

Curriculum Vitae (CV)

Name Benchaporn Aneksan (Aree-uea)
Position Lecturer
Work Faculty of Physical Therapy
Mahidol University
999 Phuttamonthon 4 Road,
Salaya, Nakhon Pathom 73170, THAILAND
Telephone (work) (66)2-441-5450 ext 21101
Fax (66)2-441-5454
Telephone (mobile) (66)9-8750-5699, (66)6-5494-9966
E-mail address benchaporn.ane@mahidol.edu

Education

- 2012-2015 Ph.D. (Neuroscience), Khon Kaen University, Khon Kaen, Thailand
- 2010-2012 M.Sc. (Neuroscience), Khon Kaen University, Khon Kaen, Thailand
- 2004-2008 B.Sc. (Physiotherapy), Khon Kaen University, Khon Kaen, Thailand

Positions & Working Experiences

- 2015-Present Instructor in courses for B.Sc., M.Sc., and Ph.D. (Physical Therapy) Programs, Faculty of Physical Therapy, Mahidol University.
- 2015-Present Physical Therapist and instructor, Physical Therapy Center (Salaya), Faculty of Physical Therapy, Mahidol University.
- 2015-Present Physical Therapist and instructor, Acute Stroke Unit, Siriraj Hospital, Thailand
- 2009-2010 Physical Therapist, Khon Kaen Hospital
- 2008-2009 Physical Therapist, Phyathai 3 Hospital

Participation and training

- 13-16 January 2020 Training in “Lymph Drainage Therapy 1 (LDT1)” certificate from Chikly Health Institute, Saint Louis College, Thailand

- 5-6 January 2020 Training in “Stroke Rehabilitation: Home-Based Application” Rangsit University, Thailand
- 7-9 May 2018 Training in “Breathing as a key management for MS disorders: Advanced manual techniques for improving breathing pattern” Faculty of Physical Therapy, Mahidol University, Thailand
- 8 August 2018 Participated in workshop “The 5th PTMURS 2018 research and Innovation 4.0” Faculty of Physical Therapy, Mahidol University, Thailand
- 29 May-1 June 2017 Training in “Diagnostic Screening For Physical Therapy” Mahidol University, Thailand
- 27 April-15 June 2017 Training in Kinematic Linkage Imbalance (K.L.M.B) “primary Body Center Stabilizers (lumbo-pelvic) back to toe” Faculty of Physical, Therapy Mahidol University, Thailand
- 28 June 2016 Participated in workshop WCPT-AWP&PTAT Congress 2017 “Moving towards health, longevity and sustainability” Bangkok International Trade & Exhibition Center (BITEC) Bangkok, Thailand
- 19 December 2015 Training in “Dance Movement Training for Caregiver of Patient with Parkinson’s Disease” Faculty of Physical, Therapy Mahidol University, Thailand

Teaching Courses

- PTPT 190 Contemplative Education for Physical Therapy 1
- PTPT 208 Physical Therapy evaluation and diagnosis
- PTPT 209 Transfer techniques, ambulation and massage
- PTPT 210 Neuroanatomy
- PTPT 211 Physiology
- PTPT 215 Therapeutic exercise 1
- PTPT 216 Therapeutic exercise 2
- PTPT 290 Contemplative Education for Physical Therapy 2
- PTPT 311 Physical Therapy in Neurological System 1
- PTPT 312 Physical Therapy in Neurological System 2
- PTPT 313 Motor control and learning
- PTPT 495 Research project
- PTPT 615 Physical Therapy Seminar
- PTPT 658 Essential Knowledge in Physical Therapy I
- PTPT 662 Research methodology and statistical analysis

- PTPT 667 Advanced motor control and motor learning
- PTPT 676 Independent Research Study

Awards & Funding

- 2018-Present Transcranial Direct Current Stimulation in Rehabilitation Research Fund from National Research Council of Thailand 2018, 2019
- 2015 The best poster award for outstanding scientific research and excellent Poster presentation in The 1st Asia-Oceanian Congress for Neurorehabilitation, Seoul, Korea.
- 2015 Invitation research Grant of faculty of Medicine Khon Kaen University For Ph.D.
- 2012-2015 Research Fund for Supporting Lecturer to Admit High Potential Student to Study and Research on His Expert Program and Khon Kaen University Research Grant to for Ph.D.
- 2010-2012 The Grants of the Noninvasive Brain Stimulation Research Group and The Grants of North-Eastern Neuroscience Association, Thailand and Invitation research Grant of faculty of Medicine Khon Kaen University for M.Sc.

Research Interest

- Noninvasive brain stimulation (transcranial direct current stimulation) in neurological diseases
- Physical therapy management for stroke patients

Professional Memberships

- 2008-Present The Physical Therapy Council of Thailand

Publications

International Publications:

1. Prathum T, Piriyaprasarth P, **Aneksan B**, Hiengkaew V, Pankhaew T, Vachalathiti R, Klomjai W. Effects of home-based dual-transcranial direct current stimulation combined with exercises on upper and lower limb motor performances in chronic stroke. **Disabil Rehabil** 2021;1-12. doi: 10.1080/09638288.2021.1891464
2. Auvichayapat N, Patjanasootorn N, Phuttharak W, Suphakunpinyo C, Keeratitanont K, Tunkamnerdthai O, **Aneksan B**, Klomjai W, Boonphongsathian W, Sinkueakunkit A, Punjaruk W, Tiamkao S, Auvichayapat P. Brain Metabolite Changes After Anodal Transcranial Direct Current Stimulation in Autism Spectrum Disorder. **Front Mol Neurosci** 2020; doi:10.3389/fnmol.2020/00070
3. Jitkaew P, **Aneksan B**, Hiengkaew V, Klomjai W. The Effects of Dual-Transcranial Direct Current Stimulation Combined with Conventional Physical Therapy on Upper and Lower Limb Motor Performances in Acute Stroke. **Proceeding of The International Physical Therapy Research Symposium 2020**. 4 June 2020.
4. Prathum T, **Aneksan B**, Klomjai W, Hiengkaew V, Vachalathiti R, Piriyaprasarth P. Effects of Home-Based Dual-transcranial Direct Current Stimulation on Motor Functions in Individuals with Chronic Stroke. **Proceeding of The International Physical Therapy Research Symposium 2020**. 4 June 2020.
5. Sawatdipan M, Klomjai W, Tretriluxana J, Bovonsunthonchai S, Vachalathiti R, **Aneksan B**. The Effect of Five Sessions of Dual-Transcranial Direct Current Stimulation on Gait Performance in Sub-acute Stroke. **Proceeding of The International Physical Therapy Research Symposium 2020**. 4 June 2020.
6. Auvichayapat P, Keeratitanont K, **Aneksan B**, Jensen MP, Tammaroj J, Arayawichanon P, Tunkamnerdthai O, Boonphongsathian W, Auvichayapat N. The Effects of Transcranial Direct Current Stimulation on Metabolite Changes at the Thalamus in Neuropathic Pain after Spinal Cord Injury: A Pilot Study. **J Med Assoc Thai** 2019; 102 (1):71-7

7. Klomjai W, **Aneksan B**, Pheungphrarattanatrai A, Chantanachai T, Choowong N, Bunleukhet S, et al. Effect of single-session dual-tDCS before physical therapy on lower-limb performance in sub-acute stroke patients: A randomized sham-controlled crossover study. **Ann Phys Rehabil Med** 2018.
8. Amatachaya A, Jensen MP, Patjanasontorn N, Auvichayapat N, Suphakunpinyo C, Janjarasjitt S, Ngernyam N, **Aree-uea B**, Auvichayapat P. The short-term effects of transcranial direct current stimulation on electroencephalography in children with autism: a randomized crossover controlled trial. **Behav Neurol** 2015; 928631. doi:10.1155/2015/928631.
9. Ngernyam N, Jensen MP, Arayawichanon P, Auvichayapat N, Tiamkao S, Janjarasjitt S, Punjaruk W, Amatachaya A, **Aree-Uea B**, Auvichayapat P. The effects of transcranial direct current stimulation in patients with neuropathic pain from spinal cord injury. **Clin Neurophysiol** 2014; Jun 21. pii: S1388-2457(14)00315-doi:10.1016/j.clinph.2014.05.034. [Epub ahead of print]
10. Amatachaya A, Auvichayapat N, Patjanasontorn N, Suphakunpinyo C, Ngernyam N, **Aree-uea B**, Keeratitanont K, Auvichayapat P. Effect of anodal transcranial direct current stimulation on autism: a randomized double-blind crossover trial. **Behav Neurol** 2014; 173073. doi: 10.1155/2014/173073. Epub 2014 Oct 30.

National Publications:

1. Wongsas S, Khemsup Y, **Aneksan B**, Arunphalungsunti K, Yingjaroen S, Development of Weight-bearing and Balance Training Instrument for Stroke Patients with Standing, Walking and Balancing Abnormality. **Digital Research Information Center**, 1-62, 2017.
2. Ngernyam N, Arayawichanon P, Auvichayapat N, Tiamkao S, Sattayasai J, Janjarasjitt S, Chatthanapanich A, Punjar W, Amatachaya A, **Aree-uea B**, Auvichayapat P. The Effects of Transcranial Direct Current Stimulation in Patients with Neuropathic Pain from Spinal Cord Diseases: a Pilot Study. **Srinagarind Medical Journal**. 2013; 28(1)
3. Amatachaya A, Patjanasontorn N, Auvichayapat N, Suphakunpinyo C, Janjarasjitt S, Thuleechan W, Chueajaroen W, Ngernyam N, **Aree-uea B**, Auvichayapat P. The

Effects of Transcranial Direct Current Stimulation in Patients with Autism: a Pilot Study. **Srinagarind Medical Journal**. 2013; 28(3)

Presentations

1. Klomjai W, **Aneksan B**. Dual-transcranial direct current stimulation: before or during physical therapy? Effect on lower limb performance in sub-acute stroke. **European Congress of NeuroRehabilitation, Budapest, Hungary: 2019**. (Poster presentation)
2. **Aree-uea B**, Auvichayapat N, Janyacharoen T, Siritaratiwat W, Phuttharak W, Tunkamnerdthai O, Keeratitanon K, Amatachaya A, Boonphongsathian W, Ngernyam N, Jensen MP, Auvichayapat P. Changes in Brain Metabolites after Transcranial Direct Current Stimulation in Spastic Cerebral Palsy: A Pilot Study. **The 1st Asia-Oceanian Congress for Neurorehabilitation, Grand Hilton Seoul, Korea: 2015**. (Poster presentation)
3. Amatachaya A, Patjanasontorn N, Auvichayapat N, Suphakunpinyo C, Janjarasjitt S, Thuleechan W, Chueajaroen W, Ngernyam N, **Aree-uea B**, Auvichayapat P. The Effects of Transcranial Direct Current Stimulation in Patients with Autism; a Pilot Study. **The 7th World Congress on Controversies in Neurology, Istanbul, Turkey; 2013**. (Poster presentation)
4. Ngernyam N, Arayawichanon P, Auvichayapat N, Tiamkao S, Sattayasai J, Janjarasjitt S, Chatthanapanich A, Punjaruk W, Amatachaya A, **Aree-uea B**, Auvichayapat P. The Effects of Transcranial Direct Current Stimulation in Patients with Neuropathic Pain from Spinal Cord Injury; a Pilot Study. **The 7th World Congress on Controversies in Neurology, Istanbul, Turkey; 2013**. (Poster presentation)
5. **Aree-ueaB**, Auvichayapat N, Janyacharoen T, Iamsaard S, Prasertnoo J, Auvichayapat P. Spastic Cerebral Palsy Treated by Anodal Transcranial Direct Current Stimulation, a Pilot Study. *European Journal of Neurology*: **The 16th Congress of the European Federation of Neurological Societies, Stockholm, Sweden; 2012**. (Poster presentation)
6. **Aree-ueaB**, Ngodklang S, Amatachaya A, Auvichayapat N, Janyacharoen T, Iamsaard S, Prasertnoo J, Auvichayapat P. Effectiveness of Transcranial Direct Current Stimulation on Treatment of Spastic Cerebral Palsy. **The 1th ASEAN Plus Three Graduate Research Congress, The Graduate School, Chiang Mai University, Thailand; 2012**. (Oral presentation)