

SUMMARY REPORT OF THE ASEPA SEEG WORKSHOP 2024

The Asian Epilepsy Academy (ASEPA) and the Epilepsy Society of Thailand (EST) jointly organized a two-day SEEG Workshop on November 2nd and 3rd, 2024. The workshop, held at Montien Hotel Bangkok, focused on SEEG techniques and case discussions with experts in the field, particularly emphasizing temporal and insulo-perisylvian epilepsy. The program featured comprehensive lectures and case studies covering SEEG mastery, cortical anatomy, stereotaxy, electrode implantation, and surgical planning. Additionally, participants received hands-on training with SEEG trajectory software. Now, we summarize an overview of the course through the following key points.

1. Participants

We had a team of nine speakers, which included the following individuals:

1. Prof. Patrick Chauvel
2. Prof. Jorge Gonzalez-Martinez
3. Prof. Lim Kheng Seang
4. Prof. Chong Wong
5. Prof. Tak Lap Poon
6. Assoc. Prof. Chusak Limotai
7. Assoc. Prof. Piradee Suwanpakdee
8. Dr. Fong Si Lei
9. Dr. Minh-An Thuy Le

The workshop featured 22 expert tutors from various countries, including:

International Tutors:

- Andrew Neal (Australia)
- Louis Maillard (France)
- Anca Nica (France)
- Hsiang-Yu (Alice) Yu (Taiwan)
- Sasha Dionisio (Saudi Arabia)
- Seung Bong Hong (South Korea)

Thai Tutors:

- 16 distinguished professionals from leading medical institutions in Thailand



Participants

The event had 80 participants from 14 countries (Thailand, Korea, Hong Kong, Singapore, Indonesia, China, Vietnam, Saudi Arabia, India, Malaysia, Myanmar, Busan, Iran, Australia), who were divided into ten groups.



2. Content of the program

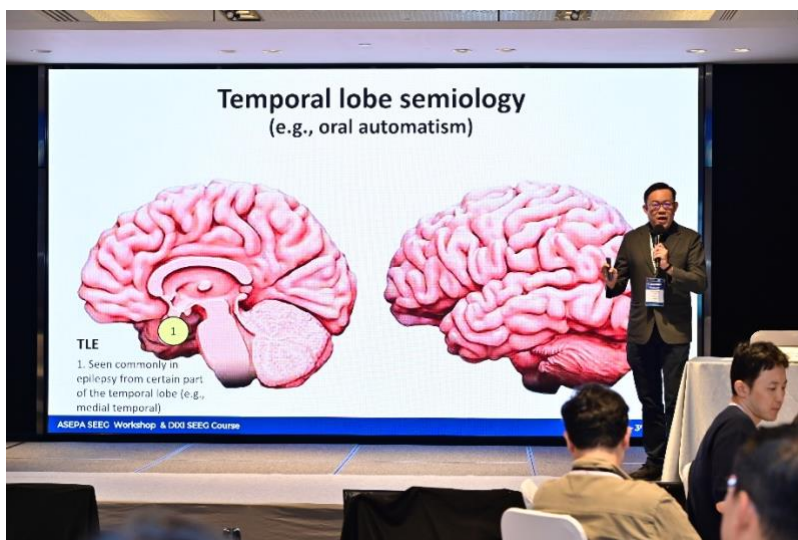
To start the course, Assoc. Prof. Kanokwan Boonyapisit welcomed the speakers and participants, followed by an introduction to the meeting format by Asst. Prof. Kamornwan Katanyuwong. Next, Professor Patrick Chauvel gave the keynote lecture on "Mastering SEEG: Insights and Applications," elaborating on the SEEG concept through presurgical data. Professor Jorge Gonzalez-Martinez then discussed cortical anatomy, stereotaxy, and electrode implantation in the temporal and insulo-perisylvian regions. Following this, Professor Kheng Seang Lim emphasized the importance of semiology in SEEG planning.



Professor Patrick Chauvel gave the keynote lecture



Professor Jorge Gonzalez-Martinez then discussed cortical anatomy, stereotaxy, and electrode implantation in the temporal and insulo-perisylvian regions



Professor Kheng Seang Lim emphasized the importance of semiology in SEEG planning

Each group then engaged in a detailed case study discussion on mesial temporal lobe epilepsy and insulo-perisylvian epilepsy, reviewing semiology, VEEG, and imaging for 60 minutes before presenting their SEEG electrode implantation strategies to the whole group. The session continued in the afternoon with a broader discussion on case and surgical planning. To conclude the first day, Professor Chong Wong and Tak Lap Poon demonstrated hands-on SEEG implantation using a robotic arm, allowing participants the opportunity for practical experience.



Professor Chong Wong and Tak Lap Poon demonstrated hands-on SEEG implantation using a robotic arm

On the second day of the ASEPA SEEG workshop, Prof. Tak Lap Poon and Prof. Chong Wong began with a session on surgical options for temporal lobe and insulo-perisylvian epilepsy. Each group then analyzed more complex temporal lobe and perisylvian epilepsy cases, proposing SEEG electrode implantation strategies. In the afternoon, Assoc. Prof. Piradee Suwanpakdee, Assoc. Prof. Chusak Limotai, and Dr. Minh-An Thuy Le shared insights on SEEG considerations in resource-limited settings (Thailand/Vietnam), followed by a review of key takeaways from the SEEG case studies.



Assoc. Prof. Piradee Suwanpakdee, Assoc. Prof. Chusak Limotai, and Dr. Minh-An Thuy Le shared insights on SEEG considerations in resource-limited settings



3. Feedback

While formal ILAE survey results are pending, initial feedback from participants has been overwhelmingly positive.

Attendees particularly appreciated:

- The comprehensive coverage of SEEG concepts
- Practical insights for establishing SEEG programs in their respective countries
- The interactive nature of the workshop
- The opportunity to learn from international experts

Participants expressed strong interest in attending future SEEG courses, highlighting the workshop's success in meeting educational objectives and professional development needs.

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Local Organizing Committee

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