



Curriculum Vitae

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International Professional Roles & Affiliations

- **Site/Group Director**, *Principles and Practice of Clinical Research (PPCR)*, Harvard T.H. Chan School of Public Health, Harvard University, Boston, USA
- **Founder Chair, Gender Medicine (Women and Health) Task Force**, *International Society of Physical and Rehabilitation Medicine (ISPRM)*
- **Associate Editor**, *Frontiers in Rehabilitation Sciences*

Researcher Profiles

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- **ResearchGate:** <https://www.researchgate.net/profile/Areerat-Suputtitada>
- **Google Scholar:** <https://scholar.google.co.th/citations?user=6XN5vU8AAAAJ&hl=en>

Education

Year	Qualification / Certificate	Institution	Field of Study
1991	Doctor of Medicine (MD)	Mahidol University, Faculty of Medicine Siriraj Hospital	Medicine
1993	Certificate in Sport Medicine	International Federation of Sports Medicine	Sport Medicine
1994	Board Certification in Rehabilitation Medicine	Chulalongkorn University	Rehabilitation Medicine
1995	Certificate in Botulinum Toxin Injection (EMG-guided) for Spasticity & Movement Disorders; Certificate in Pain & Neurological Rehabilitation	Mount Sinai Medical Center, Mount Sinai University, New York, USA	Rehabilitation Medicine
1995	Certificate in Management of Spasticity & Movement Disorders	Colorado Neurological Institute, USA	Rehabilitation Medicine
1996	Certificate in Gait & Movement Analysis and Dynamic EMG	Vienna University Hospital, Austria	Rehabilitation Medicine

Year	Qualification / Certificate	Institution	Field of Study
2006	Certificate in Research Ethics	Western IRB, Seattle, USA	Rehabilitation Medicine
2008	Mini MBA in Health	Chulalongkorn University	Health Administration
2009	Certificate in Motion Capture in Movement Analysis	Qualysis Co. & Hospitals, Sweden	Rehabilitation Medicine
2009	Certificate in Wireless Dynamic EMG in Movement Analysis	Mega Co. & Hospitals, Finland	Rehabilitation Medicine
2009	Certificate in Clinical Gait Analysis	Denver, USA	Rehabilitation Medicine
2009	Certificate in Gait Analysis	Gait & Clinical Movement Analysis Society (GCMAS), London, UK	Rehabilitation Medicine
2010	Certificate in Extracorporeal Shockwave Therapy (ESWT)	Association of Radial Pain Therapy, Switzerland	Rehabilitation Medicine
2012	Certificate in Diagnostic Ultrasound for Physical & Rehabilitation Medicine	Australian Institute of Ultrasound (AIU)	Rehabilitation Medicine
2012	Certificate in Hands-on Diagnostic Musculoskeletal Ultrasound	American Academy of Physical Medicine and Rehabilitation (AAPMR)	Rehabilitation Medicine
2013	Certificate in Fundamentals of Assistive Technology	Rehabilitation Engineering & Assistive Technology Society of North America (RESNA)	Rehabilitation Medicine
2013	Certificate in Cognitive Rehabilitation Training	Orlando, USA	Rehabilitation Medicine
2014	Certificate in Musculoskeletal Ultrasound Board Examination (RMSK) Review Course	Tahoe Center for Orthopedics & Barton University (endorsed by AAPMR & ACSM)	Rehabilitation Medicine
2014	Certificate in Comprehensive Sports Medicine Update & Board Review	Tahoe Center for Orthopedics & Barton University (endorsed by AAPMR & ACSM)	Sports Medicine
2014	Certificates in Good Clinical Practice (US FDA Focus, ICH Focus, Device Trials)	Collaborative Institutional Training Initiative (CITI), University of Miami, USA	Clinical Research
2016	Certificate in Transcutaneous Direct Current Stimulation & Transcranial Magnetic Stimulation	Harvard Medical School, Boston, USA	Rehabilitation Medicine
2016	Certificate in Xsens Motion Tracking Technology	Xsens Institute, Netherlands	Rehabilitation Medicine
2016	Certificates in Motor Control in Biomechanics, Investigation of Muscle Physiology, Delsys EMG Analysis	International Society of Electrophysiology & Kinesiology (ISEK), Chicago, USA	Rehabilitation Medicine
2017, 2020, 2024	Certificates in Good Clinical Practice (ICH & US FDA Focus, Device Trials), Responsible Conduct of Research, Conflicts of Interest	Collaborative Institutional Training Initiative (CITI), University of Miami, USA	Clinical Research
2017	Certificate in Sports Medicine (Update from 1993)	International Federation of Sports Medicine	Sports Medicine
2017	Certificate in Ultrasound-Guided Botulinum Toxin Injection (Cadaveric & Hands-on Training)	Toxin Academy, International Society of Neurology & Rehabilitation Medicine	Rehabilitation Medicine
2017	Certificate in Aging	Aging Asia, Finland	Gerontology
2017	Certificate in High-Power Laser for Pain Management	Institute for Medical Education, Los Angeles, USA	Rehabilitation Medicine

Year	Qualification / Certificate	Institution	Field of Study
2018	Certificate in Neuromodulation (TMS, tDCS, Spinal Cord, Vagal Nerve Stimulation)	Association of Academic Physiatrists (AAP)	Rehabilitation Medicine
2018	Certificate in Diagnostic Ultrasound	Association of Academic Physiatrists (AAP)	Rehabilitation Medicine
2018	Certificate in Standardized Quantitative Sensory Testing (QST)	Thai Association for the Study of Pain	Pain Medicine
2018	Certificate in Spasticity Management – Training for Trainers	Association of Academic Physiatrists (AAP)	Rehabilitation Medicine
2019	Certificates in Botulinum Toxin Optimization & Clinical Aspects	EACCME & International Neurotoxin Association (INA)	Rehabilitation Medicine
2019	Certificate in Pain Management Ultrasonography	World Academy of Pain Management Ultrasonography (WAPMU)	Pain Medicine
2019	Certificate in Interventional Pain Medicine	World Institute of Pain (WIP)	Pain Medicine
2019	Certificate in Traumatic Brain Injury Rehabilitation	American Congress of Rehabilitation Medicine (ACRM)	Rehabilitation Medicine
2019	Certificate in Medical Laser Therapy for Pain, Regenerative Medicine & Cancer Therapy	International Society for Medical Laser Applications	Rehabilitation & Regenerative Medicine
2019	Certificate in Advanced Interventional Pain Conference and Workshop	European Accreditation Council for Continuing Medical Education (EACCME)	Pain Medicine
2020	Certificate in “How to Write and Get Published?”	Springer Nature	Clinical Research
2021	“Mastering Medical Teaching” Summer Course	Stanford University, USA (Registered by Chulalongkorn University, International Medical Program)	Medical Education
2023	Clinical TMS Certification Course	European Accreditation Council for Continuing Medical Education (EACCME)	
2024	Principles and Practice of Clinical Research (PPCR)	Harvard T.H. Chan School of Public Health, Harvard University, Boston, USA	Clinical Research

Academic Positions

Year	Position	Institution
1998–1999	Lecturer	Department of Rehabilitation Medicine, Faculty of Medicine, Chulalongkorn University
1999–2002	Assistant Professor	Department of Rehabilitation Medicine, Faculty of Medicine, Chulalongkorn University
2002–2005	Associate Professor	Department of Rehabilitation Medicine, Faculty of Medicine, Chulalongkorn University
2005–Present	Full Professor	Department of Rehabilitation Medicine, Faculty of Medicine, Chulalongkorn University

Current Position: Full Professor, Department of Rehabilitation Medicine, Faculty of Medicine, Chulalongkorn University

Areas of Expertise

- Interventional Pain Management
- Neurorehabilitation
- Clinical Neurophysiology
- Therapeutic Exercise
- Rehabilitation Engineering
- Aging and Geriatric Rehabilitation

Publications

International

1. Pajareya K, **Suputtitada (Anannontsak) A.**, Paileeklee S. Functional skill after spinal cord injury rehabilitation: a follow up study. J Med Thai Assoc 1998;81: 310-5.
2. **Suputtitada (Anannontsak) A.**, Massakulpan P, Aksaranugraha S, Phantumchinda K. Somatosensory evoked potentials in X-linked recessive bulbospinal neuronopathy: a case demonstration. Electromyogr Clin Neurophysiol 1999; 39: 393-6.
3. **Suputtitada (Anannontsak) A.** The treatment of cervical dystonia with low dose botulinum A toxin by EMG guidance. Proceeding of the 3rd Biennial Convention of the ASEAN Neurological Association Congress on February 3-5, 1999.
4. **Suputtitada (Anannontsak) A.** Three-year experience in Botulinum toxin type A treating of writer's cramp. Proceeding of the 3rd Biennial Convention of the ASEAN Neurological Association Congress on February 3 - 5 1999.
5. **Suputtitada A.** Managing spasticity in pediatric cerebral palsy using a very low dose of botulinum toxin type A: preliminary report. Am J Phys Med Rehabil 2000; 320-6.
6. **Suputtitada A.** Cervical radiculopathy and myelopathy in cervical dystonia. Proceeding of the 1st ISPRM at Amsterdam, Netherland 7-13 July 2001.
7. **Suputtitada A.** Local botulinum toxin type A injection in the treatment of spastic toes. Am J Phys Med Rehabil 2002; 81: 770-5.
8. **Suputtitada A***, Phanthumchinda K, Locharernkul C, Suwanwela NC. Treatment of writer's cramp with very low dose botulinum toxin type A at King Chulalongkorn Memorial Hospital. Naunyn Schmiedeberg's Arch Pharmacol 2002;365 Suppl 2:R7-50.
9. **Suputtitada A***, Wacharapreechanont T, Chaisayan P. Effect of the "Sitting pelvic tilt exercise" during the third trimester in primigravidas on back pain. J Med Assoc Thai 2002;85 (Suppl1):S170-9.
10. **Suputtitada A. ***, Aksaranugraha S., Granger CV., Sankaew M. Results of stroke rehabilitation in Thailand. Disability and Rehabilitation 2003; 25(19): 1140-5.
11. **Suputtitada A.** Effectiveness of low dose botulinum toxin in the treatment of spasticity in adult patients. In: Ring H, Soroker N, editors. Proceedings of the 2nd World Congress of the International Society of Physical and Rehabilitation Medicine (2nd ISPRM); 2003 May 18-22; Prague, Czech Republic; 2003.p.611-8.
12. **Suputtitada A***, Yookatanan P, Rarerng-Ying T. Effect of partial body weight support treadmill training in chronic stroke patients. J Med Assoc Thai 2004;87(Suppl2):S107-11.
13. **Suputtitada A***, Phanthumchinda K, Locharernkul C, Suwanwela NC. Treatment of hemifacial spasm with low dose botulinum toxin injection: a 8 – year experience at King Chulalongkorn Memorial Hospital. J Med Assoc Thai 2004; 87(10):1205-11.
14. **Suputtitada A***, Suwanwela NC, Tumvitee S. Effectiveness of constraint-induced movement therapy in chronic stroke patients. J Med Assoc Thai 2004;87(12): 1482-90.
15. **Suputtitada A***, Suwanwela NC. The lowest effective dose of botulinum A toxin in adult patients with upper limb spasticity. Disabil Rehabil 2005;27(4) :170-84.
16. **Suputtitada A***, Thaploka S. The lowest effective dose of botulinum toxin type A in upper limb spasticity of cerebral palsied children. Proceedings of the 3rd World Congress of the International Society of Physical and Rehabilitation Medicine (3rd ISPRM); 2005 April 10-15; San Paolo,Brazil.
17. **Suputtitada A***, Jongrasittikul H, Pinthawirut K. Antispasticity ball splint, Thai material in stroke patient. Proceeding in the US-Thai Biomedical Engineering on December 12-15, 2005.
18. **Suputtitada A, *** Sriyuthasak M, Techacheewin B. Biofeedback, Thai Equipment for Children with Fecal Incontinence. Proceeding in the US-Thai Biomedical Engineering Symposium on December 12-15, 2005.

19. Kitisomprayoonkul W, Teeramongkonrasmee A, Sriyudthsak M, **Suputtitada A***. Balance color force sensor biofeedback for weight training in stroke patients. Proceeding in the US-Thai Biomedical Engineering Symposium on December 12-15, 2005
20. **Suputtitada A***, Suwanwela NC. Constraint-Induced Movement Therapy Improves Spasticity and Dexterity after Stroke. *Neurorehabilitation & Neural repair* 2006;20(1):106. (Proceeding in the 4th World Congress of Neurological Rehabilitation, Hong Kong, Republic People of China.).
21. **Suputtitada A***, Poonyachot T. 50% alcohol in water intramuscular neurolysis for treatment of ankle spasticity. *Neurorehabilitation & Neural repair* 2006;20(1):194. (Proceeding in the 4th World Congress of Neurological Rehabilitation, Hong Kong, Republic People of China.)
22. **Suputtitada A***, Khawaja IA, Bares M, Besleaga M, Khouja-Gouider N. Clinical case discussion on upper limb post stroke spasticity. *Botulinum toxin letter*. Paris: Help Medical, 2007;1-7.
23. **Suputtitada A***, Santignamkul A, Kittisomprayoonkul W. The lowest effective dose of botulinum toxin in detrusor sphincter dyssynergia. *Toxicon* 2008 ;51(Suppl 1) 41-2.
24. Suanpirintr S., Thubthong N , **Suputtitada A**. A preliminary study: Acoustic analysis for Parkinson's disease patients focusing on disease state. i-CREAtE 2008 – International Convention on Rehabilitation Engineering and Assistive Technology 2008, Pages 118-121
25. **Suputtitada A***, Saganrungsirikul S. Conventional gait analysis in elderly. Proceeding in Gait and Clinical Movement Analysis Society Congress 2009, 285.
26. **Suputtitada A***, Bhidayasiri R, Charoensantiurai U. Effect of stair-walking exercise in Parkinson patients. *Mov Disord* 2009; 24: S282.
27. **Suputtitada A***, Saganrungsirikul S. Gait analysis in elderly: comparison between computerized and conventional analysis. *J Neurol Sci* 2009; 285 (Suppl1):S76.
28. **Suputtitada A***, Sriyudthsak M, Pongmala C. Cueing devices for gait ability in Parkinson patient using motion analysis. *Gait & Posture* 2009; 30 (Suppl 2): S127.
29. Konchalard K, **Suputtitada A**, Sastravaha N. Vibratory sensory testing in carpal tunnel syndrome: correlations with electrodiagnostic parameters and disease severity. *Clinical Neurophysiology* 2009;120 (Suppl 1) S37- S38.
30. **Suputtitada A***, Massakulpan P, Aksaranugraha S. Sensitivity of distal median sensory latency of middle finger in early detection of carpal tunnel syndrome. *Muscle & Nerve* 2009;40(4):701.
31. Konchalard K, **Suputtitada A**, Sastravaha N. Vibratory sensory testing in carpal tunnel syndrome: correlations with electrodiagnostic parameters and disease severity. *Clinical Neurophysiology* 2009;120(Suppl 1) S37- S38.
32. **Suputtitada A***, Massakulpan P, Aksaranugraha S. Sensitivity of distal median sensory latency of middle finger in early detection of carpal tunnel syndrome. *Muscle & Nerve* 2009;40(4):701.
33. **Suputtitada A***, Chatkungwanson W, Theamprasit J, Chaiprakit N. Anterior versus posterior plastic ankle foot orthoses for ankle spasticity: which one is better? Proceeding of the 6th World Congress of Neurorehabilitation at March 21-25, 2010, Vienna, Austria.
34. Pongmala C., **Suputtitada A***, Sriyudthsak, M. The study of cueing devices by using visual, auditory and somatosensory stimuli for improving gait in parkinson patients ICBT 2010 - 2010 International Conference on Bioinformatics and Biomedical Technology 2010, Article number 5478983, Pages 185-189
35. **Suputtitada A**, Saganrungsirikul S, Banchertteerakul N. Running injuries in middle-age to elderly. Proceeding in the 6th World Congress on Biomechanics during 1-6 August, 2010 at Singapore.
36. **Suputtitada A**, Saganrungsirikul S, Banchertteerakul N. Wear and Tear Pattern of Shoes and Running Injuries in Middle-age to Elderly. Proceeding in the 6th World Congress on Biomechanics during 1-6 August, 2010 at Singapore.
37. **Suputtitada A***, Janwantanakul. P, Lawsirirat. C, Tongterm. T. A design and development of an electronic agility and balance testing equipment for elderly. Proceeding of the International conference on Sports & Exercise Science, Centara Duangtawan, Chiang Mai, Thailand during December 11-14, 2010.
38. Yennan P, **Suputtitada A***, Yuktanandana P. Effects of aquatic exercise and land-based exercise on postural sway in elderly with knee osteoarthritis. *Asian Biomed* 2010; 4: 739-745.
39. **Suputtitada, A***, Janwantanakul. P, Lawsirirat. C and Tongterm. T. A design and development of an electronic lower body strength and endurance testing equipment for elderly. Proceeding of the International conference on Sports & Exercise Science on December 11-14, 2010.
40. **Suputtitada A***, Saganrungsirikul S. Novel of Gait Analysis in Early Parkinson's Disease. *Parkinsonism & Related Disorders* 2012;18 (Suppl2) :S72.
41. **Suputtitada A**. Clinical experience of botulinum toxin and neurolysis in spasticity. In: Kusumastuti P, Tulaar ABM., eds. *Art and Culture in Synergy with Physical and Rehabilitation Medicine*. Bologna: Monduggi. Editore, 2012: 51-56.

42. Thanasoontornrer R, Vateekul P, Kanongchaiyos P, Pongmala C, **Suputtitada A.** Kinect-based gait capture and analysis system. Proceeding of the 5thAUN/SEED-Net Regional Conference on Information and Communications Technology Oct 18-19,2012 Page 98-102. Print ISSN 2094-0297.
43. Thanasoontornrer R, Vateekul P, Kanongchaiyos P, Pongmala C, **Suputtitada A.** Tree induction for diagnosis on movement disorders using gait data. Proceeding of the 5th international conference on knowledge and smart technology (KST) Jan31-Feb1,2013. page 47-52. Print ISBN 978-1-4673-4580-8.
44. Jaysrichai T., **Suputtitada A.**, Khovidhungij W., Chanwimalueang T. Application of Inertial a. Measurement Units for angular motion detection i-CREATE 2013 – International Convention on Rehabilitation Engineering and Assistive Technology, in Conjunction with SENDEX 2013
45. **Suputtitada A.**, Saguanrungsirikul S. Novel of 3D Gait Analysis in Early Parkinson's Disease and Normal Elderly. Proceeding of the American Academy of Physical Medicine and Rehabilitation Annual Assembly and Technical Exhibition in Atlanta, Georgia on November 15-18, 2012.
46. **Suputtitada A.**, Santignamkul A, Kittisomprayoonkul W. The Lowest Effective Dose of transperineal Botulinum Toxin Injection with Electromyographic Guidance in Detrusor Sphincter Dyssynergia. Pol Rehab Res J 2013;10-14.
47. Tongterm T, **Suputtitada A.**, Lawsirirat C, Janwantanakul P Functional Fitness Test for Screening the Risk of Falls in the Elderly: Using Decision Tree Technique. **Journal of Exercise Physiology online** 2015;18(6):104-111.
48. Jaysrichai T., **Suputtitada A.**, Khovidhungij W., Mobile Sensor Application for Kinematic Detection of the Knees. Ann Rehabil Med. 2015 Aug; 39(4): 599–608.
49. **Suputtitada A.** Novel Approaches for Chronic Pain. Int J Phys Med Rehabil 2016 online, Published JUNE 30TH,2016
50. **Suputtitada A.** Myofascial Pain and Sensitization. Physical Medicine and Rehabilitation research 2016 online, accepted October 2016.
51. **Suputtitada A.** Review: Update of Extracorporeal Shockwave Therapy for Myofascial Pain Syndrome, Int Phys Med Rehabil J 2017 online, Published July13,2017.
52. Wisitwekin A, Pongmala C, **Suputtitada A.** Somboon P. Development of Gait Training System with Real-time Auditory Biofeedback for Telerehabilitation. 5th International Electrical Engineering Congress, Pattaya, Thailand, 8-10 March 2017
53. **Suputtitada A.** MiniReview: Can Yoga Prevent Fall? Yoga Prac Physio Ther YPPT-131 2017. online, Published,5 August, 2017
54. **Suputtitada A.** Effect of Postural Enhancing Wheel Walker in Patient with Parkinson 's Disease: A Case Report. Current Opinions in Neurological Science 1.2 (2017): 127-31.
55. **Suputtitada A.** Myofascial pain syndrome and sensitization. In: Sharan D, Samuel RJ. eds. MYOPAIN 2017 Breakthroughs in muscle pain research & practice, 1st ed. 2017:11-5.
56. **Suputtitada A.** Novel PMR approaches to MYOPAIN conditions. In: Sharan D, Samuel RJ. eds. MYOPAIN 2017 Breakthroughs in muscle pain research & practice, 1st ed. 2017: 69-74.
57. **Suputtitada A.** MiniReview : Advance Gait Analysis in Clinical Assessment. Int Phys Med Rehabil J 2017;2(2):online 00044
58. Turner-Stokes L, Ashford S, Esquenazi A, Wissel J, Ward AB, Francisco G, Lains J, **Suputtitada A.**, Serrano S, Baguley IJ, Barnes M, Simpson DM. A comprehensive person-centered approach to adult spastic paresis: a consensus – based framework. Eur J Phys Rehabil Med. 2017 Dec 21. doi: 10.23736/S1973-9087.17.04808-0.
59. **Suputtitada A.** Can transcranial direct current stimulation enhance brain activities? Int Phys Med Rehab J 2018;3(4):337–338
60. **Suputtitada A.** Novel Evidences of Extracorporeal Shockwave Therapy for Spasticity. J Physic Med Rehabilita Stu 1(1): 101
61. Noopud P, **Suputtitada A.**, Khongprasert S, Kanungsukkasem V. Effects of Thai traditional dance on balance performance in daily life among older women. Aging Clinical and Experimental Research published online October 8,2018 <https://doi.org/10.1007/s40520-018-1040-8>
62. **Suputtitada A.** Novel Cognitive Ageing Rehabilitation with Transcranial Direct Current Stimulation. Int Phys Med Rehab J 2018;3(6):471-4.
63. **Suputtitada A.** Clinical Use and Evidence of Noninvasive Brain Stimulation for neurorehabilitation. Acta Scientific Neurology 2019;2: online
64. Maneeprom N, Taneepanichkul S, Panza A, **Suputtitada A.** Effectiveness of robotics fall prevention program among elderly in senior housings, Bangkok, Thailand: a quasi-experimental study. Clin Interv Aging. 2019 Feb 18;14:335-346. doi: 10.2147/CIA.S182336. eCollection 2019.

65. Chen CPC, Chen JL, Ho CS, **Suputtitada A**. Ultrasound-guided Medial Branch Blocks, Facet Joint, and Multifidus Muscle Injections: How It Is Done under One Needle Insertion Point! *Anesthesiology*. 2020 Mar;132(3):582-583. doi: 10.1097/ALN.0000000000003043.
66. **Suputtitada A***, Chen CP, Young M, Segal NA, O'Young B. Advanced interventions for common pain conditions in women. *J Int Soc Phys Rehabil Med* 2020;3:101-5.
67. Chen CH, Chen CPC, Chen JL, Cheng WJ, **Suputtitada A**. The Change in Body Positioning to Improve Safety in Performing Ultrasound-Guided Supraclavicular Brachial Plexus Nerve Block. *Am J Phys Med Rehabil*. 2021 Apr 1;100(4):e60-e61. doi: 10.1097/PHM.0000000000001527.
68. Chen CPC, Chen CK, Chen JL, Chen HM, **Suputtitada A**. Ultrasound-Guided Lumbar Spine Medial Branch Blocks for the Treatment of Low Back Pain. *Am J Phys Med Rehabil*. 2021 May 1;100(5):e73-e74. doi: 10.1097/PHM.0000000000001591.
69. Philippe Lagnau, Alto Lo, Ryan Sandarage, Katharine Alter , Alessandro Picelli , Jorg Wissel, Monica Verduzco- Gutierrez , **Areerat Suputtitada**, Michael C. Munin, Stefano Carda, Omar Khan, Serdar Koçer and Rajiv Reebye. Ergonomic Recommendations in Ultrasound-Guided Botulinum Neurotoxin Chemodenervation for Spasticity:An International Expert Group Opinion. *Toxins* 2021, 13(4), 249;<https://doi.org/10.3390/toxins13040249>
70. Charoenlimprasert J,Srioum S, Maneerat T, Songvanich S, Kaewsanmung S, **Suputtitada A**. Translation, Cross-Cultural Adaptation, Reliability and Validity of the Thai Version of the Trunk Impairment Scale 2.0. *ASEAN J Rehabil Med*. 2021; 31(2): 59-66
71. **Suputtitada A***, Chen CPC, Pongpirul K. Mechanical Needling with Sterile Water versus Steroids Injection for Facet Joint Syndrome: A Retrospective Observational Study. *Pain Res Manag* 2022: <https://doi.org/10.1155/2022/9830766>
72. **Suputtitada A***, Chen CPC, Pongmala C, Sriyudthsak M, Wilhelm A,Somboon P, Janssen J, Richards J.The efficacy of a newly developed cueing device for gait mobility in Parkinson's Disease. *Parkinson's Disease* 2022 <https://doi.org/10.1155/2022/7360414>
73. Nopsopon T, **Suputtitada A***, Lertparinyaphorn I, Pongpirul K. Nonoperative treatment for pain sensitization in patients with low back pain: protocol for a systematic review. *Syst Rev*. 2022 Apr 4;11(1):59. doi: 10.1186/s13643-022-01927-2.
74. **Suputtitada A***, Chen CPC, Ngamrungsiri N, Schmitz C. Effects of Repeated Injection of 1% Lidocaine vs. Radial Extracorporeal Shock Wave Therapy for Treating Myofascial Trigger Points: A Randomized Controlled Trial. *Medicina (Kaunas)*. 2022 Mar 26;58(4):479. doi: 10.3390/medicina58040479.
75. Chen CPC, **Suputtitada A***, Chatkungwanson W, Seehaboot K. Anterior or Posterior Ankle Foot Orthoses for Ankle Spasticity: Which One Is Better?. *Brain Sci*. 2022, 12, 454. <https://doi.org/10.3390/brainsci12040454>
76. **Suputtitada A***, Chen CPC, Pongpirul K. Mechanical Needling with Sterile Water versus Steroids Injection for Facet Joint Syndrome: A Retrospective Observational Study. *Pain Res Manage* 2022: 9830766, <https://doi.org/10.1155/2022/9830766>
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78. Peng YN, Chen JL, Hsu CC, Chen CPC*, **Suputtitada A**. Intra-Articular Leukocyte-Rich PlateletRich Plasma versus Intra-Articular Hyaluronic Acid in the Treatment of Knee Osteoarthritis: A Meta-Analysis of 14 Randomized Controlled Trials. *Pharmaceuticals (Basel)*. 2022 Aug 7;15(8):974. doi: 10.3390/ph15080974.
79. Chen JL, Hsu CC, Chen WCC, Peng YN, Chen CPC*, **Suputtitada A**. Intra-Articular Laser Therapy May Be a Feasible Option in Treating Knee Osteoarthritis in Elderly Patients. *Biomed Res Int*. 2022 Nov 22;2022:3683514. doi: 10.1155/2022/3683514.
80. **Suputtitada A.*** Editorial: Highlights in medical and surgical rehabilitation 2021/22. *Front Rehabil Sci*. 2023 Jun 9;4:1219924. doi: 10.3389/fresc.2023.1219924.
81. **Suputtitada A***, Nopsopon T, Rittiphairoj T, Pongpirul K. Intra-Articular Facet Joint Injection of Normal Saline for Chronic Low Back Pain: A Systematic Review and Meta-Analysis. *Medicina (Kaunas)*. 2023 May 28;59(6):1038. doi: 10.3390/medicina59061038.
82. **Suputtitada A**, Kim H, Munin MC, Winston P*. Neurolysis. *Handbook of Spasticity: A Practical Approach to Management*, 2023, pp. 109–127
83. Chen CPC, **Suputtitada A***. Prolotherapy at Multifidus Muscle versus Mechanical Needling and Sterile Water Injection in Lumbar Spinal Stenosis. *J Pain Res*. 2023 Jul 18;16:2477-2486. doi: 10.2147/JPR.S417444.
84. **Suputtitada A.*** Emerging theory of sensitization in post-stroke muscle spasticity. *Front Rehabil Sci*. 2023 Sep 15;4:1169087. doi: 10.3389/fresc.2023.1169087.

85. **Suputtitada A**, Chen JL, Wu CK, Peng YN, Yen TY, Chen CPC*. Determining the Most Suitable Ultrasound-Guided Injection Technique in Treating Lumbar Facet Joint Syndrome. *Biomedicines*. 2023 Dec 14;11(12):3308. doi: 10.3390/biomedicines11123308.
86. **Suputtitada A***, Avellanet M and Winston P. Editorial: Emerging concepts and evidence in novel approaches for spasticity management. *Front. Rehabil. Sci.* 2023; 4:1327346. doi: 10.3389/fresc.2023.1327346
87. Tangjade A, **Suputtitada A***, Pacheco-Barrios K, Fregni F. Non-invasive neuromodulation combined with rehabilitation therapy improves balance and gait speed in patients with stroke: A Systematic Review and Network Meta-analysis. *Am J Phys Med Rehabil*. 2024 Jan 31. doi: 10.1097/PHM.0000000000002439. Epub ahead of print.
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89. **Suputtitada A***, Chatromyen S, Chen CPC, Simpson DM. Best Practice Guidelines for the Management of Patients with Post-Stroke Spasticity: A Modified Scoping Review. *Toxins (Basel)*. 2024 Feb 10;16(2):98. doi: 10.3390/toxins16020098.
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95. Chen CP, **Suputtitada A.*** Regenerative and Drug-Free Strategies for Chronic Musculoskeletal Pain: An Evidence-Based Perspective on Shockwave Therapy, High-Intensity Laser Therapy and Ultrasound-Guided Mechanical Needling with Sterile Water Injection. *Biomedicines* 2025, 13, 2801. <https://doi.org/10.3390/biomedicines13112801>.

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116. Thimabut N, Janchai S, Teeramongkonrasamee A., **Suputtitada A.** Development of simple and portable device for plantar pressure measurement for improvement of foot assessment. *Chula Med J* 2014;58:223-34.
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Awards

International Awards

1. International Speaker Award from Toxin Society in the year 2008
2. Award of excellence for the research entitled "Vibratory sensory testing in carpal tunnel syndrome: correlations with electrodiagnostic parameters and disease severity" from the Asea Oceanian Congress of Neurophysiology on April 14-18,2009
3. Award of Excellence from the 4th AOCPRM for the research entitled "Efficacy of Alcohol neurolysis for ankle spasticity proven by novel of Motion analysis "in the year 2014.
4. Award of Excellence for Significant Social Contribution and Being Chairperson of Medical Advisors at Fr. Ray Foundation and Foundation for People with Disabilities (International) From Her Royal Highness Princess Maha Chakri Sirindhorn in the Year 2016
5. Honorary Award of Recognition from the International Society of Physical and Rehabilitation Medicine (ISPRM) for being "Chair of ISPRM Women and Health" and has significant development of ISPRM during 2014-2016.
6. Honorary Award of Recognition from the 2ND NOVEL PHYSIOTHERAPIES DURING 9-11 JUNE, 2016 AT LONDON, UNITED KINGDOM for the significant scientific excellence in physical and rehabilitation medicine
7. Honorary Award of Recognition from the 4TH INTERNATIONAL CONFERENCE AND EXHIBITION ON PHYSICAL MEDICINE & REHABILITATION ON AUGUST 24-26, 2016 PHILADELPHIA, PENNSYLVANIA, USA for the significant scientific excellence in physical and rehabilitation medicine
8. Certificate of Reviewing Award February 2017 for Journal Experimental Gerontology from Journal Experimental Gerontology
9. Certificate of Recognition for Phenomenal and worthy Keynote Presentation of the " 6th Edition of International Conference on Pain Management " on 26-28 March 2018 , Vienna, Austria from EuroSciCon and the Editors of Journal of Headache and Pain Management, International Journal of Anesthesiology & Pain Medicine and Journal of Medical research and Health Education

10. The Ageing Asia Global Ageing Influencer Award from Ageing Asia & Asia Pacific Eldercare at The 6th Eldercare Innovation Award 2018, Singapore.
11. The Distinguished Service Award in recognition for organization of "Transcranial Magnetic Stimulation for Neurorehabilitation and Chronic pain Syndrome Conditions" and chairtable contributions to Father Ray Foundation and Redemptorist Foundation for People wit Disabilities on December 3rd 2018.
12. The Distinguished expert at the International Rehabilitation Canton Forum, China
13. The Ageing Asia Global Ageing Lifetime Influencer Award from Ageing Asia & Asia Pacific Elder care
14. Outstanding Speaker at the 13th international Society of Physical and Rehabilitation Medicine Congress, Kobe, Japan, June 9-13, 2019
15. The Award of Service Commendation as the ACRM Pain Rehabilitation Networking Group CoChair 2020 from American Congress of Rehabilitation Medicine (ACRM)
16. The Award of Excellence in Online Teaching for the Brilliant Speech on "Novel Ultrasound guided Injection for Chronic Spinal Stenosis" from the International Rehabilitation Canton Forum 2021 on 10-12 March 2021
17. The Award of Excellence in Online Teaching for the Brilliant Speech on "Pain and Sensitization on Low Back Pain" from the Asia-Pacific International Rehabilitation Forum Conference 2021 on 6-8 May 2021
18. The Award of Service Commendation as the ACRM Pain Rehabilitation Networking Group CoChair 2021 from American Congress of Rehabilitation Medicine (ACRM)
19. The Award of Excellence in Online Teaching for the Brilliant Speech on "Innovative Mechanical Needling and Sterile Water Injection for Calcification and Fibrosis Removal" from the AsiaPacific International Rehabilitation Forum Conference 2022
20. The Award of Service Commendation as the ACRM Pain Rehabilitation Networking Group Executive Committee 2022 from American Congress of Rehabilitation Medicine (ACRM)
21. The Award of Excellent Presentation "Has delivered outstanding speeches on "Optimizing Botulinum Toxin for Clinical Use" and "Innovative Rehabilitation for Spinal Pain". Anddemonstratedexceptional hands-on skills "at the 8th Asian Oceania Conference of Physical and Rehabilitation Medicine (AOCPRM) 2023, Chengdu, China, October 6-9,2023.
- 22. The award of "International Council for Caring Communities (ICCC) Caring Citizen of the Year at the United Nations" received on April 24,2024 at the World Creativity and Innovation Day "Recognition of World Leaders" at The UN headquarters, New York, USA.**
- 23. The award of "International Society of Physical and Rehabilitation Medicine (ISPRM) Individual Honor Roll Member" received on June 4,2024 at the World Congress of ISPRM in Sydney, Australia.**
- 24. The award of " Site/Group Director: Award of Excellence 2025" from Principles and Practice of Clinical Research (PPCR), Harvard T.H. Chan School of Public Health, Harvard University, Boston, USA**
- 25. The award of "Outstanding Teacher Assistant 2025" from Principles and Practice of Clinical Research (PPCR), Harvard T.H. Chan School of Public Health, Harvard University, Boston, USA**

National Awards

26. Excellent Scientific Award: The Project "Spasticity and Dystonia Clinic" from Royal College of Thai Rehabilitation Medicine Association in the Year 2001.
27. The best researcher of Ratchadapiseksompotch Award of the Year 2002 from Chulalongkorn University: The project "Effectiveness of Neurorehabilitation at Thai Red Cross Rehabilitation Center"
28. The best researcher of Ratchadapiseksompotch Award of the Year 2003 from Chulalongkorn University: The project "Effectiveness of constraint-induced movement technique of unaffected upper extremity in chronic stroke patients"
29. Research Award: The project "Local botulinum toxin type A injection in the treatment of spastic toes." from Royal College of Thai Rehabilitation Medicine association in the Year 2003

30. Research Award: The project "Effectiveness of low dose botulinum toxin in the treatment of spasticity in adult patients." from Royal College of Thai Rehabilitation Medicine association in the Year 2003.
31. Research Award: The project "Effect of exercise in pregnancy on maternal and fetal health" from Royal College of Thai Rehabilitation Medicine Association in the Year 2003.
32. Excellent Research Award: The project "Effect of exercise in pregnancy on maternal and fetal health" from Ministry of Health in the Year 2004.
33. Excellent Research Award: The project "Effectiveness of constraint-induced movement therapy in chronic stroke patients" from Royal College of Thai Rehabilitation Medicine Association in the Year 2004
34. The best researcher of Ratchadapiseksompotch Award of the Year 2004 from Chulalongkorn University. The project : "The clinical trial to find the lowest effective dose of botulinum toxin type A in upper limb spasticity of cerebral palsied children"
35. Research Award: The project "Effectiveness of low dose botulinum toxin in various movement disorders" from King Chulalongkorn Memorial Hospital in the Year 2004.
36. Ratchdapiseksompotch Fund Excellence Award for Professorship from Chulalongkorn University in the year 2006
37. Award of Excellence in Scientific Work from Faculty of Medicine, Chulalongkorn University in the year 2009
38. Award of Excellence in the project "A design and development of an electronic flexibility testing equipment for elderly" from National Health Promotion Association and Ministry of Tourism and Sport in the Year 2010.
39. Award of Excellence in the innovation" CU walking" from Innovation Section of Thailand National Research Fund Organization in the year 2014.
40. Award of Excellence in Scientific Work from Faculty of Medicine, Chulalongkorn University in the year 2016
41. Award of Excellence in Scientific Work from Faculty of Medicine, Chulalongkorn University in the year 2018
42. Award of Excellence in Scientific Work from Faculty of Medicine, Chulalongkorn University in the year 2019
43. Award of Excellence in Scientific Work from Faculty of Medicine, Chulalongkorn University in the year 2020
44. Award of Excellence in Scientific Work from Faculty of Medicine, Chulalongkorn University in the year 2021
45. Award of Excellence in Scientific Work from Faculty of Medicine, Chulalongkorn University in the year 2023
46. Award of Excellence in Scientific Work from Faculty of Medicine, Chulalongkorn University in the year 2024
47. Award of valuable contribution to Mahachulalongkornrajavidyalaya University (MCU), Thailand on 28th June 2024
48. Award of Excellence in Scientific Work from Faculty of Medicine, Chulalongkorn University in the year 2025

INTERNATIONAL INVITED SPEAKERS AND INVITED CHAIRPERSON

2025

1. Invited speaker in the topic "*Mindfulness Meditation in Loneliness: A Path to Healing* " at the UN Symposium "Challenging the Loneliness Epidemic: Prevention and Solutions" at the 19th World Congress of ISPRM during 2-7 November, 2025 at Marakesh, Morocco.
2. Invited speaker in the topic "*Beyond Prevalence: The Global Comorbid Burden of Cardiovascular and Pulmonary Conditions in Persons with Disabilities*" at the Symposium "Cardiovascular and Pulmonary Diseases in Individuals with Disabilities: Opportunities to Enhance Outcomes" at the 19th World Congress of ISPRM during 2-7 November, 2025 at Marakesh, Morocco.
3. Invited speaker in the topic "*Innovative Non-Surgical Approach for Removing Calcification and Fibrosis in Neuromusculoskeletal Joints*" at the Symposium " Innovative Non-Surgical Therapies for Pain and Functional Recovery" at the 19th World Congress of ISPRM during 2-7 November, 2025 at Marakesh, Morocco.
4. Invited speaker in the topic "*Pelvic Floor Anatomy: Bones, Muscles, Nerves*" at the workshop " Chronic Pelvic Pain" at the 19th World Congress of ISPRM during 2-7 November, 2025 at Marakesh, Morocco.
5. Invited speaker in the topic "*Pelvic Floor Anatomy: The initial Evaluation: Pelvic Floor History and Examination*" at the workshop " Chronic Pelvic Pain" at the 19th World Congress of ISPRM during 2-7 November, 2025 at Marakesh, Morocco
6. Invited speaker in the topic "*Optimization of Shockwave Therapy, High-Intensity Laser Therapy, and Ultrasound-Guided Mechanical Needling with Sterile Water Injection for Pain Syndrome in Musculoskeletal Pathology: Evidence, Mechanisms, and Clinical Protocols*" at the International Pain Congress Practicum during 25-26 October 2025 at Almaty, Kazakhstan.
7. Invited speaker in the masterclass (workshop) "*Optimization of Shockwave Therapy, High-Intensity Laser Therapy, and Ultrasound-Guided Mechanical Needling with Sterile Water Injection for Pain Syndrome in Musculoskeletal Pathology: Evidence, Mechanisms, and Clinical Protocols*" at the International Pain Conference during 25-26 October 2025 at Almaty, Kazakhstan.
8. Invited speaker in the topic " *Advances in Stroke Rehabilitation*" in the session " *Reducing Post-Stroke Death and Disability*" at the Asia Pacific Stroke Conference 2025 during 13-15 September ,2025 at Kobe, Japan.
9. Invited speaker in the topic " *Application of Transcranial Magnetic Stimulation (TMS) for Stroke Rehabilitation*" in the session " *Post Stroke Rehabilitation*" at the Asia Pacific Stroke Conference 2025 during 13-15 September ,2025 at Kobe, Japan.
10. Invited Speaker in the topic "*Ultrasound-Guided Mechanical Needling and Sterile Water Injection for Calcification and Fibrosis Removal*" at the Grand Rounds, Johns Hopkins University School of Medicine, Baltimore, USA, on 28 May 2025.
11. Invited Speaker in the topic "*Applying Sensitization Theory to Enhance the Effectiveness of Regenerative Therapies*" at AOCPRM 2025, Symposium 17, Penang, Malaysia, on 21 August 2025.
12. Invited Speaker in the topic "*Climate Change and Challenges for Individuals with Disabilities*" at Physiatry 2025 (AAP Annual Meeting), Denver, USA, on 27 February 2025.
13. Invited Speaker in the topic "*Innovative Calcification and Fibrosis Removal*" at the Windsor Dialogues Series, St. George's House, Windsor Castle, UK, 31 March 2025.

2024

14. Invited Keynote Speaker in the topic "*Rehabilitation Medicine for Aging and Disabilities: Evidence and Experiences*" at the Taiwan PMR Annual Meeting, Taipei, Taiwan, on 9–10 March 2024.
15. Invited Speaker in the topic "*Mechanical Needling and Sterile Water Injection for Calcification and Fibrosis in Musculoskeletal and Neuro-Rehabilitation*" at Chang Gung Memorial Hospital, Taipei, Taiwan, on 13 March 2024.
16. Invited Speaker in the topic "*Botulinum Toxin and Multimodal Treatments for Functional Recovery in Post-Stroke Spasticity*" at TOXINS 2024 (7th International Conference), Berlin, Germany, on 17–20 January 2024.
17. Invited Plenary Speaker in the topic "*Mastering Post-Stroke Spasticity with Best Evidence for Optimal Patient Care*" and Chair of the Q&A Session at the Spasticity X International Conference, Houston, USA, on 24–26 October 2024.

18. Invited Co-Chair and Speaker in the session *"Future Directions in Cost-effective Spasticity Management: Insights and Innovations from Global Experts"* at the Neurological Institute of Thailand (NIT)–ISPRM Special Event, Bangkok, Thailand, on 3 December 2024.
19. Invited Panelist in the session *"Best Practices in PRM Board Certification: USA and Asia."* at the 18th World Congress of ISPRM, Sydney, Australia, on 1–6 June 2024.
20. Invited Speaker in the Luminary Session on *"Advanced Spinal Segmental Sensitization in Pain Management (Advances in Technology)."* at the 18th World Congress of ISPRM, Sydney, Australia, on 1–6 June 2024.
21. Invited Panelist in the session *"Medical Leadership: Finding Course in a Sea of Change."* at the 18th World Congress of ISPRM, Sydney, Australia, on 1–6 June 2024.
22. Invited Panelist in the session *"Gender in Neurorehabilitation"* at the 18th World Congress of ISPRM, Sydney, Australia, on 1–6 June 2024.
23. Invited Panelist in the session *"Gender in Pain."* at the 18th World Congress of ISPRM, Sydney, Australia, on 1–6 June 2024.

2023

24. Invited Keynote Speaker in the topic *"Advancement of Segmental Neuromyotherapy Using Mechanical Needling and Sterile Water Injection"* at the Asia Oceanian Congress of Neurorehabilitation 2023 (AOCNR 2023), Bangkok, Thailand, 13–16 December 2023
25. Invited Chairperson of Plenary Lecture 3 *"Emerging Therapies in Stroke Rehabilitation"* at the AOCNR 2023, Bangkok, Thailand, 13–16 December 2023.
26. Invited Chairperson of Educational Session *"New Innovation in Parkinson's Disease Treatment"* at the AOCNR 2023, Bangkok, Thailand, 13–16 December 2023.
27. Invited Chairperson of Panel Discussion (Spasticity) *"Thai Clinical Practice Guidelines for Spasticity Management in Stroke and Cerebral Palsy"* at the AOCNR 2023, Bangkok, Thailand, 13–16 December 2023.
28. Invited Chairperson of Educational Session (Spasticity) *"State of the Art in Botulinum Toxin Injection and Neurolysis for Enhanced Stroke Recovery"* at the AOCNR 2023, Bangkok, Thailand, 13–16 December 2023.
29. Invited Chairperson of Short Workshop (Ultrasound Demonstration and Video) *"Ultrasound in Common Spinal Nerve Entrapment"* at the AOCNR 2023, Bangkok, Thailand, 13–16 December 2023.
30. Invited Speaker of Short Workshop (Ultrasound Demonstration and Video) *"Ultrasound in Common Spinal Nerve Entrapment"* at the AOCNR 2023, Bangkok, Thailand, 13–16 December 2023.
31. Invited Chairperson of Oral Presentations: Geriatric Neurorehabilitation *"Research and Innovation Awards Competition"* at the AOCNR 2023, Bangkok, Thailand, 13–16 December 2023.
32. Invited Chairperson of Oral Presentations: Pediatric and Adult Neurorehabilitation *"Research and Innovation Awards Competition"* at the AOCNR 2023, Bangkok, Thailand, 13–16 December 2023.
33. Invited Main Judge, E-Poster Presentation *"Pediatric Rehabilitation and Ultrasonography"* at the AOCNR 2023, Bangkok, Thailand, 13–16 December 2023.
34. Invited Main Judge, E-Poster Presentation *"Neurorehabilitation Engineering and SCI"* at the AOCNR 2023, Bangkok, Thailand, 13–16 December 2023.
35. Invited Main Judge, E-Poster Presentation *"Geriatric Neurorehabilitation and Dysphagia"* at the AOCNR 2023, Bangkok, Thailand, 13–16 December 2023.
36. Invited Main Judge, E-Poster Presentation *"Stroke Rehabilitation and Neuromodulation"* at the AOCNR 2023, Bangkok, Thailand, 13–16 December 2023.
37. Invited Speaker in the topic *"Celebrating the International Day of Persons with Disabilities 2023: Arts as Agents of Change"* at the ISPRM–UN–ICCC–Chula Virtual Conference of the International Disability Day, 3 December 2023.
38. Invited Speaker in the topic *"Transcranial Magnetic Stimulation"* at the 10th Webinar of the Asia Pacific Stroke Organisation (APSO), 25 October 2023.
39. Invited Workshop Speaker *"Demonstration of Botulinum Toxin Type A Injection Guided by Ultrasound, Electromyography and Electrical Stimulation"* at the 8th Asian Oceania Conference of Physical and Rehabilitation Medicine (AOCPRM 2023), Chengdu, China, 6–9 October 2023.

40. Invited Symposium Speaker *"Optimizing Botulinum Toxin for Clinical Use"* at the AOCPRM 2023, Chengdu, China, 6–9 October 2023.
41. Invited Symposium Speaker *"Innovative Rehabilitation for Spinal Pain"* at the AOCPRM 2023, Chengdu, China, 6–9 October 2023.
42. Invited Chairperson in the Symposium *"Pediatric Rehabilitation and the ICF and Education"* at the AOCPRM 2023, Chengdu, China, 6–9 October 2023.
43. Invited Chair and Speaker in the session *"ISPRM Women and Health"* in the topic *"Challenges in the Management of Unsuccessful Women's Rehabilitation Treatments"* at the 17th ISPRM World Congress, Cartagena, Colombia, 5–8 June 2023.
44. Invited Chair and Speaker in the session *"Balance Rehabilitation Engineering"* in the topic *"Balance Rehabilitation Engineering — Physiatrist Approaches"* at the 17th ISPRM World Congress, Cartagena, Colombia, 5–8 June 2023.
45. Invited Chair in the session *"Rehabilitation Approach in Specific Problems in Geriatric Patients"* at the 17th ISPRM World Congress, Cartagena, Colombia, 5–8 June 2023.
46. Invited Speaker in the topic *"Rehabilitation for Longevity in Buddhist Perspective"* at the International Forum on *"Dharma and Longevity"*, Bangkok, Thailand, 28 January 2023.

2022

47. Invited Chairperson (Two-Day Teaching Course) *"Emerging Concepts and Evidence Basis behind Novel Approaches to Managing Chronic Spinal Pain"* at the 98th American Congress of Rehabilitation Medicine (ACRM) Virtual Congress, 6–7 November 2022.
48. Invited Speaker in the topic *"Emerging Theory of Sensitization in Chronic Spinal Pain"* at the 98th ACRM Virtual Congress, 6–7 November 2022.
49. Invited Speaker in the topic *"Approach to Patients with Chronic Spinal Pain with Peripheral Sensitization"* at the 98th ACRM Virtual Congress, 6–7 November 2022.
50. Invited Speaker in the topic *"Novel Ultrasound-Guided Injections for Chronic Spinal Stenosis"* at the 98th ACRM Virtual Congress, 6–7 November 2022.
51. Invited Speaker in the topic *"Approach to Patients with Chronic Spinal Pain with Central Sensitization"* at the 98th ACRM Virtual Congress, 6–7 November 2022.
52. Invited Speaker in the topic *"Chronic Spinal Pain: Case Discussions"* at the 98th ACRM Virtual Congress, 6–7 November 2022.
53. Invited Speaker in the topic *"Innovative Mechanical Needling and Sterile Water Injection for Calcification and Fibrosis Removal"* at the Asia-Pacific International Rehabilitation Forum Conference, 28–30 May 2022.
54. Invited Speaker in the session *"Pain — ISPRM Women and Health"* in the topic *"Innovative Rehabilitation of Chronic Pelvic Pain"* at the 16th ISPRM World Congress, Lisbon, Portugal, 3–7 June 2022.
55. Invited Speaker in the session *"New Trends in PRM Intervention"* in the topic *"Advanced Theory and Intervention for Chronic Pain in Women"* at the 16th ISPRM World Congress, Lisbon, Portugal, 3–7 June 2022.
56. Invited Speaker in the session *"ISPRM–UN Liaison Committee"* in the topic *"Age of Hyperconnectivity — Transforming Rural Rehabilitation for Persons with Disabilities in Thailand"* at the 16th ISPRM World Congress, Lisbon, Portugal, 3–7 June 2022.

2021

57. Invited Speaker in the topic *"Innovative Rehabilitation for the Future World"* at the International Forum *"The New World Initiative"*, online, 5 December 2021.
58. Invited Speaker in the topic *"Emerging Theory of Sensitization in Chronic Spinal Pain"* at the 98th ACRM Virtual Congress, 24–25 September 2021.
59. Invited Speaker in the topic *"Approach to Patients with Chronic Spinal Pain with Peripheral Sensitization"* at the 98th ACRM Virtual Congress, 24–25 September 2021.
60. Invited Speaker in the topic *"Novel Ultrasound-Guided Injections for Chronic Spinal Stenosis"* at the 98th ACRM Virtual Congress, 24–25 September 2021.
61. Invited Speaker in the topic *"Approach to Patients with Chronic Spinal Pain with Central Sensitization"* at the 98th ACRM Virtual Congress, 24–25 September 2021.
62. Invited Speaker in the topic *"Chronic Spinal Pain: Case Discussions"* at the 98th ACRM Virtual Congress, 24–25 September 2021.

63. Invited Chairperson (Two-Day Teaching Course) *"Emerging Concepts and Evidence Basis behind Novel Approaches to Managing Chronic Spinal Pain"* at the 98th ACRM Virtual Congress, 24–25 September 2021.
64. Invited Speaker in the topic *"Botulinum Toxin: Treatment for Spasticity"* at the PGE *"Handicap, Spasticity and Botulinum Toxin"*, 25 June 2021.
65. Invited Speaker in the topic *"Botulinum Toxin: Treatment in Movement Disorders"* at the PGE *"Handicap, Spasticity and Botulinum Toxin"*, 25 June 2021.
66. Invited Speaker in the session *"Tips of Diagnosis and Treatment of Chronic Pelvic Pain in Women"* at the 15th ISPRM World Congress, Orlando, USA (virtual), 12–15 June 2021.
67. Invited Speaker in the session *"Sensitization in Chronic Pelvic Pain"* at the 15th ISPRM World Congress, Orlando, USA (virtual), 12–15 June 2021.
68. Invited Chairperson in the session *"Advanced Concepts and Rehabilitation Approaches for Chronic Pelvic Pain in Women"* at the 15th ISPRM World Congress, Orlando, USA (virtual), 12–15 June 2021.
69. Invited Speaker in the session *"COVID-19 and Beyond: An ISPRM–UN Partnership in Enhancing the Well-Being of the Aging Population"* at the 15th ISPRM World Congress, Orlando, USA (virtual), 12–15 June 2021.
70. Invited Speaker (Online Teaching) in the topic *"Emerging Theory of Sensitization in Chronic Pain"* at the Asia-Pacific International Rehabilitation Forum 2021, China, 8–10 May 2021.
71. Invited Speaker (Online Teaching) in the topic *"Novel Ultrasound-Guided Injections for Chronic Spinal Stenosis"* at the International Rehabilitation Canton Forum 2021, Quanzhou, China, 10–12 March 2021.

2020

72. Invited Speaker in the topic *"COVID-19 and the Aging Population: Finding Light at the End of the Tunnel"* at the ISPRM–UN–ICCC Virtual Conference of the International Disability Day, 3 December 2020.
73. Invited Speaker in the topic *"Chronic Pain Management: An Integrative, Complementary Perspective"* at the 97th ACRM Virtual Congress, 19–25 October 2020.
74. Invited Speaker in the topic *"Emerging Theory of Sensitization in Chronic Spinal Pain"* at the 97th ACRM Virtual Congress, 19–25 October 2020.
75. Invited Speaker in the topic *"Approach to Patients with Chronic Spinal Pain with Peripheral Sensitization"* at the 97th ACRM Virtual Congress, 19–25 October 2020.
76. Invited Speaker in the topic *"Novel Ultrasound-Guided Injections for Chronic Spinal Stenosis"* at the 97th ACRM Virtual Congress, 19–25 October 2020.
77. Invited Speaker in the topic *"Advanced Pain Intervention for Spinal Stenosis"* at the AOCPRM Virtual Congress 2020, 17–18 July 2020.
78. Invited Speaker in the session *"Optimizing Botulinum Toxin in Neurological Conditions"* at the NeuroRehab Webinar, Indian Federation of Neurorehabilitation, April 2020.
79. Invited Speaker in the session *"Adjuvant Therapies to Enhance Botulinum Toxin Injection for Focal Spasticity"* at the 14th ISPRM World Congress, Orlando, USA, 4–9 March 2020.
80. Invited Speaker in the session *"Novel Advancements in the Treatment of Musculoskeletal Pain"* at the 14th ISPRM World Congress, Orlando, USA, 4–9 March 2020.
68. Invited Speaker in the session *"Leaving No One Behind: A Meaningful UN–ISPRM Partnership"* at the 14th ISPRM World Congress, Orlando, USA, 4–9 March 2020.

2019

81. Invited Speaker in the session *"Chat with the Experts: Neurofeedback & Transcranial Stimulation — Differences, Theory, and Evidence"* at the 96th American Congress of Rehabilitation Medicine (ACRM), Chicago, USA, 5–8 November 2019.
82. Invited Speaker in the teaching course *"Novel Cognitive Aging Rehabilitation with Transcranial Direct Current Stimulation (tDCS)"* at the 96th ACRM, Chicago, USA, 5–8 November 2019.
83. Invited Speaker in the topic *"Transcranial Direct Current Stimulation (tDCS) and Transcranial Magnetic Stimulation (TMS)"* at the 16th Myanmar Rehabilitation Medicine Conference, Yangon, Myanmar, 3–5 October 2019.
84. Invited Speaker in the topic *"Emerging Theory of Sensitization in Chronic Pain"* at the 16th Myanmar Rehabilitation Medicine Conference, Yangon, Myanmar, 3–5 October 2019.

85. Invited Speaker in the topic "*Neuromodulation and Brain Plasticity: Evidences and Experiences*" at the 16th Myanmar Rehabilitation Medicine Conference, Yangon, Myanmar, 3–5 October 2019.
86. Invited Chairperson in the symposium "*Innovative Evidence-Based Rehabilitation for Common Problems in Women*" at the 13th ISPRM World Congress, Kobe, Japan, 9–13 June 2019.
87. Invited Speaker in the topic "*Noninvasive Neuromodulation for Fibromyalgia*" at the 13th ISPRM World Congress, Kobe, Japan, 9–13 June 2019.
88. Invited Speaker in the topic "*Emerging Theory of Sensitization in Chronic Pain*" at the 13th ISPRM World Congress, Kobe, Japan, 9–13 June 2019.
89. Invited Speaker in the topic "*Novel Cognitive Aging Rehabilitation with tDCS*" at the International Ageing Asia Innovation Forum, Singapore, 14–15 May 2019.
90. Invited Speaker in the topic "*Neuromodulation for Spasticity*" at the Canadian Advances in Neuro-Orthopaedics for Spasticity (CANOSC), Vancouver, Canada, 5–6 April 2019.
91. Invited Speaker in the topic "*Spasticity Practice Pearls in Thailand*" at CANOSC, Vancouver, Canada, 5–6 April 2019.
92. Invited Speaker in the topic "*Improving Effectiveness of Rehabilitation Programs for Chronic Musculoskeletal Pain*" at Sun Yat-sen University, Quanzhou, China, 1 April 2019.
93. Invited Speaker in the topic "*Improving Effectiveness of Rehabilitation Programs for Chronic Musculoskeletal Pain*" at the International Rehabilitation Canton Forum, Quanzhou, China, 30 March–1 April 2019.
94. Invited Speaker in the topic "*Update: Challenges in Health and Fitness for Professional Women*" at the 3rd International Conference on Obesity and Metabolic Diseases, Bangkok, Thailand, 25–26 March 2019.
95. Invited Chairperson in the symposium "*Stroke Rehabilitation*" at CaRehab 2019, Singapore, 21–22 February 2019.
96. Invited Chairperson in the symposium "*Pain Management: Approaches to Chronic Pain*" at CaRehab 2019, Singapore, 21–22 February 2019.
97. Invited Speaker in the topic "*Improving Effectiveness of Rehabilitation Programs for Chronic Musculoskeletal Pain*" at CaRehab 2019, Singapore, 21–22 February 2019.

2018

98. Invited Speaker in the topic "*Evidence-Based Medicine in Transcranial Magnetic Stimulation (TMS) for Neurorehabilitation and Chronic Pain Syndrome*" at the International Conference on TMS for Neurorehabilitation and Chronic Pain, Bangkok, Thailand, 3 December 2018.
99. Invited Chairperson in the symposium "*Neurological and Aging Rehabilitation*" at the 6th Asian Oceania Conference of Physical and Rehabilitation Medicine (AOCPRM), Auckland, New Zealand, 21–24 December 2018.
100. Invited Chairperson and Speaker in the symposium "*Advanced Ultrasound-Guided Botulinum Toxin Injections to the Salivary Glands*" at AOCPRM 2018, Auckland, New Zealand, 21–24 December 2018.
101. Invited Keynote Speaker in the topic "*tDCS for Neurorehabilitation*" at the 6th International Conference on Physiotherapy, Bangkok, Thailand, 19–20 November 2018.
102. Invited Chairperson in the session "*Health Care in Spinal Cord Injury*" at the 17th ASEAN Spinal Cord Networking (ASCON) Congress, Yangon, Myanmar, 9–11 December 2018.
103. Invited Speaker in the topic "*Noninvasive Brain Stimulation for Functional Recovery in Spinal Cord Injury*" at ASCON 2018, Yangon, Myanmar, 9–11 December 2018.
104. Invited Speaker in the topic "*Noninvasive Brain Stimulation for Neuropathic Pain in Spinal Cord Injury*" at ASCON 2018, Yangon, Myanmar, 9–11 December 2018.
105. Invited Speaker in the topic "*Novel Use of Extracorporeal Shockwave Therapy for Musculoskeletal Pain Conditions*" at the 95th ACRM, Dallas, USA, 30 September–3 October 2018.
106. Invited Speaker in the topic "*Myofascial Pain Syndrome and Sensitization for Nursing Care*" at the 8th Nursing Care and Midwifery Congress, Prague, Czech Republic, 10–11 September 2018.
107. Invited Speaker in the topic "*Exercise in Pregnancy: Evidence and Experiences*" at the 8th Nursing Care and Midwifery Congress, Prague, Czech Republic, 10–11 September 2018.
108. Invited Speaker in the topic "*Noninvasive Neuromodulation for Neurorehabilitation*" at the First Mongolian Neurorehabilitation Congress, Ulaanbaatar, Mongolia, 16–17 August 2018.

109. Invited Speaker in the topic "*Single Event Multilevel Chemoneurolysis for Neurorehabilitation*" at the First Mongolian Neurorehabilitation Congress, Ulaanbaatar, Mongolia, 16–17 August 2018.
110. Invited Speaker in the topic "*Novel Approaches to Muscle Pain and Sensitization in Women*" at the 12th ISPRM World Congress, Paris, France, 9–12 July 2018.
111. Invited Chairperson in the session "*Advanced Rehabilitation of Common Problems in Women*" at the 12th ISPRM World Congress, Paris, France, 9–12 July 2018.
112. Invited Chairperson in the session "*Parkinson's Disease and Movement Disorders*" at the 12th ISPRM World Congress, Paris, France, 9–12 July 2018.
113. Invited Speaker in the topic "*Broadening the Horizons through Global PRM Exchange*" at the 12th ISPRM World Congress, Paris, France, 9–12 July 2018.
114. Invited Chairperson in the session "*Neural Repair and Neurorehabilitation*" at the 9th Annual World Congress of NeuroTalk, Bangkok, Thailand, 16–18 May 2018.
115. Invited Speaker in the topic "*Pain and Sensitization*" at the 9th Annual World Congress of NeuroTalk, Bangkok, Thailand, 16–18 May 2018.
116. Invited Speaker in the topic "*The Next Decade of Ageing Rehabilitation*" at the Future of Eldercare Operations Seminar, Singapore, 15–16 May 2018.
117. Invited Speaker in the topic "*Novel Use of Extracorporeal Shockwave Therapy and High-Power Laser Therapy in Musculoskeletal Pain*" at the International Rehabilitation Canton Forum, Guangzhou, China, 2–4 April 2018.
118. Invited Speaker in the topic "*Novel Use of Extracorporeal Shockwave Therapy and High-Power Laser Therapy in Musculoskeletal Pain*" at the Pain Management 2018 Conference, Vienna, Austria, 26–28 March 2018.
119. Invited Speaker in the topic "*Myofascial Pain Syndrome and Sensitization*" at the Pain Management 2018 Conference, Vienna, Austria, 26–28 March 2018.
120. Invited Speaker in the topic "*Myofascial Pain Syndrome and Sensitization*" at CaRehab 2018, Singapore, 16–17 March 2018.
121. Invited Speaker in the topic "*Novel Therapies for Spasticity*" in the Workshop on Spasticity at the 10th World Congress of Neurorehabilitation (WCNR), Mumbai, India, 7–10 February 2018.

2017

122. Invited Speaker in the topic "*Novel Use of Extracorporeal Shockwave Therapy and High-Power Laser Therapy in Musculoskeletal Pain Conditions*" at the 5th International Conference on Physiotherapy, Dubai, UAE, 27–29 November 2017.
123. Invited Chairperson in the symposium "*Neurorehabilitation and Women's Health Care*" at the 5th International Conference on Physiotherapy, Dubai, UAE, 27–29 November 2017.
124. Invited Speaker in the topic "*Myofascial Pain Syndrome and Sensitization*" at the 8th ASEAN Rehabilitation Medicine Congress, Yangon, Myanmar, 7–10 November 2017.
125. Invited Speaker in the topic "*Sonoelastography for Research in Myofascial Pain Syndrome*" at the 8th ASEAN Rehabilitation Medicine Congress, Yangon, Myanmar, 7–10 November 2017.
126. Invited Facilitator in the *Ultrasound-Guided Botulinum Toxin Injection, Cadaveric and Hands-on Training Course* at the University of Fribourg, Switzerland, 3–4 November 2017.
127. Invited Speaker in the Keynote Forum "*Future of Rehabilitation Medicine in Thailand*" at FINPRO, Helsinki, Finland, 17–20 October 2017.
128. Invited Speaker in the topic "*Myofascial Pain Syndrome and Sensitization*" at the International Myopain Congress 2017, Bangalore, India, 5–8 October 2017.
129. Invited Speaker in the topic "*Novel Management of Myopain Conditions*" at the International Myopain Congress 2017, Bangalore, India, 5–8 October 2017.
130. Invited Chairperson in the session "*Extracorporeal Shockwave Therapy for Myopain Conditions*" at the International Myopain Congress 2017, Bangalore, India, 5–8 October 2017.
131. Invited Speaker in the topic "*Pain and Desensitization for Easier Movement*" at Palmetto Health Center, South Carolina, USA, 27 September 2017.
132. Invited Speaker in the topic "*Pain and Sensitization*" at the Pain Conference, Dallas, USA, 25 September 2017.
133. Invited Speaker in the topic "*Cueing Devices for Improving Gait Ability in Parkinson's Disease*" at Singapore Rehabilitation Medicine, Singapore, 7–8 August 2017.

134. Invited Expert of Rehabilitation Medicine at the Ageing Asia Innovation Forum, Singapore, 2–27 April 2017.
135. Invited Speaker in the topic “*Novel Use of Extracorporeal Shockwave Therapy in Musculoskeletal Pain*” at the International Symposium of Rehabilitation Medicine, Guangzhou, China, 29 March–2 April 2017.

2016

136. Invited Keynote Speaker in the topic “*Update: Novel Therapies of Spasticity*” at the 4th International Conference and Exhibition on Physical Medicine & Rehabilitation, Philadelphia, USA, 24–26 August 2016.
137. Invited Speaker in the topic “*Myofascial Pain Syndrome and Sensitization*” at the 4th International Conference and Exhibition on Physical Medicine & Rehabilitation, Philadelphia, USA, 24–26 August 2016.
138. Invited Chairperson in the session “*Women and Health*” at the 4th International Conference and Exhibition on Physical Medicine & Rehabilitation, Philadelphia, USA, 24–26 August 2016.
139. Invited Expert Physiatrist at the Olympic Games 2016, Rio de Janeiro, Brazil, 8–21 August 2016.
140. Invited Speaker in the topic “*Novel Use of Extracorporeal Shockwave Therapy in Spasticity*” at New York University, New York, USA, 29 June 2016.
141. Invited Speaker in the topic “*Clinical Gait Analysis in Parkinson’s Disease*” at the University of Central Lancashire, Preston, United Kingdom, 13 June 2016.
142. Invited Keynote Speaker in the topic “*Sensitization in Myofascial Pain Syndrome*” at the 2nd Novel Physiotherapies Conference, London, United Kingdom, 9–11 June 2016.
143. Invited Speaker in the topic “*Novel Use of Extracorporeal Shockwave Therapy in Musculoskeletal Pain*” at the 2nd Novel Physiotherapies Conference, London, United Kingdom, 9–11 June 2016.
144. Invited Chairperson and Speaker in the Workshop “*Novel Use of Extracorporeal Shockwave Therapy in Musculoskeletal Pain*” at the 10th ISPRM World Congress, Kuala Lumpur, Malaysia, 29 June–2 July 2016.
145. Invited Chairperson in the ISPRM Session “*PRM Intervention*” and Invited Speaker in the topic “*Novel Use of Extracorporeal Shockwave Therapy in Rehabilitation Medicine*” at the 10th ISPRM World Congress, Kuala Lumpur, Malaysia, 29 June–2 July 2016.
146. Invited Speaker in the topic “*Practical Balance Testing in Research and Clinical Use*” at the International Biophilia Rehabilitation Academy (BIOPHILIA 2016), Keio University, Japan, 27–28 April 2016.
147. Invited Speaker in the topic “*Cueing Devices for Improving Gait Ability in Parkinson’s Disease and Other Motor Disorders*” at Stanford University, USA, 23 April 2016.
148. Invited Speaker and Brainstorming Facilitator in “*Rehabilitation Perspectives of High-Level Meeting*” at the Windsor Consultant Meeting, Windsor, United Kingdom, 11–13 April 2016.
149. Invited Speaker in the topic “*Embryology Concept of Spinal Sensitization*” at the International Symposium of Rehabilitation Medicine, Guangzhou, China, 25–27 March 2016.

2015

150. Invited Speaker in the session “*Best of ISPRM*” in the topic “*Novel Use of Extracorporeal Shockwave Therapy (ESWT) in PRM*” at the ISPRM Summit, Suzhou, China, 20–23 August 2015.
151. Invited Speaker in the topic “*Optimization of Botulinum Toxin and Neurolysis in Spasticity to Reduce Resource Utilization*” at the 9th ISPRM World Congress, Berlin, Germany, 19–23 June 2015.
152. Invited Chairperson in the session “*Spasticity*” at the 9th ISPRM World Congress, Berlin, Germany, 19–23 June 2015.
153. Invited Chairperson in the session “*Poster Presentation in Neurorehabilitation*” at the 9th ISPRM World Congress, Berlin, Germany, 19–23 June 2015.
154. Invited Speaker in the keynote lecture “*Spasticity Management: How to Optimize*” at the Physical Medicine 2015 Meeting, San Antonio, USA, 18–20 May 2015.
155. Invited Chairperson in the symposium “*Pain in Women*” at the Physical Medicine 2015 Meeting, San Antonio, USA, 18–20 May 2015.

156. Invited Speaker in the topic "*Spinal Segmental Sensitization and Myofascial Pain Syndrome: Evidences and Experiences*" at the Physical Medicine 2015 Meeting, San Antonio, USA, 18–20 May 2015.
157. Invited Speaker in the topic "*Spasticity Management: How to Optimize*" at the International Symposium of Rehabilitation Medicine, Guangzhou, China, 27–29 March 2015.

2014

158. Invited Speaker in the topic "*Spasticity Evaluation and Management*" at the 4th Asian Oceania Conference of Physical and Rehabilitation Medicine (AOCPRM), Bangkok, Thailand, 10–13 December 2014.
159. Invited Chairperson in the plenary session "*New Perspectives in Musculoskeletal Pain*" at the 4th AOCPRM, Bangkok, Thailand, 10–13 December 2014.
160. Invited Chairperson in the symposium "*Shockwave Therapy and High-Intensity Laser*" at the 4th AOCPRM, Bangkok, Thailand, 10–13 December 2014.
161. Invited Chairperson in the session "*Guided Poster with Expert*" at the 4th AOCPRM, Bangkok, Thailand, 10–13 December 2014.
162. Invited Chairperson in the session "*Free Papers*" at the 4th AOCPRM, Bangkok, Thailand, 10–13 December 2014.
163. Invited Speaker in the topic "*Botulinum Toxin A Therapy for Migraine: Is It Evidence?*" at the 13th Annual Scientific Meeting of the Indonesia PMR Association, Jakarta, Indonesia, 3–7 November 2014.
164. Invited Speaker in the topic "*Could Botox Injection Improve Gait in Cerebral Palsy?*" at the 13th Annual Scientific Meeting of the Indonesia PMR Association, Jakarta, Indonesia, 3–7 November 2014.
165. Invited Speaker in the topic "*Optimization of Botulinum Toxin and Neurolysis in Spasticity to Reduce Resource Utilization*" at the 8th ISPRM World Congress, Cancún, Mexico, 1–5 June 2014.
166. Invited Chairperson in the session "*Women and Health*" at the 8th ISPRM World Congress, Cancún, Mexico, 1–5 June 2014.
167. Invited Speaker in the topic "*Novel Extracorporeal Shockwave Therapy with Therapeutic Exercises to Improve Quality of Life in Knee OA*" at the 8th ISPRM World Congress, Cancún, Mexico, 1–5 June 2014.
168. Invited Speaker in the topic "*The PRM International Exchange and Education (Thailand Perspective)*" at the 8th ISPRM World Congress, Cancún, Mexico, 1–5 June 2014.
169. Invited Speaker in the topic "*Novel Gait Analysis and Gait Rehabilitation in Parkinson's Disease*" at the International Symposium of Rehabilitation Medicine, Guangzhou, China, 29–30 March 2014.
170. Invited Speaker in the topic "*Optimizing Botulinum Toxin, Neurolysis, and Neurorehabilitation in Spasticity*" at the Singapore Rehabilitation Conference, Singapore, 27–29 March 2014.

2013

159. Invited Speaker in the topic "*How to Optimize Botulinum Toxin and Neurolysis in Spasticity*" at the 10th Rehabilitation Medicine Conference, Yangon, Myanmar, 10–13 October 2013.
160. Invited Speaker in the topic "*Guidance of Botulinum Toxin Injection*" at the 10th Rehabilitation Medicine Conference, Yangon, Myanmar, 10–13 October 2013.
161. Invited Speaker in the topic "*Clinical Gait Analysis in Neurorehabilitation Medicine*" at the 10th Rehabilitation Medicine Conference, Yangon, Myanmar, 10–13 October 2013.
162. Invited Speaker in the topic "*How to Optimize Botulinum Toxin and Neurolysis in Spasticity*" at the 8th International Congress of Trauma, Kraków, Poland, 4–6 September 2013.
163. Invited Speaker in the topic "*The Lowest Effective Dose of Botulinum Toxin in Detrusor Sphincter Dyssynergia*" at the 8th International Congress of Trauma, Kraków, Poland, 4–6 September 2013.
164. Invited Speaker in the topic "*How to Optimize Botulinum Toxin and Neurolysis in Spasticity*" at the 4th Thai–Myanmar Conference, Yangon, Myanmar, 24 August 2013.
165. Invited Speaker in the topic "*Experiences with Persons with Disabilities in Thailand*" at the 29th International Congress of the Medical Women's International Association, Seoul, Korea, 31 July–3 August 2013.
166. Invited Speaker in the topic "*Exercise in Pregnancy: Evidence and Experience*" at the 29th International Congress of the Medical Women's International Association, Seoul, Korea, 31 July–3 August 2013.

August 2013.

167. Invited Speaker in the topic *"Rehabilitation in Parkinson's Disease: Evidences and Experiences"* at the 7th ISPRM World Congress, Beijing, China, 17–20 June 2013.

168. Invited Speaker in the topic *"Botulinum Toxin A in Spasticity: Indications and Practical Considerations"* at REHAB TECH ASIA & Singapore Rehabilitation Conference, Singapore, 27–28 March 2013.

2012

169. Invited Speaker in the topic *"Novel Clinical Gait Analysis in Rehabilitation Medicine: Beyond the Naked Eye"* at the International Convention on Rehabilitation Engineering & Assistive Technology (iCreate 2012), Singapore, 24–26 July 2012.

170. Invited Speaker in the topic *"Pediatric Rehabilitation: Spasticity Management with Single-Event Multi-Level Chemoneurolysis with Botulinum Toxin A and Phenol/Alcohol"* in the education course *"Spasticity in Cerebral Palsy"* at the 3rd AOCPRM, Bali, Indonesia, 21–25 May 2012.

171. Invited Speaker in the topic *"Clinical Experience of Botulinum Toxin and Neurolysis in Spasticity"* in the symposium *"Spasticity"* at the 3rd AOCPRM, Bali, Indonesia, 21–25 May 2012.

2011

172. Invited Chairperson in the *WHO Women and Health Task Force* at the ISPRM Board of Governors Meeting, 6th ISPRM World Congress, San Juan, Puerto Rico, 12–16 June 2011.

2010

173. Invited Chairperson in the *WHO Women and Health Task Force* at the 8th Mediterranean Physical and Rehabilitation Medicine Congress, Limassol, Cyprus, 29 September–2 October 2010.

174. Invited Chairperson in the plenary session *"Spasticity"* at the ASEAN Neurorehabilitation Congress, Pattaya, Thailand, 5–8 December 2010.

175. Invited Chairperson in the free paper session *"Neurorehabilitation"* at the ASEAN Neurorehabilitation Congress, Pattaya, Thailand, 5–8 December 2010.

176. Invited Chairperson in the poster session *"Guided Poster Tour"* at the ASEAN Neurorehabilitation Congress, Pattaya, Thailand, 5–8 December 2010.

177. Invited Chairperson and Speaker in the workshop *"Neuromuscular Problems in Cerebral Palsy"* at the ASEAN Neurorehabilitation Congress, Pattaya, Thailand, 5–8 December 2010.

178. Invited Chairperson and Speaker in the luncheon symposium *"Novel Clinical Gait Analysis in Spasticity and Movement Disorders"* at the ASEAN Neurorehabilitation Congress, Pattaya, Thailand, 5–8 December 2010.

179. Invited Speaker in the workshop *"Gait Analysis in Neurorehabilitation: Beyond the Naked Eye"* at the ASEAN Neurorehabilitation Congress, Pattaya, Thailand, 5–8 December 2010.

180. Invited Chairperson in the free paper session *"Lower Extremity Loading in Human Performance"* at the 6th World Congress of Biomechanics, Singapore, 1–6 August 2010.

2009

181. Invited Speaker in the topic *"How to Optimize Botulinum Toxin Treatment"* in the education course *"Spasticity and Pain"* at the 19th World Congress of Neurology, Bangkok, Thailand, 24–30 October 2009.

182. Invited Chairperson in the free paper session *"Neurorehabilitation"* at the 19th World Congress of Neurology, Bangkok, Thailand, 24–30 October 2009.

183. Invited Chairperson in the free paper session *"Movement Disorders: Treatment"* at the 19th World Congress of Neurology, Bangkok, Thailand, 24–30 October 2009.

184. Invited Speaker in the topic *"Role of Electromyography in Planning and Guidance of Botulinum Toxin Injection in Cervical Dystonia"* at the International SFEMG Course & 10th Quantitative EMG Conference, Venice, Italy, 6–10 May 2009.

2008

185. Invited Speaker in the topic *"Evidence-Based Medicine of Botulinum Toxin in Spasticity"* in the education course *"Spasticity"* at the 1st AOCPRM, Nanjing, China, 16–19 May 2008.

186. Invited Speaker in the topic *"Update on Spasticity Management"* at the University of Malaya, Kuala Lumpur, Malaysia, 6 May 2008.

2007

- 187. Invited Speaker in the workshop “*The Use of Botulinum Toxin in Spasticity*” at the ASEAN Neurological Association Meeting, Phetchaburi, Thailand, 3–5 March 2007.
- 188. Invited Speaker in the panel session “*Experience of Botulinum Toxin in Cervical Dystonia*” at the International Spasticity Expert Meeting, Istanbul, Turkey, 7–11 June 2007.
- 189. Invited Speaker in the panel session “*Experience of Botulinum Toxin in Spasticity*” at the Asian Spasticity Expert Meeting, Singapore, 11 August 2007.
- 190. Invited Speaker in the panel session & workshop “*Experience of Botulinum Toxin in Spasticity*” at the Mid-Year Convention of the Rehabilitation Medicine Association, Manila, Philippines, 31 August 2007.
- 191. Invited Speaker in the panel session “*Experience of Botulinum Toxin in Spasticity*” at the Asian Spasticity Expert Meeting, Taipei, Taiwan, 17 November 2007.

2005

- 192. Invited Speaker in the topic “*Botulinum Toxin in Cerebral Palsied Children*” at the Institute Pediatrik Hospital Kuala Lumpur, Malaysia, 23 May 2005.
- 193. Invited Speaker in the topic “*Botulinum Toxin in Spasticity*” at Kuala Lumpur University, Kuala Lumpur, Malaysia, 23 May 2005.
- 194. Invited Speaker in the topic “*Experience of Botulinum Toxin in Upper Limb Spasticity of Cerebral Palsied Children*” at the 3rd ISPRM World Congress, São Paulo, Brazil, 10–15 April 2005.

2004

- 195. Invited Speaker in the workshop “*The Use of Botulinum Toxin in Children with Cerebral Palsy*” at the Neuropediatric Department, Hospital UKM & Hospital Selayang, Kuala Lumpur, Malaysia, 16–17 July 2004.

2003

- 196. Invited Speaker in the workshop “*Evaluation & Management of Adult Spasticity*” at Cipto Mangunkusumo Teaching Hospital, Jakarta, Indonesia, 19–20 July 2003.
- 197. Invited Speaker in the panel session “*Experience of Low-Dose Botulinum Toxin in Spasticity*” at the Asian Spasticity Advisory Board Meeting, Kuala Lumpur, Malaysia, 21–23 June 2003.
- 198. Invited Speaker in the topic “*Experience of Botulinum Toxin in Spastic Toes and Feet*” at the 2nd ISPRM World Congress, Prague, Czech Republic, 18–22 May 2003.
- 199. Invited Chairperson in the free paper session “*Posture and Balance*” at the 2nd ISPRM World Congress, Prague, Czech Republic, 18–22 May 2003.
- 200. Invited Speaker in the panel session “*Experience of Botulinum Toxin in Therapeutic Indications*” at the Asia Neurotoxin Forum, Seoul, Korea, 11–12 January 2003.

2001

- 201. Invited Speaker in the workshop “*The Use of Botulinum Toxin in Children with Cerebral Palsy*” at the Neuropediatric Department, Hospital UKM & Hospital Selayang, Kuala Lumpur, Malaysia, 15–16 July 2001.
- 202. Invited Speaker in the panel session “*Clinical Use of Botulinum Toxin Type A: Spasticity & Cervical Dystonia*” at the International Combined Meeting of the Faculty of Medicine, Chulalongkorn University (42nd Annual Meeting), King Chulalongkorn Memorial Hospital & the Thai Physicians Association of America, Bangkok, Thailand, 25–29 June 2001.
- 203. Invited Speaker in the panel session “*Experience of Botulinum Toxin in the Treatment of Cerebral Palsy in Thailand*” at *Spasticity Management Meeting*, Kuala Lumpur, Malaysia, 6–7 April 2001.

1999

- 204. Invited Speaker in the workshop “*Spasticity Management with Botulinum Toxin A*” at the Workshop on Spinal Cord Paralysis: Long-Term Care, Chiang Mai, Thailand, 22–26 November 1999.
- 205. Invited Speaker in the workshop “*Spasmodic Torticollis and Writer’s Cramp*” at the 3rd Biennial Convention of the ASEAN Neurological Association & 39th Annual Meeting of the Neurological Society of Thailand, Chiang Mai, Thailand, 3–5 February 1999.

Edited articles

1. Vassiliu P, Patoulis F, Naar L, Dendias G, Arkadopoulos N. Case report: Sacral nerve root pelvic neural retraining, with long-term sustainability after the device explantation. *Front Rehabil Sci.* **2021**;2:655400. doi:10.3389/fresc.2021.655400. [PubMed+1](#)
2. Churilov I, Churilov L, Brock K, Murphy D, Metcalfe R, Ekinici EI. The association between sarcopenia and functional improvement in older and younger patients who completed inpatient rehabilitation. *Front Rehabil Sci.* **2021**;2:692896. doi:10.3389/fresc.2021.692896. [Frontiers+1](#)
3. Nadal-Castells MJ, López-Nicolás R, Ríos-Jiménez R, Peralta-Moreno M, Segura-Fraguas M, Royuela A, et al. Effectiveness of lymphedema prevention programs with or without compression garments after axillary lymph node dissection in breast cancer: randomized clinical trial. *Front Rehabil Sci.* **2021**;2:727256. doi:10.3389/fresc.2021.727256. [Frontiers+2PubMed+2](#)
4. De Marchis C, Ranavolo A, Vecchia TD, Santambrogio C, Serrao M, Tartarelli AF, et al. Characterizing the gait of people with different types of amputation and prosthetic components through gait analysis: a perspective. *Front Rehabil Sci.* **2022**;3:804746. doi:10.3389/fresc.2022.804746. [Frontiers+1](#)
5. Mayrhuber L, Rietveld T, de Vries W, van der Woude LHV, de Groot S, Vegter RJK. A scoping review on shoulder injuries of wheelchair tennis players: potential risk-factors and musculoskeletal adaptations. *Front Rehabil Sci.* **2022**;3:862233. doi:10.3389/fresc.2022.862233. [PubMed](#)
6. Frossard L, Conforto S, Aszmann OC. Editorial: Bionics limb prostheses: advances in clinical and prosthetic care. *Front Rehabil Sci.* **2022**;3:950481. doi:10.3389/fresc.2022.950481. (Special Issue editorial you handled.) [Frontiers](#)
7. Klenow TD, Hafner BJ, Morgan SJ, Fergason JR. An enhancement of the Genium™ microprocessor-controlled knee improves safety and different aspects of the perceived prosthetic experience for unilateral and bilateral users. *Front Rehabil Sci.* **2024**;4:1342370. doi:10.3389/fresc.2024.1342370. [Frontiers+1](#)
8. Alshahrani A, Reddy S, Ravi S. Chronic low back pain and postural instability: interaction effects of pain severity, age, BMI, and disability. *Front Public Health.* **2025**;13:1497079. doi:10.3389/fpubh.2025.1497079. [Frontiers+2PMC+2](#)
9. An K, Wang Z, Wu J, Liu M, Han Z, Ma L, et al. Shared decision making in sarcopenia treatment. *Front Public Health.* **2023**;11:1296112. doi:10.3389/fpubh.2023.1296112. [Frontiers+2PMC+2](#)
10. Zhang C, Liu B, Wei Q, Qiu C, Wu F. Global, regional, and national burden of low back pain in working-age population from 1990 to 2021 and projections for 2050. *Front Public Health.* **2025**;13:1559355. doi:10.3389/fpubh.2025.1559355. [Frontiers+2PubMed+2](#)
11. Zheng X, Han W, Liu M, Liu L, Ma M, Ye Z, et al. Incidence, prevalence, and disease burden of low back pain in China: data from the Global Burden of Disease database. *Front Public Health.* **2025**;13:1563823. doi:10.3389/fpubh.2025.1563823. [Frontiers+1](#)
12. Brindisino F, Saleh P, Cash C, Lewis J, Palese A, Bonavita J, Rossetini G. Shoulder pain: to image or not to image? *Front Rehabil Sci.* **2025**;4:1624056. doi:10.3389/fresc.2025.1624056. [Frontiers+1](#)
13. Shao Y, Lin Z, Shi Y, He L, Han D, Liu Z. Effectiveness of Fu's subcutaneous needling combined with muscle energy technique for postpartum perineal pain: randomized controlled trial. *Front Med (Lausanne).* **2025**;12:1609500. doi:10.3389/fmed.2025.1609500. [Frontiers+1](#)
14. Allam NM, Alsirhani H, Alruwaili MB, Dosh DM, Alruwaili HM, Almazyad WH, et al. Effect of laser acupuncture on pain, range of motion, and function in patellofemoral pain syndrome: a randomised controlled trial. *Front Med (Lausanne).* **2025**;12:1613197. doi:10.3389/fmed.2025.1613197. [Frontiers+1](#)