**THAI STROKE SOCIETY (TSS) ANNUAL MEETING 2022**

“Keep Moving Forward to Improve Stroke Care”

Neurosonology workshop and Integrated neuroimaging
Organized by Professor Prasop Ratanakorn Foundation,
Neurosonology Group of Thailand and Thai Stroke Society

**Tuesday 25 January 2022**

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| 08.20-08.30 | Opening remarks  
  Prof. Disya Ratanakorn, President of Neurosonology Group of Thailand  
  Sr. Col. Chesda Udommongkol, President of Thai Stroke Society         |
| 08.30-10.00 | Chair: Prof. Disya Ratanakorn, Ramathibodi Hospital  
  Co-chair: Sr. Col. Chesda Udommongkol, Phramongkutklao Hospital       |
| 08.30-09.00 | Update neurosonology for management of atherosclerotic carotid disease  
  Dr. Varuth Sudthikanueng, Siriraj Piyamaharajkarun Hospital            |
| 09.00-09.30 | Current role of TCD in management of SAH  
  Lt. Col. Sansanee Saengwanitch, Phramongkutklao Hospital               |
| 09.30-10.00 | Implementation of neurosonology for diagnosis of vertebral artery dynamic compression  
  Asst.Prof.Jesada Keandoungchan, Ramathibodi Hospital                  |
| 10.00-10.30 | Coffee break                                                           |
| 10.30-12.30 | Chair: Dr. Sorawith Jearanaisilp, Ramathibodi Hospital  
  Co-chair: Dr. Napasri Chaisinanunkul, Phyathai 1 Hospital             |
| 10.30-11.00 | Practical use of neurosonology for transient global amnesia  
  Asst. Prof Narumon Kongsakorn, HRH Princess Maha Chakri Sirindhorn Medical Center SWU |
| 11.00-11.30 | Neurovascular ultrasound for cerebral emboli detection  
  technique and application  
  Assoc. Prof Sureerat Suwatcharangkoon, Ramathibodi Hospital           |
| 11.30-12.00 | Role of ultrasonography for diagnosis of giant cell arteritis  
  Dr. Songkram Chotik-anuchit, Siriraj Hospital                           |
| 12.00-12.30 | Role of TCD in diagnosis of circulatory arrest and brain death  
  Asst. Prof Supharat Winitprichagul, Vajira Hospital                   |
| 12.30      | Lunch & Closing remarks                                               |
13.00-18.00: ASN neurosonology certification examination  
Computer room, 10th floor, Sixth Cycle Birthday of His Majesty the King Building, Phramongkutklao Hospital  
Proctors: Prof. Disya Ratanakorn, Ramathibodi Hospital  
Asst Prof. Jesada Keandoungchan, Ramathibodi Hospital

13.30-15.45: Stroke nurses symposium co-organized by Thai Stroke Nurses Society  
"Faster than Ever: Minute by minute of stroke nursing management"  
Chair: Col. Rachaneekorn Boonyachotima, Phramongkutklao Hospital  
Co-chair: Lt. Col. Sudthida Rittitada, Phramongkutklao Hospital

13.30-14.15: Neuroscience center of excellence by simulation-based training  
Mrs. Anusa Wutthikrivanit, Bangkok Hospital

| 14.15-15.45 | Oral presentations  
Chair: Lt. Col. Sudthida Rittitada, Phramongkutklao Hospital |
|-------------|---------------------------------------------------------------|
| 14.15-14.30 | Project to produce learning media for cerebrovascular disease patients  
Sqn. Ldr. Chaweewan Khunchai, Bhumibol Adulyadej Hospital |
| 14.30-14.45 | The development of registered nurses' core competencies in neurology nursing care  
Mrs. Thanpimol Kensakoo, Neurological Institute of Thailand |
| 14.45-15.00 | Oral liquid toothbrush innovation  
Mrs. Urai Kammak, Thammasat University Hospital |
| 15.00-15.15 | Nursing's roles in RAPID magnetic resonance (MR) - perfusion in selecting acute stroke patients for endovascular thrombectomy  
Miss. Puangpaka Panyo, Phyaathai 1 Hospital |
| 15.15-15.30 | Robots for evaluation elderly, stroke patients and dementia patients at home  
Mrs. Supparat Charnwut, Chulalongkorn Hospital |
| 15.30-15.45 | Mobile stroke unit  
Miss. Mananchaya Kongmuangpuk, Siriraj Hospital |
Scientific program
Wednesday 26 January 2022

07.30-08.20:  Registration

08.20-08.30:  Opening remarks
   Sr. Col. Chesda Udommongkol, President of Thai Stroke Society

08.30-10.00:  Pre-hospital and emergency settings
   Chair: Sr. Col. Chesda Udommongkol, Phramongkutklao Hospital
   Co-chair: Dr. Napasri Chaisinanunkul, Phyathai 1 Hospital

08.30-09.00:  Pragmatic approach to direct transfer to angiography suite versus drip and ship model
   Assoc Prof Yongchai Nilanont, Siriraj Hospital

09.00-09.30:  Real world implementation of telestroke in clinical practice
   Assoc Prof Aurauma Chutinet, King Chulalongkorn Memorial Hospital

09.30-10.00:  Update on emergency hemostatic strategies for intracerebral hemorrhage
   Assoc Prof Sombat Muengtaweepongs, Thammasat University Hospital

10.00-10.30:  Coffee break

10.30-11.30:  Meet the experts – From guideline to practice
   Chair: Sr. Col. Chesda Udommongkol, Phramongkutklao Hospital
   Co-chair: Assoc Prof Sombat Muengtaweepongs, Thammasat University Hospital

10.30-11.00:  2021 AHA/ASA guidelines for the prevention of stroke in patients with stroke and transient ischemic attack
   Speaker: Prof Kazunori Toyoda, Deputy Director General of the Hospital,
   National Cerebral and Cardiovascular Center, Osaka, Japan

11.00-11.30:  2019 AHA/ACC/HRS and 2020 ESC guidelines for the diagnosis and management of atrial fibrillation
   Speaker: Prof Jan Steffel, Senior Consultant in Invasive Electrophysiology and Cardiac Devices, University Hospital Zurich

11.30-12.15:  EDUCATIONAL GRANT SUPPORTED BY Thai Otsuka
   Long-term dual antiplatelet therapy using Cilostazol: When to initiate? and what regimen prefer?
   Moderator: Sr. Col. Chesda Udommongkol, Phramongkutklao Hospital
   Speaker: Prof. Kazunori Toyoda, Deputy Director General of the Hospital,
   National Cerebral and Cardiovascular Center, Osaka, Japan
12.15-13.15: LUNCHEON SYMPOSIUM SUPPORTED BY Boehringer Ingelheim (Thai) Ltd.
Treatment challenges in stroke management: Case-based discussion
Moderator: Prof Nijasri Charnnarong Suwanwela, King Chulalongkorn Memorial Hospital
Speakers: Assoc Prof Kannikar Kongbunkiat, Srinagarind Hospital
Dr Pongpat Vorasayan, King Chulalongkorn Memorial Hospital

13.15-14.00: EDUCATIONAL GRANT SUPPORTED BY Bayer
Secondary stroke prevention: Impact of treatment in prior stroke & beyond benefits of DOAC in AF with DM patients
Moderator: Sr Col Chesda Udommongkol, Phramongkutklao Hospital
Speaker: Prof Nijasri Charnnarong Suwanwela, King Chulalongkorn Memorial Hospital

14.00-14.20: Coffee break

14.20-15.50: Neuroimaging
Chair: Prof Disya Ratanakorn, Ramathibodi Hospital
Co-chair: Asst Prof Jesada Keandoungchan, Ramathibodi Hospital

14.20-14.50: Revisiting acute stoke imaging strategies and selection at PSC and CSC
Dr Sasitorn Petcharunpaisan, King Chulalongkorn Memorial Hospital

14.50-15.20: Pitfalls of acute stroke neuroimaging
Dr Rathachai Kaewlai, Siriraj Hospital

15.20-15.50: Guide for the interpretation of cerebral angiography and perfusion imaging
Assoc Prof Dittapong Songsaeng, Siriraj Hospital
### Thursday 27 January 2022

**07.30-08.30:** Registration

**08.30-10.00:** In-hospital care  
*Chair: Maj Gen Assoc Prof Samart Nidhinandana, Phramongkutklao Hospital*  
*Co-chair: Assoc Prof Sureerat Suwatcharangkoon, Ramathibodi Hospital*

**08.30-09.00:** Stroke protocol during the COVID-19 pandemic  
*Dr. Tasanee Tantirittisak, Neurological Institute of Thailand*

**09.00-09.30:** Controversies in endovascular thrombectomy: minor stroke, re-occlusion, tandem lesion, extended time window  
*Assoc Prof Ancholee Churojna, Siriraj Hospital*

**09.30-10.00:** Clinical challenges in early neurologic deterioration in acute stroke patients  
*Lt. Col. Saksit Saksoong, Phramongkutklao Hospital*

**10.00-10.30:** Coffee break

**10.30-11.30:** Meet the experts – From guideline to practice  
*Chair: Prof Pornpatr Dharmasaraja, Thammasat University Hospital*  
*Co-chair: Assoc Prof Aurauma Chutinet, King Chulalongkorn Memorial Hospital*

**10.30-11.00:** 2021 ESO guidelines on intravenous thrombolysis for acute ischemic stroke & blood pressure management in acute ischemic stroke and intracerebral hemorrhage  
*Prof Nijasri Charnnarong Suwanwela, King Chulalongkorn Memorial Hospital*

**11.00-11.30:** 2021 ESO guidelines on endarterectomy and stenting for carotid artery stenosis & covert cerebral small vessel disease  
*Maj Gen Assoc Prof Samart Nidhinandana, Phramongkutklao Hospital*

### Educational Grant Supported by Daiichi Sankyo

**11.30-12.15:**  
**EDUCATIONAL GRANT SUPPORTED BY Daiichi Sankyo**  
**EHRA2021 Practical guide focus in elderly AF patients with co-morbidities**  
*Moderator: Prof Nijasri Charnnarong Suwanwela, King Chulalongkorn Memorial Hospital*  
*Speaker: Prof Jan Steffel, Senior Consultant in Invasive Electrophysiology and Cardiac Devices, University Hospital Zurich*

### Luncheon Symposium Supported by Novo Nordisk Pharma (Thailand) Ltd.

**12.15-13.15:**  
**LUNCHEON SYMPOSIUM SUPPORTED BY Novo Nordisk Pharma (Thailand) Ltd.**  
**GLP-1 RA for the management of T2DM**  
*Moderator: Prof Nijasri Charnnarong Suwanwela, King Chulalongkorn Memorial Hospital*  
*Speakers: Assoc Prof Apiradee Srijitkamol, Siriraj Hospital*  
*Sr. Col. Chesda Udombmongkol, Phramongkutklao Hospital*
13.15-14.00: EDUCATIONAL GRANT SUPPORTED BY Pfizer
Cutting edge of stroke prevention in AF: Translating evidence into practice
Moderator: Prof. Nijasri Charannarong Suwanwela, King Chulalongkorn Memorial Hospital
Speaker: Assoc. Prof. Kannikar Kongbunkiat, Srinagarind Hospital

14.00-14.20: Coffee break

14.20-15.00: Neurovascular surgery/Neurointensive care
Chair: Maj Gen. Sirriuj Sakoolnamarka, Phramongkutklao Hospital
Co-chair: Dr. Songkram Chotik-anuchit, Siriraj Hospital

14.20-14.50: Update in surgical management of intracerebral hemorrhage and large hemispheric stroke
Assoc. Prof. Rungsak Siwanuwat, King Chulalongkorn Memorial Hospital

14.50-15.20: Neuromonitoring for advanced stroke care
Maj Dr. Panu Boontorterm, Phramongkutklao Hospital

15.20-15.50: Role of EC-IC bypass for intracranial atherosclerotic disease (ICAD); what have we learned?
Dr. Gahn Duangprasert, Thammasat University Hospital
### Friday 28 January 2022

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| 08.30-10.00 | **Uncommon/ Rare stroke**  
*Chair:* Dr. Suchat Hanchaiaphiboolkul, Neurological Institute of Thailand  
*Co-chair:* Lt. Col. Saksit Saksoong, Phramongkutklao Hospital |
| 08.30-09.00 | **COVID-19 vaccines related stroke and cerebral venous thrombosis**  
*Asst. Prof. Jesada Keandoungchun, Ramathibodi Hospital* |
| 09.00-09.30 | **Clinical consideration in management of reversible cerebral vasoconstriction syndrome and cerebral vasospasm**  
*Dr. Songkram Chotikanuchit, Siriraj Hospital* |
| 09.30-10.00 | **Testing and treatment approach in hypercoagulable state of stroke**  
*Prof. Pantep Angchaisuksiri, Ramathibodi Hospital* |
| 10.00-10.30 | **Coffee break**  
*Annual meeting of the Thai Stroke Society members*  
*Best oral presentation awards by Professor Prasop Ratanakorn Foundation and Thai Stroke Society* |
| 10.30-11.30 | **Neurorehabilitation/ Prevention**  
*Chair:* Assoc Prof. Sureerat Suwatcharangkoon, Ramathibodi Hospital  
*Co-chair:* Lt. Col. Sansanee Saengwanitch, Phramongkutklao Hospital |
| 10.30-11.00 | **Speech and language rehabilitation after stroke**  
*Asst. Prof. Dr. Kalyanee Makarabhirom, Ramathibodi Hospital* |
| 11.00-11.30 | **Prestroke/poststroke evaluation and aggressive management of cardiometabolic Disease**  
*Dr. Nitchakarn Laichuthai, King Chulalongkorn Memorial Hospital* |
| 11.30-12.15 | **EDUCATIONAL GRANT SUPPORTED BY Viatris**  
**Statin for stroke: From guidelines to practice**  
*Speaker:* Asst. Prof. Charungthai Dejthevaporn, Ramathibodi Hospital, Mahidol University |
| 12.15-13.15 | **LUNCHEON SYMPOSIUM SUPPORTED BY Celltrion Healthcare (Thailand) Ltd.**  
**Stroke due to hypertension - What should be done about it?**  
*Moderator:* Col. Chesda Udommongkol, Phramongkutklao Hospital  
*Speaker:* Asst. Prof. Jesada Keandoungchun, Ramathibodi Hospital |
13.15-14.00: EDUCATIONAL GRANT SUPPORTED BY Abbott Medical

Optimizing PFO management for stroke prevention in clinical practice
**Moderator:** Dr. Krissada Meemook, Ramathibodi Hospital
**Speakers:** Prof. Kritvikrom Durongpisitkul, Siriraj Hospital
Assoc. Prof. Sureerat Suwatcharangkoon, Ramathibodi Hospital

14.00-14.20: Coffee break

14.20-15.50: Controversies and updates
**Chair:** Sr. Col. Chesda Udommongkol, Phramongkutklao Hospital
**Co-chair:** Lt. Col. Saksit Saksoong, Phramongkutklao Hospital

14.20-14.50: Vascular cognitive impairment and dementia
**Prof. Pornpatr Dharmasaroja, Thammasat University Hospital**

14.50-15.20: Perioperative stroke evaluation and management
**Assoc. Prof. Sureerat Suwatcharangkoon, Ramathibodi Hospital**

15.20-15.50: Highlights from ESOC/WSC 2021
**Dr. Napasri Chaisinanunkul, Phyathai 1 Hospital**

15.50-16.00: Closing remarks
**Sr. Col. Chesda Udommongkol, President of Thai Stroke Society**