Procedures	Chong-Tin TAN (MALAYSIA)
0920	Normal EEG: Drowsiness and Sleep, and Normal Variants	Manjari TRIPATHI (INDIA)
0950	Generalised Epileptiform Patterns - Interictal and Ictal: Defining the Clinical Syndrome	Raymond AZMAN ALI (MALAYSIA)
1020	Focal Epileptiform Patterns - Interictal: Utility and Limitations	Yotin CHINVARUN (THAILAND)
1050	Focal-Onset Seizures: Surface Ictal EEG Recordings and Localisation	Byung-In LEE (SOUTH KOREA)
1115	Q&A	

**Congress Day 1**

Saturday, January 30, 2021

1400 - 1730

VIRTUAL HALL 1

**Electroencephalogram (EEG)**

**Programme Directors:**  
Kheng-Seang LIM (MALAYSIA)  
John DUNNE (AUSTRALIA)

**Chairperson:**  
Ching-Soong KHOO (MALAYSIA)

Time	Topic	Speaker
1400	Localisation of Seizures - Seizure Semiology	Chong WONG (AUSTRALIA)
1430	Invasive Monitoring: Understanding the Chronological Occurrence of Seizure Semiology	Sinclair LIU (CHINA)
1500	Advances in EEG Analysis - Wide-Band EEG, Dense-Array EEG and Quantitative EEG	Akio IKEDA (JAPAN)
1530	EEG in the ICU: Indications and Recording Techniques	Aatif HUSAIN (USA)
1600	EEG in ICU: Status Epilepticus and the Ictal-Interictal Continuum	John DUNNE (AUSTRALIA)
1630	EEG Coma Patterns and Prognosis	Kheng-Seang LIM (MALAYSIA)
1700	Q&A	

**Congress Day 1**

Saturday, January 30, 2021

0830 - 1210

VIRTUAL HALL 2

**Transcranial Magnetic Stimulation (TMS)**

**Programme Director:**  
Ying-Zu HUANG (TAIWAN)

**Chairpersons:**  
Beng-Hooi ONG (MALAYSIA)  
Ying-Zu HUANG (TAIWAN)

Time	Topic	Speaker
0830	Introduction to TMS	Walter PAULUS (GERMANY)
0905	Parameters of TMS	Ulf ZIEMANN (GERMANY)
0935	TMS: Clinical Application of MEPs	Mark HALLETT (USA)
0955	Introduction to rTMS	Ying-Zu HUANG (TAIWAN)
1030	Demonstration of TMS	Yoshikazu UGAWA (JAPAN)
1140	Q&A	



**Congress Day 1**  
Saturday, January 30, 2021

**Nerve Conduction  
Studies (NCS) /  
Electromyogram (EMG)**

Supported by:



Chairpersons:  
Chen-Fei NG (MALAYSIA)  
Charunghai DEJTHEVAPORN  
(THAILAND)

**0830 - 1330**

**VIRTUAL HALL 3**

Time	Topic	Speaker
0830	Basic Principles and Pitfalls of NCS	Jun KIMURA (USA)
0900	Electrophysiological Assessment of Brachial Plexopathies	Jorge GUTIERREZ (COLOMBIA)
0920	The Value of H-Reflex and Other Late Responses in Disease	David BURKE (AUSTRALIA)
0950	Electrodiagnostic Approach to Motor Neuron Disease: Split Hand in ALS	Satoshi KUWABARA (JAPAN)
1020	Idiopathic Inflammatory Myopathies	Renato VERDUGO (CHILE)
1040	Overview of Routine EMG (with Demonstration)	Masahiro SONOO (JAPAN)
1125	Repetitive Nerve Stimulation Testing	Donald SANDERS (USA)
1205	Cranial Nerve Assessment (with Demonstration)	Jun KIMURA (USA)
1300	Q&A	

**Congress Day 1**  
Saturday, January 30, 2021

**Advanced  
Neurophysiology  
Techniques**

Chairperson:  
Fu-Liong HIEW (MALAYSIA)

**1400 - 1645**

**VIRTUAL HALL 3**

Time	Topic	Speaker
1400	My Approach to Motor Unit Number Estimation (with Demonstration)	Sanjeev NANDEDKAR (USA)
1445	My Approach to Quantitative EMG (with Demonstration)	Sanjeev NANDEDKAR (USA)
1525	Overview of Axonal Excitability Studies	Kazumoto SHIBUYA (JAPAN)
1550	Overview of Muscle Membrane Excitability	Karl NG (AUSTRALIA)
1615	Q&A	

**Congress Day 2**  
Sunday, January 31, 2021

### Single-Fibre EMG

**Chairperson:**  
Chin-Yong KOK (MALAYSIA)

1400 - 1620

VIRTUAL HALL 2

Time	Topic	Speaker
1400	Voluntary SFEMG: Principles and Parameters	Donald SANDERS (USA)
1440	Stimulation Single-Fibre EMG: Methods and Pitfalls (with Demonstration)	Masahiro SONOO (JAPAN)
1525	Measuring Jitter with Concentric Needle Electrodes	Donald SANDERS (USA)
1550	Demonstration of SFEMG Technique	Erik STÅLBERG (SWEDEN)

**Congress Day 2**  
Sunday, January 31, 2021

### Intraoperative Neurophysiological Monitoring (NIOM)

**Programme Directors:**  
Kyung-Seok PARK (SOUTH KOREA)  
Yew-Long LO (SINGAPORE)

**Chairperson:**  
Khean-Jin GOH (MALAYSIA)

0800 - 1215

VIRTUAL HALL 3

Time	Topic	Speaker
0800	SEP Monitoring	Sandip CHATTERJEE (INDIA)
0830	Intraoperative Monitoring of Motor Evoked Potentials: Physiology and Applications	Yew-Long LO (SINGAPORE)
0910	Brainstem Auditory Evoked Potential Monitoring	Aatif HUSAIN (USA)
0935	EMG Monitoring: Free-Run and Triggered	Tsui-Fen YANG (TAIWAN)
0955	Electroencephalographic Monitoring	Aatif HUSAIN (USA)
1020	Intraoperative Monitoring and Mapping of Visual Pathways	Kunihiko KODAMA (JAPAN)
1045	Mapping Methodologies	Kyung-Seok PARK (SOUTH KOREA)
1100	Anaesthesia and Intraoperative Neurophysiological Monitoring	Sitaram RAMAN (SINGAPORE)
1125	Artifacts in Neurophysiologic Intraoperative Monitoring	Ahmad Yanuar SAFRI (INDONESIA)
1145	IONM in Asia-Oceania: Current Status and Vision	Kyung-Seok PARK (SOUTH KOREA)

**Congress Day 3**  
Monday, February 1, 2021

**Neuromuscular  
Ultrasound**

Supported by:



**Chairpersons:**  
Cheng-Yin TAN (MALAYSIA)

**0800 - 1125**

**VIRTUAL HALL 3**

Time	Topic	Speaker
0800	Introduction to Neuromuscular Ultrasound	Einar WILDER-SMITH (SWITZERLAND)
0825	Guidelines for Neuromuscular Ultrasound Training	Eman TAWFIK (EGYPT)
0850	Neuromuscular Ultrasound in Upper Extremity	Byung-Jo KIM (SOUTH KOREA)
0915	NMUS of the Brachial Plexus	Stephan GOEDEE (NETHERLANDS)
0930	Neuromuscular Ultrasound of the Lower Extremities	Joy VIJAYAN (SINGAPORE)
0955	Approach to US of Tongue and Cranial Nerves	Yu-ichi NOTO (JAPAN)
1005	Overview of Quantitative Muscle Ultrasound	Nens VAN ALFEN (NETHERLANDS)
1035	Neuromuscular Ultrasound Demonstration	Nens VAN ALFEN (NETHERLANDS)

**Congress Day 3**  
Monday, February 1, 2021

**Neuromuscular  
Ultrasound**

Supported by:



**Chairpersons:**  
Cheng-Yin TAN (MALAYSIA)  
Kay NG (SINGAPORE)

**1400 - 1630**

**VIRTUAL HALL 3**

Time	Topic	Speaker
1400	Imaging as a Natural Complementary Test in Neuromuscular Medicine	Einar WILDER-SMITH (SWITZERLAND)
1435	Neuromuscular Ultrasound in Focal Neuropathies	Joy VIJAYAN (SINGAPORE)
1510	NMUS in Inherited and Inflammatory Neuropathies (Encore)	Stephan GOEDEE (NETHERLANDS)
1535	The Role of Quantitative Muscle Ultrasound in Disease	Nens VAN ALFEN (NETHERLANDS)
1600	Q&A - Neuromuscular Ultrasound Workshop	



**Congress Day 1**  
Saturday, January 30, 2021

1400 - 1745

VIRTUAL HALL 2

**Non-Invasive Brain  
Stimulation**

**Programme Director:**  
Ying-Zu HUANG (TAIWAN)

**Chairperson:**  
Lydia ABDUL LATIF (MALAYSIA)

Time	Topic	Speaker
1400	The Effects of Non-Invasive Brain Stimulation and Neuroplasticity	Ying-Zu HUANG (TAIWAN)
1425	The Diagnostic Utility of Threshold Tracking TMS in ALS	Steve VUCIC (AUSTRALIA)
1450	Probing the Pathophysiology of Movement Disorders with Transcranial Magnetic Stimulation	Jung-E PARK (SOUTH KOREA)
1520	Can TMS Be Used to Improve Prediction Accuracy After Stroke?	Winston BYBLOW (NEW ZEALAND)
1540	EEG-TMS: Physiology and First Evidence of Clinical Utility	Ulf ZIEMANN (GERMANY)
1610	Therapeutic Application of Transcranial Magnetic Stimulation in Stroke	Cathy STINEAR (NEW ZEALAND)
1625	Rewiring Pain Through Non-Invasive Brain Stimulation	Nahian CHOWDHURY (AUSTRALIA)
1650	Application of TMS in Movement Disorders	Yoshikazu UGAWA (JAPAN)
1715	Q&A	

**Congress Day 2**  
 Sunday, January 31, 2021

**Movement Disorder**

**Chairpersons:**  
 Norlinah MOHAMED IBRAHIM  
 (MALAYSIA)  
 Mathew ALEXANDER (INDIA)

**0900 - 1130**
**VIRTUAL HALL 1**

Time	Topic	Speaker
0900	Evaluation of Tremor	Pattamon PANYAKAEW (THAILAND)
0935	Evaluation of Myoclonus	Ritsuko HANAJIMA (JAPAN)
1000	Evaluation of Dystonia	Pramod Kumar PAL (INDIA)
1030	Sensori-motor Organisation in Focal Hand Dystonia	Mathew ALEXANDER (INDIA)
1100	Q&A	

**Congress Day 2**  
 Sunday, January 31, 2021

**Movement Disorder**

**Chairpersons:**  
 Ahmad Shahir MAWARDI  
 (MALAYSIA)  
 Bun SHENG (HONG KONG)

**1400 - 1630**
**VIRTUAL HALL 1**

Time	Topic	Speaker
1400	Balance and Gait Assessment	Margaret MAK (HONG KONG)
1425	Eye Movement Disorders due to Brainstem Dysfunction	Ji-Soo KIM (SOUTH KOREA)
1455	Evaluation of the Vestibular System: cVEMP and oVEMP	James COLEBATCH (AUSTRALIA)
1520	Focal Botulinum Toxin Injections in Movement Disorders	Raymond ROSALES (PHILIPPINES)
1600	Q&A	

**Congress Day 2**  
 Sunday, January 31, 2021

**Motor Neuron Disease**

**Chairpersons:**  
 Rabani REMLI (MALAYSIA)  
 Sheila AGUSTINI (INDONESIA)

**0900 - 1115**
**VIRTUAL HALL 2**

Time	Topic	Speaker
0900	Monomelic Amyotrophy - Experience from a Large Cohort	Atcharayam NALINI (INDIA)
0930	Neurophysiological Biomarkers in ALS	Steve VUCIC (AUSTRALIA)
1000	Role of Ultrasound in ALS	Yu-ichi NOTO (JAPAN)
1025	Electrophysiological Characteristics of NMJ in Amyotrophic Lateral Sclerosis	Liyang CUI (CHINA)
1045	Q&A	

**Congress Day 2**  
Sunday, January 31, 2021

**Neuromuscular Junction  
and Related Disorders**

**Chairperson:**  
Chin-Yong KOK (MALAYSIA)

1600 - 1815

VIRTUAL HALL 2

Time	Topic	Speaker
1620	Myasthenia Gravis and Related Disorders	Donald SANDERS (USA)
1655	Seronegative Myasthenia Gravis: Auto-antibody Profiles and Clinical Features	Yoon-Ho HONG (SOUTH KOREA)
1720	Therapeutic Considerations in Myasthenia Gravis	Tomihiko IMAI (JAPAN)
1745	Q&A - Single-fibre EMG and Neuromuscular Junction Disorders	

**Congress Day 2**  
Sunday, January 31, 2021

**Intraoperative  
Neurophysiological  
Monitoring (NIOM)**

**Programme Director:**  
Kyung-Seok PARK (SOUTH KOREA)

**Chairpersons:**  
Vairavan NARAYANAN (MALAYSIA)  
Kyung-Seok PARK (SOUTH KOREA)

1400 - 1720

VIRTUAL HALL 3

Time	Topic	Speaker
1400	Intraoperative Neuromonitoring for Cerebrovascular Surgery	Kunihiko KODAMA (JAPAN)
1430	Intraoperative Monitoring and Mapping during Brain Tumor Surgery	Tsui-Fen YANG (TAIWAN)
1455	Monitoring for Peripheral Nerve Surgery	Jorge GUTIERREZ (COLOMBIA)
1520	IONM of Brainstem - Focus on Corticobulbar MEP and Brainstem Reflexes	Kyung-Seok PARK (SOUTH KOREA)
1545	Intraoperative Neurophysiological Monitoring in Cervical Spine Surgery	Yew-Long LO (SINGAPORE)
1620	Neurophysiologic Intraoperative Monitoring for Pain Surgeries	Aatif HUSAIN (USA)
	IONM in Spine Deformity Surgery (On-Demand Only)	Sandip CHATTERJEE (INDIA)
1650	Q&A	

**Congress Day 3**  
Monday, February 1, 2021

**Epilepsy: Advanced EEG Analysis In Clinical Practice**

**Programme Directors:**  
Kheng-Seang LIM (MALAYSIA)  
John DUNNE (AUSTRALIA)

**Chairpersons:**  
Hui-Jan TAN (MALAYSIA)  
Wan-Chung LAW (MALAYSIA)

0900 - 1250

VIRTUAL HALL 1

Time	Topic	Speaker
0900	Infraslow, DC Shift and High Frequency Oscillations: Established Tool or Research Topic?	Akio IKEDA (JAPAN)
0935	Source Dipole Modelling: Established Tool or Research Topic?	Yotin CHINVARUN (THAILAND)
1015	MEG in Epilepsy: Established Tool or Research Topic?	Shozo TOBIMATSU (JAPAN)
1030	EEG and fMRI recordings: Established Tool or Research Topic?	John ARCHER (AUSTRALIA)
1100	Temporal Plus Epilepsies	Manjari TRIPATHI (INDIA)
1130	Parietal Lobe Epilepsy	Chong WONG (AUSTRALIA)
1150	"Multiple Lesions": Seizures from Cytoarchitectonically Different Subdivisions of the Cerebral Cortex	Sinclair LIU (CHINA)
1220	Q&A	

**Congress Day 3**  
Monday, February 1, 2021

**Peripheral Neuropathy**

Endorsed by:



**Chairperson:**  
Sanihah ABDUL HALIM (MALAYSIA)

1000 - 1230

VIRTUAL HALL 2

Time	Topic	Speaker
1000	Inflammatory Neuropathies and Diabetes	Yusuf RAJABALLY (UK)
1045	Electrophysiological Features in GBS and CIDP	Satoshi KUWABARA (JAPAN)
1110	Evaluation of Small Fibre Neuropathy and Therapeutic Progress	Sung-Tsang HSIEH (TAIWAN)
1135	Peripheral Neurology in Resource Limited Settings	Thirugnanam UMAPATHI (SINGAPORE)

**Congress Day 3**  
Monday, February 1, 2021

**Peripheral Neuropathy**

Endorsed by:



**Chairpersons:**  
Jyh-Yung HOR (MALAYSIA)  
Manfaluthy HAKIM (INDONESIA)

1400 - 1550

VIRTUAL HALL 2

Time	Topic	Speaker
1400	Diagnosis and Treatment of Paraproteinemic Neuropathies	Sonoko MISAWA (JAPAN)
1425	HIV Associated Neuropathy in the Non-Stavudine Era	Fitri OCTAVIANA (INDONESIA)
1450	Neuropathy due to Nutritional Deficiencies	Fu-Liong HIEW (MALAYSIA)
1520	Q&A	



## Lunch Symposium

### Congress Day 1

Saturday, January 30, 2021 | 1300 - 1400



#### Lunch Symposium by GSK

**Difficult to Treat Epilepsy: An Expert Panel Discussion**

Speakers: Hui-Jan TAN & Ching-Soong KHOO

VIRTUAL HALL 1



#### Lunch Symposium by Moleac

**NeuroAiD & Rehabilitation for Long-Term Outcomes in Post Stroke Recovery**

Speaker: Christopher CHEW, Fan-Kee HOO & Ramesh KUMAR

VIRTUAL HALL 2

### Congress Day 2

Sunday, January 31, 2021 | 1300 - 1400



#### Lunch Symposium by Mitsubishi Tanabe

**Pathogenesis and Drug Development for Sporadic ALS**

Speaker: Gen SOBUE

VIRTUAL HALL 1



#### Lunch Symposium by Novartis

**Reimagine Migraine Prevention - Pasurta 140mg with Efficacy and Flexibility**

Speaker: Wan Aliaa WAN SULAIMAN

VIRTUAL HALL 2



#### Lunch Symposium by Ipsen

**Long Lasting Symptom Relief Between BoNT-A Injections: Addressing the Unmet Needs of Patients Living with Spasticity**

Speaker: Jorge JACINTO

VIRTUAL HALL 3

### Congress Day 3

Monday, February 1, 2021 | 1300 - 1400



#### Lunch Symposium by CSL Behring

**Can We Predict Response to Treatment of CIDP?**

Speakers: Richard LEWIS, Peter VAN DEN BERGH & Emilien DELMONT

VIRTUAL HALL 1



#### Lunch Symposium by Mitsubishi Tanabe

**Case Sharing: ALS and Edaravone**

Speaker: Raymond ROSALES

VIRTUAL HALL 2



#### Lunch Symposium by Sanofi

**Pompe Disease: Review of Current Diagnostic Approaches & Tools**

Speaker: Priya KISHNANI

VIRTUAL HALL 3

# Virtual Product Theatre

Available in the **On-Demand Section** throughout the congress. Watch it anytime at your convenience!



## **Epilepsy: Are Women More Difficult To Manage?**

*Raymond AZMAN ALI*

## **Managing Women with Epilepsy: What Do You Need to Know?**

*Raymond AZMAN ALI & Harris Njoo SUHARJO*



## **Progression of RRMS (Relapsing Remitting Multiple Sclerosis) to SPMS (Secondary Progressive Multiple Sclerosis)**

*Irene LOOI*

## **A Malaysian Consensus Statment on Migraine Management - What's New?**

*Julia Shahnaz MERICAN*



## **Strategies for Diagnosis and Management in ALS**

*Charunghai DEJTHEVAPORN*

## **Amyotrophic Lateral Sclerosis: What is Next After Diagnosis**

*Sheila AGUSTINI*



## **Optimizing the Management of Alzheimer's and Parkinson's Disease Dementia**



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## Oral Presentations

Available in the On-Demand Session of 7th AOCCN Congress

Autonomic Dysfunction	
AD001	Relationship Between Electrochemical Skin Conductance and Cardiovascular Autonomic Function in Parkinson's Disease <i>Chih-Cheng HUANG</i>
AD002	Correlation of Glycaemic Status With HRV in Patients Of Diabetic Peripheral Neuropathy. A Cross Sectional Study <i>Ahmad FARAZ</i>
AD003	Postural Orthostatic Tachycardia Syndrome (Pots): A Case Series From India <i>Parthasarathy BALACHANDRAN</i>
AD005	Diabetic Cardiovascular Autonomic Neuropathy <i>Khabab MOHAMED AHMED</i>
AD006	Heart Rate Variability as a Tool For Predicting Epileptic Seizures <i>Akash SHRIDHARANI</i>

Basic Neuroscience	
BN001	Calotropis Procera (Root) Ameliorates Functions Regain and Attenuates Oxidative Stress in a Mouse Model of Sciatic Nerve Compression Injury <i>Ghulam HUSSAIN</i>
BN002	Intravenous Administration of Poly(lactide-co-glycolide) Nanoparticle Encapsulating Brain-derived Neurotrophic Factor Promotes Neuroprotection <i>Siti Norsyafika KAMARUDIN</i>

Electroencephalogram (EEG)	
EG001	Stratified Outcome Analysis of the Quantitative Burst Suppression Ratio in Refractory Status Epilepticus <i>Marcus NG</i>
EG002	8-year Experience of Stereoelectroencephalography at Westmead Hospital and The Children's Hospital at Westmead <i>John PHAMNGUYEN</i>
EG003	Can Spike Voltage Topography Predict the Ictal Patterns in Temporal Lobe Epilepsy? <i>Ashalatha RADHAKRISHNAN</i>
EG004	Comparing the Accuracy of Sleep Staging Data From A New Wearable Sleep Electroencephalography Device Versus the Fitbit Charge 3 with Polysomnography as Reference <i>Yoko SUZUKI</i>

Epilepsy	
EP002	Epileptic Adolescents and Ramadan Fasting: A Prospective Cohort Study <i>Amira DARWISH</i>
EP003	Epilepsy and Alzheimer Disease <i>Khabab Mohamed AHMED</i>
EP004	Targeting Epilepsy with Novel Therapeutic Entities to Investigate the Biochemical and Molecular Mechanisms <i>Jitendra Kumar SINHA</i>

Evoked Potential Studies	
EV001	The Effect of Watching Movies On Baep <i>Muhammad Iqbal BASRI</i>
EV002	Auditory Event-Related Potential Changes Over 6 Months Following Acute Organophosphate Insecticide Poisoning: A Follow-Up Study <i>Tharaka DASSANAYAKE</i>
EV003	Role Of Multifocal Electroretinogram In Assessment Of Early Retinal Dysfunction In Hypertensive Patients <i>Ayatallah Farouk HUSSEIN</i>

Intraoperative Monitoring (IOM)	
IM001	Intraoperative Hypoglossal Nerve Mapping During Carotid Endarterectomy <i>Atsuhiko KOJIMA</i>

Motor Neuron Disease	
MN001	Association of Sympathetic Skin Response in Amyotrophic Lateral Sclerosis <i>Sk Mahbub ALAM</i>
MN002	Assessment of Upper Motor Neuron Function Utilizing Threshold Tracking Transcranial Magnetic Stimulation in Amyotrophic Lateral Sclerosis <i>Kazumoto SHIBUYA</i>
MN003	Decremental Response to Repetitive Nerve Stimulation Occurs in Early Stage of Amyotrophic Lateral Sclerosis <i>Jing-Yue MA</i>
MN004	The Selective and Inverse U-shape Curve Alteration of Retinal Nerve Fiber Layer in ALS: A Potential Mirror of the Disease <i>Yi-Xuan ZHANG</i>



## Oral Presentations

Available in the On-Demand Session of 7th AOCCN Congress

Movement Disorders	
<b>MD001</b>	The Role of Neurophysiological Testing for Differential Diagnosis of Functional Tremor in Busy Clinic <i>Sasivimol VIRAMETEEKUL</i>
<b>MD003</b>	The Complexity of Involuntary Hand Motion Distinguishes Between Essential and Parkinsonian Tremor <i>Dong-Ning SU</i>
<b>MD004</b>	Therapeutic Effect of Low Dose Botulinum Toxin Type A Injection in Hemifacial Spasm Patients: A Preliminary Study <i>Jennifer SIMCA</i>

Nerve Conduction Studies (NCS) and Electromyography (EMG)	
<b>NE001</b>	Correlation of Nerve Conduction Velocity with Body Fat Mass and Oxidative Stress Markers in Type 2 Diabetic Neuropathy Patients <i>Anwar Hasan SIDDIQUI</i>
<b>NE004</b>	Distinguishing GBS with Treatment-Related Fluctuations from Acute-onset CIDP: A Neurophysiological and Ultrasonographic Perspective <i>Tsun-Haw TOH</i>
<b>NE005</b>	Electroneuromyography as a Predictor of Peripheral Neuropathy Symptoms After Two Years Follow-up In Farmers Exposed to Pesticide: A Cohort Study <i>Andre Stefanus PANGGABEAN</i>

Neuromuscular Junction Disorders (NMJ)	
<b>NJ001</b>	Electrodiagnostics Profile in Myasthenia Gravis <i>Pricilla Yani GUNAWAN</i>
<b>NJ002</b>	Bulbar Onset Myasthenia Gravis: Diagnostic Challenges and Missed Opportunities <i>Ayatallah Farouk HUSSEIN</i>

Neuromuscular Ultrasound (NMUS)	
<b>NU001</b>	Feasibility of Shear Wave Elastography and High Definition Color in Evaluation of Carpal Tunnel Syndrome <i>Joo-Hye SUNG</i>
<b>NU002</b>	Spectrum of Nerve and Muscle Anatomic Variants Detected During Neuromuscular Ultrasound Examination: A Retrospective Study <i>Eman TAWFIK</i>

Peripheral Nerve Disorders	
<b>PN001</b>	Comparison of Neutrophil to Lymphocyte Ratio and Platelet to Lymphocyte Ratio Before and After Plasma Exchange Treatment in Guillain-Barre ´ Syndrome Patients <i>Desby JUANANDA</i>
<b>PN002</b>	Association of Serum Vitamin D Level with Perpheral Neuropathy in Type 2 Diabetic Patients Admitted in A Tertiary Care Hospital <i>Dr Noor- E-JABEEN</i>
<b>PN003</b>	Corneal Sub-Basal Whorl-Like Nerve Plexus: A Landmark for Early and Follow-up Evaluation in Transthyretin Familial Amyloid Polyneuropathy <i>Yixuan ZHANG</i>

Transcranial Stimulation (TCS)	
<b>TS002</b>	Combining SICF and ICF with QPS Boosts Excitability Increase in the Primary Motor Cortex <i>Dr. Yuichiro SHIROTA</i>
<b>TS003</b>	The Combined Effect of Repetitive Transcranial Magnetic Stimulation (RTMS) and Treadmill Training on Walking Endurance and Balance in People with Parkinson's Disease (PD) – A Randomised Placebo-Controlled Trial <i>Chloe Lau-Ha CHUNG</i>
<b>TS004</b>	Site-Specific Decrease in Cortical Reactivity During Sensory Trick in Cervical Dystonia Patients <i>Nivethida THIRUGNANASAMBANDAM</i>
<b>TS005</b>	Significant Effects on Functional Integration within the Parietal Memory Network after High-frequency RTMS Over The L-DLPFC in Patients with Alzheimer's Disease <i>Xin LIU</i>

## e-Poster Presentations

View these e-Posters in the e-Poster Gallery of 7th AOCCN Congress

Autonomic Dysfunction		Epilepsy	
AD001	Gastrophoresis as Autonomic Manifestation of Myasthenia Gravis: A Rare Case Report <i>Putri AULIYA</i>	EP001	Status Epilepticus and Intractable Seizure in Herpes Simplex Encephalitis Patient: Case Series <i>Atitya Fithri KHAIRANI</i>
AD003	Autonomic Dysfunction in CASPR2 Antibody Associated Neurological Disease <i>Sumanth S</i>	EP002	Status Epilepticus During Pregnancy : A Case Report. <i>Atitya Fithri KHAIRANI</i>
Basic Neuroscience		EP004	Seizure as Early Sign Pilocytic Astrocytoma: Case Report <i>Atitya Fithri KHAIRANI</i>
BN002	Morphine-, Mitragynine- and THC-induced Alterations of Cannabinoid CB1 Receptor Immunoreactivity in Brain Hippocampal CA1 Region of Swiss Albino Mice <i>Nurul Iman WAN ISMAIL</i>	EP005	Recurrent Focal Seizure in Subdural Hemorrhage Patient After Anticoagulant Oral Therapy: Case Report <i>Atitya Fithri KHAIRANI</i>
BN004	Neuroprotective Effect of Edible Bird's Nest on Chronic Cerebral Hypoperfusion Induced Neurodegeneration in Rats <i>Rehab ISMAEL</i>	EP006	Research on Epilepsy Treatment in Malaysia: A Scoping Review <i>Firzanah Adabiah Binti ZULKERNAIN</i>
BN005	Maternal Vitamin B12 Deficiency is Associated with Increased Oxidative Stress and Dna Damage in Brain Regions of C57bl/6 Mouse Offspring <i>Shampa GHOSH</i>	EP008	Dyke-Davidoff-Masson Syndrome: A Case Report in A Filipino Male Adolescent <i>Lalaine OIDA</i>
Electroencephalogram (EEG)		EP010	Extinguishing Fires Using Tocilizumab: Malaysia's First <i>Yong-Chuan CHEE</i>
EG001	The Role of EEG In Herpes Simplex Encephalitis (HSE): An Experience of Two Distinct EEG Findings from Dr Sardjito General Hospital Yogyakarta Indonesia <i>Agus Nur Salim WINARNO</i>	EP011	Safety of Compulsory Generic Switching From Brand-name to Generic Levetiracetam in Outpatient Epilepsy Clinic of Tertiary Hospital, Kedah <i>Beng-Hoong CHEW</i>
EG002	An Exploratory Study of Brain Waves And Corresponding Brain Regions of Fatigue Post-Call Doctors Using Quantitative Electroencephalogram <i>Gregory XAVIER</i>	EP012	Segregation of GABRA1 and ERBB4 Mutations in A Family with Genetic Generalized Epilepsy <i>Chung-Kin CHAN</i>
EG003	Electroencephalography (EEG) Abnormalities Pattern In Brain Tumor And Stroke <i>Indra Sari Kusuma HARAHAHAP</i>	EP013	Superior Migration Propensity of Dental Pulp Stem Cells in Vitro and in Vivo Models of Excitotoxic Neurodegeneration <i>Sivapriya S</i>
EG004	The Need for Electroencephalography Smartphone-Based Telemedicine to Assist Neurologists Working in Secondary Hospitals in Indonesia <i>Kennytha YOESDYANTO</i>	EP015	Relationship between Polymorphism SCN1A and History of Status Epilepticus in Epileptic Patient: Pilot Study <i>Atitya Fithri KHAIRANI</i>
EG007	EEG Power Asymmetry as Predictor of Recovery in Acute Ischemic Stroke Patients <i>Ahmad ASMEDI</i>	EP016	Cortical Involvement of Post Stroke Epilepsy in Children: A Systematic Review <i>Grace Elizabeth SIGUMONRONG</i>
EG008	Electroencephalographic Changes on Passive Listening to 3 Indian Classical Music Scales <i>Kirthana KUNIKULLAYA U</i>	EP017	Biological Potential and Neuroprotective Activity of Pectolarin in the Management of Neurodegenerative Disorders: Phytotherapeutic Importance through Data Analysis of Various Scientific Works <i>Dinesh PATEL</i>
		EP018	A Systematic Review on the Role of Tumor Necrosis Factor-Alpha in Post-Traumatic Epilepsy <i>Alina ARULSAMY</i>

## e-Poster Presentations

View these e-Posters in the e-Poster Gallery of 7th AOCCN Congress

<b>EP019</b> Sudden Unexpected Death in Epilepsy among Asian: A Scoping Review <i>Hana Maizuliana SOLEHAN</i>	<b>Intraoperative Monitoring (IOM)</b>  <b>IM002</b> Somatosensory Evoked Potentials in Cervical and Cerebellopontine Angle Neurosurgical Procedures: Experience from a Tertiary Care Center in India <i>Mahesh GADHVI</i>
<b>EP020</b> Mortality in Epilepsy in Malaysia <i>Si-Bao KHOR</i>	<b>IM003</b> The Utility of Intraoperative Neurophysiological Monitoring in Surgical Correction for Spinal Arteriovenous Shunts: A Historical Control Study <i>Soo Young KIM</i>
<b>EP021</b> Impact of COVID-19 on People with Epilepsy: Understanding Their Needs <i>May-Yi KOH</i>	
<b>EP022</b> Clinical Diagnosis, EEG Evaluation and Treatment for Nmdar Autoimmune Encephalitis <i>Neimy NOVITASARI</i>	
<b>EP023</b> Ictal Video Electroencephalogram of an Amnesic Attack on Waking in A Transient Epileptic Amnesia Patient: Evidence for Postictal Rather than Ictal Amnesia <i>Taira UEHARA</i>	<b>Movement Disorders</b>  <b>MD001</b> Evaluation of Gait in Spinocerebellar Ataxia Type 12 (SCA-12) <i>Achal Kumar SRIVASTAVA</i>
<b>EP024</b> Prevalence and Clinical Characteristics of Pediatric Haemorrhagic Stroke Complicated with Seizure in Sardjito Hospital, Yogyakarta, Indonesia <i>Vega Pratiwi PUTRI</i>	<b>MD003</b> Audit of Care Home Residents with Parkinsonism in Salford <i>Cheng LIM</i>
<b>EP026</b> Clinical Profile of Children with West Syndrome: A Retrospective Chart Review <i>Virender GEHLAWAT</i>	<b>MD004</b> Peak Dose Ballistic Movements towards the Implantable Pulse Generator Life End in Deep Brain Stimulation <i>Denzel CHONG</i>
<b>EP027</b> Elderly Stroke Presenting as Epilepsia Partialis Continua <i>Rajarshi CHAKRABORTY</i>	<b>MD005</b> Neuroprotective Effects of Gossypetin in Alzheimer's Disease: Combining in-Silico and in-Vitro Approaches to Evaluate the Acetylcholinesterase Inhibitory Potential <i>Dinesh PATEL</i>
<b>EP028</b> Low-dose Perampanel Improves Refractory Cortical Myoclonus by the Dispersed and Suppressed Paroxysmal Depolarization Shifts in the Sensorimotor Cortex <i>Kazuki OI</i>	<b>MD006</b> Serotonin Syndrome - Case Series <i>Jayasree MANIKINDA</i>
<b>Evoked Potential Studies</b>	<b>MD007</b> Hemichorea-Hemiballismus with Non-Ketotic Hyperglycemia: A Movement Disorder Related to Diabetes Mellitus <i>Rita MULYANA</i>
<b>EV001</b> Visual Evoked Potential Findings in Neuromyelitis Optica Spectrum Disorders <i>Htet LIN</i>	<b>MD008</b> Differential Effects of Thyrotropin Releasing Hormone on Motor Performance and Motor Adaptation in Patients with Spinocerebellar Degeneration <i>Takahiro SHIMIZU</i>
<b>EV002</b> Visual Evoked Potentials in Neuromyelitis Optica Spectrum Disorders <i>Otto Hernandez FUSTES</i>	<b>MD009</b> A Neurophysiological Characteristic of Holme's Tremor with Thalamic Lesion <i>Warongporn PHUENPATHOM</i>
<b>EV003</b> Origin of Giant Somatosensory Evoked Potentials (SEPs) in Benign Adult Familial Myoclonus Epilepsy (BAFME) Using Principle Component Analysis <i>Maya TOJIMA</i>	<b>MD010</b> Early-Onset Parkinson's Disease in Malaysian Malays <i>Yen-Theng CHIN</i>
	<b>MD011</b> Persistent Cerebellar Dysfunction Post Toluene Sniffing <i>Yin-Pin LOO</i>

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<b>MD013</b>	Importance of Bioactive Flavonoids “Pectolinarin” in Inflammation and Pain: Validation through in-Vivo, in-Vitro and Molecular Modeling <i>Kanika PATEL</i>
<b>MD014</b>	Long Term Repeated Use of Botulinum Toxin Injection for Hemifacial Spasms in Sri Lanka <i>Vajira WEERASINGHE</i>
<b>MD015</b>	Vitamin D Intake Enhances Vitamin D Receptor Expression in the Striatum and Rescues Memory and Motor Dysfunction in Mouse Model Huntington’s Disease <i>Pragya KOMAL</i>
<b>MD017</b>	Spinal Segmental Myoclonus Masquerading as A Psychogenic Movement Disorder <i>Ankkita SHARMA</i>
<b>MD018</b>	Diagnostic Approach for Idiopathic Simple Writer’s Cramp: A Rare Case of Neurofunctional Disorder <i>Fahimma FAHIMMA</i>
<b>MD019</b>	Gabapentin as Add-on Therapy to Trihexyphenidyl in Children with Dyskinetic Cerebral Palsy: A Randomized Controlled Trial <i>Sonu KUMAR</i>
<b>MD020</b>	Ataxia with Occulogyric Crisis Representing Early Paraneoplastic Manifestation <i>Rajarshi CHAKRABORTY</i>
<b>MD021</b>	Drug Induced Extrapyramidal Syndrome in A Young Girl Diagnosed to be SLE <i>Rajarshi CHAKRABORTY</i>

Motor Neuron Disease	
<b>MN003</b>	Improvement of Progressive Distal Bimelic Hirayama Disease After Surgery: A Case Report <i>Suwat SRISUWANNANUKORN</i>
<b>MN004</b>	Multiple Neurophysiologic Biomarkers Evaluated the Pulmonary Function of ALS <i>Naohiko IGUCHI</i>
<b>MN005</b>	Pharmacological Importance and Biological Potential of Apigetrin for the Treatment of Neurodegenerative Disorders: Investigation through Numerous Scientific Research Data Analysis in the Medicine <i>Dinesh PATEL</i>
<b>MN006</b>	Warning Sign to Diagnose Amyothropic Lateral Sclerosis (ALS) – Rare Case <i>Adecya Amaryllis RISA PUTRI</i>

Muscle Disorders	
<b>MU002</b>	Mutation Spectrum of Congenital Muscular Dystrophies - A Case Series from India <i>Seena VENGALIL</i>
<b>MU003</b>	The Impairment of Excitation-Contraction Coupling in ICU-Acquired Weakness <i>Bungo HIROSE</i>
<b>MU004</b>	A Rare Treatable Cause of Dropped Head Syndrome <i>Kay Wei-Ping NG</i>
<b>MU005</b>	Myopathy In Primary Sjögren’s Syndrome in Dr Moewardi Hospital Indonesia <i>Dody Wahyu Lestya NUGRAHA</i>
Nerve Conduction Studies (NCS) and Electromyography (EMG)	
<b>NE002</b>	The Differences of Vitamin D Supplementation in Nerve Conduction Studies Based on Diabetic Duration and Glycemic Control in Diabetic Neuropathy <i>Aida FITRI</i>
<b>NE003</b>	Frequency of Carpal Tunnel Syndrome in Patients Having Diabetes Mellitus with Neuropathy in A Tertiary Care Hospital <i>Rashedul ISLAM</i>
<b>NE004</b>	Nerve Conduction Studies in Patients with Neuropathy by Electrical Injuries <i>Nona Suci RAHAYU</i>
<b>NE005</b>	Correlation between Nerve Conduction Study and Vibration Perception Threshold in Dental Residents <i>Rekha LIMBU</i>
<b>NE006</b>	Atypical Presentation of Guillain-Barre Syndrome (GBS) in Acute Inflammatory Demyelinating Polyneuropathy(AIDP) with Conduction Block and its Association with Anti-Sulfatide Antibody: A Case Report <i>Juen-Kiem TAN</i>
<b>NE008</b>	Association between Excitability of the Spinal Motor Neuron Function and An Evaluation Index for Image Recall Ability <i>Hiroyuki MATSUBARA</i>
<b>NE009</b>	Excitability of the Anterior Horn Cells with Periodic Movements after Different Number of Movements <i>Masataka KUROBE</i>
<b>NE010</b>	Spectrum of Referrals to the ENMG Laboratory of BNSRC, The Apex Neuro Center in Brunei <i>Muhammad Sulaiman HAJI SUFARDI</i>
<b>NE012</b>	Comparison of Orthodromic and Antidromic Median and Ulnar Sensory Nerve Conduction Studies in Neuropathy <i>Dian DESTRIYANAH</i>
<b>NE013</b>	Distal Myasthenia Gravis - A Missed Clinical Diagnosis <i>Khushnuma MANSUKHANI</i>



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<b>NE014</b>	Electromyography in the Diagnosis of Stiff-Person Syndrome <i>Sumanth S</i>
<b>NE015</b>	Acute Effects of Respiratory Muscle Stretching on Ventilatory Patterns and Respiratory Muscle Activity <i>Hiroyasu IWATSUKI</i>
<b>NE016</b>	An Overview of Nerve Conduction Study in Carpal Tunnel Syndrome Patients in Sanglah General Hospital during 2018-2019 <i>Ni Made Dwita PRATIWI</i>
<b>NE017</b>	Mid-Palmar Stimulation and Inching Method of the Median Nerve for Distinguishing the Carpal Tunnel Syndrome (CTS) from the Diabetic Polyneuropathy (DPN) <i>Rie KANKI</i>
<b>NE018</b>	The Important to Pay Attention the Waveform Pattern of the F Wave in A Patient with Cerebrovascular Diseases Who Showed Markedly Increased Muscle Tone of The Thenar Muscles <i>Toshiaki SUZUKI</i>
<b>NE019</b>	The Profile of Nerve Conduction Study Examination in Chemotherapy Induced Peripheral Neuropathy at Dr Sardjito Hospital <i>Nuardi YUSUF</i>
<b>NE020</b>	Nerve Conduction Studies in COVID-19: An Indian Hospital Suggestion <i>Ashish ARVIND</i>
<b>NE021</b>	Spinal Cord Injury Versus Brachial Plexus Injury: The Importance of Nerve Conduction Studies (NCS) in Major Trauma Patients <i>Lin CHENG</i>
<b>NE022</b>	Ulnar Neuropathy in The Hand: A Clinical & Electrodiagnostic Study in 20 Patients <i>Alika SHARMA</i>

Neuromuscular Junction Disorders (NMJ)	
<b>NJ001</b>	Quality of Life Comparison between Myasthenia Gravis with Plasma Exchange and Myasthenia Gravis without Plasma Exchange <i>Caesario Adi SUKRESNA</i>
<b>NJ002</b>	Myasthenia Gravis, A Great 'Mimicker' as An Initial Autoimmune Presentation of Diffused Large B Cell Lymphoma: A Case Report <i>Su-Fui THUNG</i>
<b>NJ003</b>	Sonographic Pattern of Median Nerve Enlargement in Hansen's Neuropathy. <i>Madhu NAGAPPA</i>
<b>NJ004</b>	Medicinal Importance and Visnagin for the Treatment of Neuroinflammatory Disorders: Physiological Functions in the Oxidative Stress Through Scientific Data Analysis <i>Dinesh K PATEL</i>
<b>NJ005</b>	Clinical Profile and Outcome of Childhood-Onset Myasthenia Gravis <i>Nibu VARGHESE</i>
<b>NJ006</b>	Rituximab in Myasthenia Gravis: Experience from A Low and Middle-Income Country <i>Sumanth S</i>

Neuromuscular Ultrasound (NMUS)	
<b>NU001</b>	Ultrasound Assessment for Shoulder Pain: Evaluation of Etiology in Urban Area of Jakarta <i>Anne Dina SOEBROTO</i>
<b>NU002</b>	Muscle Ultrasound is A Highly Sensitive Non-Invasive Tool to Detect Fasciculations in Limbs, Tongue and Paraspinal Muscles in Amyotrophic Lateral Sclerosis <i>Rahul Reddy RAJULA</i>
<b>NU003</b>	Estimation of Cross-sectional Area Reference Values of Nerves in the Upper and Lower Extremities Using Ultrasonography in the Indian Population <i>Sindhu DM</i>
<b>NU004</b>	Nerve Ultrasound in Multifocal Motor Neuropathy: Correlation with Electrophysiology and Functional Disability <i>Cheng-Yin TAN</i>
<b>NU005</b>	Nerve Cross-Sectional Area as A Surrogate Marker of Peripheral Nerve Degeneration in Amyotrophic Lateral Sclerosis <i>Tsun-Haw TOH</i>
<b>NU006</b>	Longitudinal Evaluation of Fasciculation Through Ultrasonography in Amyotrophic Lateral Sclerosis <i>Tsun-Haw TOH</i>

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Miscellaneous		
OT001	Polymyxin-Induced Neurotoxicity Masquerading as Myasthenia Gravis <i>Amanda CHIN</i>	OT018 Demographic Characterization of Patients with Cognitive Impairment <i>Monica DANIAL</i>
OT002	Alcohol Consumption Alters the Amygdalar Protein Expression of MTORC2 in Male Wistar Rats <i>Athirah Hanim CHE RAHIM</i>	OT019 Clinical Characteristics of Patients with Brain Metastases in Dr Sardjito General Hospital Yogyakarta, Indonesia <i>Briliansy BRILIANSY</i>
OT003	A Case Series of Familial Neuromyelitis Optica Spectrum Disorder (NMOSD) <i>Chai-Liang ANG</i>	OT020 Profile and Mortality Rate of Cerebrovascular Accident in Patient with Acute Myeloid Leukemia in Dr. Sardjito Hospital Yogyakarta <i>Rizka IBONITA</i>
OT004	Recurrent Direct Carotid Cavernous Fistula after Embolization, A Case Report <i>Dotti INGGRANITA</i>	OT021 Intracerebral Hemorrhage in Infective Endocarditis, with Dramatic Response to Dexamethasone: A Case Report <i>Distya PRADHANI</i>
OT005	A Rare Cause of Multiple Cystic Brain Lesions: Brain Metastasis Mimicking Neurocysticercosis (NCC) <i>Hui-Chien BEH</i>	OT022 Neuroimaging Features of HIV-positive Patients with Central Nervous System Infection in Dr Sardjito Hospital, Yogyakarta, Indonesia <i>Hanifah Fajarisna HAYATI</i>
OT006	Vertebro-Basilar Dolichoectasia: A Case Report of Recurrent Stroke with Treatment Dilemma <i>Yin-Yin TAN</i>	OT023 Intracranial Subdural Empyema Mimicking Acute on Chronic Subdural Hematoma: A Case Report <i>Mawaddah Ar ROCHMAH</i>
OT007	Is it GBS Treatment Related Fluctuation or Inadequate Treatment of GBS? A Case Report <i>Sujarot SASMITO</i>	OT024 Stroke Subtypes and In-Hospital Mortality in Patients with Systemic Lupus Erythematosus in Dr. Sardjito Hospital Yogyakarta <i>Ima DAMAYANTI</i>
OT008	Non-Invasive 3-D Image Analysis of Microcirculation Vascular Integrity in Asymptomatic Cerebral Small Vessel Disease <i>Yuri NA</i>	OT025 A Rare Case of Dengue Encephalopathy in Pregnant Woman <i>Fahreza Hanifa AKBAR</i>
OT011	Post Exposure of Anti-Diabetic Agents Exerts Neuroprotection and Improve Memory and Learning in Endothelin-1 Induced Focal Ischemia in Adult Zebrafish <i>Vishal CHAVDA</i>	OT026 Epidemiological Trends on the Risk Factors and Outcomes of Stroke <i>Soo-Ping LIM</i>
OT013	Paroxysmal Tonic Spasms and Right Foot Drop as Initial Presentations of Neuromyelitis Optica <i>Sin-Hong CHEW</i>	OT027 Approach and Management of Suspected Encephalitic Patients in Omdurman Teaching Hospital <i>Mohammed OMER</i>
OT014	Neurobehavior Disorders and Chronic Fatigue Associated with Autoimmune Disease: A Rare Cases of Multiple Sclerosis <i>Gyan ADYTYA</i>	OT028 Clinical Features of HIV Patients with Toxoplasmosis Infection at Dr. Sardjito General Hospital Yogyakarta <i>Deslita PURNAMASARI</i>
OT015	Monitoring Prefrontal Cortical Activation while Driving A Vehicle: A Functional Near-Infrared Spectroscopy Study <i>Daisuke HIRANO</i>	OT029 Clinical Neurophysiology Social Media Engagement Differs between Facebook and Twitter Users <i>Tuhfatul TASNIM</i>
OT016	The Comparison of Robotic Glove Training and Conventional Training in Post-Stroke Hand Impairment Patients: A Pilot Randomized Controlled Trial Protocol <i>Stephenie Ann ALBART</i>	
OT017	Neutrophil-to-Lymphocyte Ratio, Monocyte-to-Lymphocyte Ratio, and Platelet-to-Lymphocyte Ratio Biomarkers in Severe Hemorrhagic Stroke Patients: Which Ratio to Choose as A Mortality Predictor? <i>Adhi Hermawan SAPUTRO</i>	

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Pain	
<b>PA001</b>	Parsonage Turner Syndrome <i>Pricilla Yani GUNAWAN</i>
<b>PA002</b>	Chronic Low Back Pain Treated with Perineural Subcutaneous Injection of Dextrose 5% in Water (D5W): A Case Series <i>Budhi Febrian PURWO JATMIKO</i>
<b>PA004</b>	Severe Headache Post Coital: A Case Report <i>Suanton SUANTON</i>

Peripheral Nerve Disorders	
<b>PN001</b>	Electromyography (EMG) of Abductor Pollicis Brevis (ABP) Muscles in Diabetes Mellitus Type 2 <i>Dil Maya LIMBU</i>
<b>PN002</b>	Isolated Axillary Nerve Injury: A Case Report <i>Pricilla Yani GUNAWAN</i>
<b>PN003</b>	Refractory Chronic Inflammatory Demyelinating Polyneuropathy Treated with Subcutaneous Bortezomib <i>Li-Jie CHONG</i>
<b>PN005</b>	The Clinical Characteristics and Incidence of Hypoalbuminemia in Patients with Guillain Barre Syndrome in Yogyakarta, Indonesia <i>Indra Sari Kusuma HARAHAHAP</i>
<b>PN006</b>	Guillain Barre Syndrome Treatment Related Fluctuation (GBS-TRF) Following Meningococcus Vaccination: A Case Report <i>Indra Sari Kusuma HARAHAHAP</i>
<b>PN007</b>	A Case Presenting Clinical and Laboratory Characteristics of Fisher Syndrome and Lambert-Eaton Myasthenic Syndrome (LEMS) <i>Kazuna IKEDA</i>
<b>PN008</b>	Electrophysiological Subtypes of Guillain-Barre Syndrome (GBS) Cases at Tertiary General Hospital, Myanmar <i>Kyawt Oo KAY THI HTAY</i>
<b>PN009</b>	Photobiomodulation Promoting Recovery from Traumatic Nerve Injury Secondary to Supracondylar Fracture of Humerus: A Case Report <i>Hwee-Ming LEE</i>
<b>PN010</b>	Critical Illness Polyneuropathy <i>Luther THENG</i>
<b>PN013</b>	Charcot-Marie-Tooth With Transient Leukodystrophy: A Case Report <i>Nguyen MINH</i>

<b>PN014</b>	Demographic and Clinical Characteristics Among Patients with Myasthenia Gravis <i>Nurul FAJRI</i>
<b>PN015</b>	Rituximab Therapy in Post Thymectomy Refractory Myasthenia Gravis: A Case Report <i>Putri Maulia SARI</i>
<b>PN018</b>	The Co-Occurrence of Myasthenia Gravis and Guillain-Barre Syndrome : A Case Report <i>Resista FRESHIMONA</i>
<b>PN019</b>	Pneumonia in A Pregnant Woman with Exacerbated Myasthenia Gravis <i>Shierly Novitawati SITANAYA</i>
<b>PN020</b>	Acute Flaccid Paralysis: Guillain-Barré Syndrome Mimics <i>Si-Lei FONG</i>
<b>PN021</b>	A Case Series of Cryoglobulinemia with Different Clinical Presentations and Different Nerve Conduction Studies (NCS) Findings <i>Soe Thinzar OO</i>
<b>PN022</b>	Transthyretin Familial Amyloid Polyneuropathy in Multi-Ethnic Malaysians <i>Soon-Chai LOW</i>
<b>PN023</b>	Childhood-Onset Demyelinating Polyneuropathy: Challenges in Differentiating Acquired from Genetic Disease <i>Tsun-Haw TOH</i>
<b>PN024</b>	The Profile of Cerebrospinal Fluid Analysis in Patients with Guillain-Barré Syndrome <i>Wikan Pambudi NUROSO</i>
<b>PN025</b>	Peculiarities of Differential Diagnosis and Treatment of Upper Limb Tunnel Neuropathies <i>Yury MERKULOV</i>
<b>PN027</b>	Sympathetic Skin Response in Diabetic Neuropathy With and Without Peripheral Arterial Disease <i>Nurul FADLI</i>
<b>PN028</b>	Clinical and Electrophysiological Profile of Arsenic Neuropathy <i>Seshagiri D</i>
<b>PN029</b>	Clinical and Electrophysiological Profile of Patients with Guillain-Barre Syndrome with Conduction Blocks <i>Praveen SHARMA P</i>
<b>PN030</b>	Recurrent Guillain Barre Syndrome: Clinical and Electrophysiological Profiles <i>Praveen SHARMA P</i>

## e-Poster Presentations

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<b>PN031</b>	Medicinal Importance and Health Beneficial Effect of Tangeretin: Therapeutic Role in Neurodegeneration and Inflammatory Responses <i>Dinesh K PATEL</i>
<b>PN032</b>	Peripheral Nerve Hyperexcitability Syndrome-Case Series from Tertiary Neurospeciality Centre <i>Mayura DHONDE</i>
<b>PN033</b>	Chronic Inflammatory Demyelinating Polyneuropathy in HIV Infected Patient Responding to Plasmapheresis: A Case Report <i>Rakhian LISTYAWAN</i>
<b>PN034</b>	Facial Paralysis in Ramsay Hunt Syndrome: A Case Report, Literature Review on Therapy and Prognosis <i>Agus Nugroho ANDHI SAPUTRO</i>
<b>PN035</b>	TH17 Pathway-Related Cytokine Abnormalities in the Plasma and Cerebrospinal Fluid in Guillain Barré Syndrome (GBS): A Correlation Analysis <i>Monojit DEBNATH</i>
<b>PN036</b>	Loss of Function Mutation in HINT1 Gene Presenting with Neuromyotonia and Hereditary Neuropathy <i>Leena SHINGAVI</i>

Sleep	
<b>SP001</b>	Sleep Disorders Among Filipino Mothers: A Cross-Sectional Study in Laguna, Philippines <i>Cherry Ann DURANTE</i>
<b>SP002</b>	Prevalence of Daytime Sleepiness Among Emergency Medical Service Ambulance Driver in Kuala Lumpur Hospital <i>Rosdi ZAINOL</i>
<b>SP003</b>	Idiopathic Central Sleep Apnea with Periodicity Presenting as Cheyne-Stokes Breathing <i>Sajeesh PARAMESWARAN</i>
<b>SP004</b>	Thai Scopa and MPDSS; Two Scales for Assessment of Night Sleep Disorder Compare by PSQI in Parkinson's Disease at Faculty of Medicine Vajira Hospital <i>Sirinapa SANEEMANOMAI</i>

Transcranial Stimulation (TCS)	
<b>TS001</b>	Motor Evoke Potential Assessment in Post Stroke Rehabilitation with add on Acupuncture or Malay Massage Therapy Using Trans-Magnetic Stimulation(TMS) on Cortical Region of Brain <i>Beng-Hoong CHEW</i>
<b>TS002</b>	Non-Specific Facilitatory After-Effects of Transcranial Random Noise Stimulation on Bilateral Anterior Temporal Cortex <i>Chou-Ching LIN</i>
<b>TS003</b>	Treatment of Stuporous Catatonia with Repetitive Transcranial Magnetic Stimulation (rTMS) Therapy in A Filipino Adult Patient: A Case Report <i>Ferron OCAMPO</i>
<b>TS004</b>	The Relationship Between Scalp to Cortex Distance and Motor Threshold Using Transcranial Magnetic Stimulation (TMS) <i>Yetty HAMBARSARI</i>
<b>TS005</b>	Potentiate of Transcranial Direct Current Stimulation in Modulating Spinal Reflex Excitability in Persons with Chronic Stroke <i>Fariba YADOLAH</i>



# 7<sup>th</sup> ASIAN-OCEANIAN CONGRESS ON CLINICAL NEUROPHYSIOLOGY



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