

## **Report: ACNS Red River Bootcamp, Hanoi Vietnam, 8 - 9 December 2023**

The first Asian Congress of Neurological Surgeons (ACNS) Red River Bootcamp was held at the Grand Plaza Hotel, Hanoi, Vietnam on 8 and 9 December 2023. The bootcamp was attended by more than 90 Young Neurosurgeons from both Vietnam and Laos. On the first day, we conducted two hands-on workshops: cerebral vascular workshop conducted by Prof. Hidehito Kimura, and skull base drilling workshop conducted by Prof. Naoki Otani. Prof. Hidehito Kimura is Associate Professor, Department of Neurosurgery, Kobe University Graduate School of Medicine, Kobe, Japan. Prof. Naoki Otani is Clinical Professor, Division of Neurological Surgery, Department of Neurosurgery, Nihon University School of Medicine; and Vice President & Chief Manager, Center of Brain Tumor and Skull Base Lesions, Nihon University Hospital, Japan. The both workshops were attended by 35 young neurosurgeons.

The session started with an opening speech by Prof. Hidehito Kimura on behalf of the ACNS. He welcomed all participants and briefed them regarding the program on that day. All participants were given a short lecture by both speakers before the workshops. More than 40 participants attended lectures by Prof. Kimura and Prof. Naoki Otani. Prof. Kimura gave a lecture on the basic principle of cerebrovascular bypass and surgical techniques. Prof. Otani showed the anatomical landmark for anterior petrosectomy and also surgical techniques for both anterior and posterior petrosectomy. The workshops were conducted concurrently.

The vascular anastomosis and cerebral aneurysm clipping workshop was conducted by Prof. Hidehito Kimura. There were two vascular anastomosis stations and one station for cerebral aneurysm clipping. There were 15 young neurosurgeons who joined the workshop and rotated between both stations during the session. He demonstrated the technique of performing end-to-side anastomosis using artificial vessels. All participants were then performing the required vascular anastomosis with direct guidance from Prof. Kimura. He also demonstrated the correct surgical clipping technique using models by Kezlex, courtesy of Mr. Hidenori Ono, the Chairman of the Board of the Japan Medical Company, Tokyo, Japan.

Prof. Naoki Otani conducted the skull base drilling workshop using the temporal bone model C14 from the same company (Kezlex) with 4 stations and 20 young neurosurgeons. He demonstrated how to perform posterior petrosectomy and anterior petrosectomy. All participants were given one model each to do the bone drilling procedure. We ended the first day with great enthusiasm from all the participants and the teachers. We were treated by our host, the Vietnam Neurological Society (VNS), with a Gala Dinner at the Grand Plaza Hotel.

Day 2 of the bootcamp started with a speech by Prof. Hidehito Kimura on behalf of the ACNS. This was followed by a lecture from Prof. Kimura on “Current aneurysm clipping on preoperative simulation for reduced uncertainty and improved technique for ungraded safety in endovascular era”. After his lecture, Prof. Kimura chaired the whole session.

The second speaker was Prof. Nyuyen Minh Anh, Department of Neurosurgery UMC, Ho Chi Minh City, Vietnam. His lecture was “Unruptured Intracranial Aneurysm”. Prof. Hitoshi Fukuda, Department of Neurosurgery, Kochi Medical School Hospital, Japan, was the third speaker. He presented on “Validity of hybrid operating room in current neurosurgery”. He introduced the setup of an angio-equipped operating room or hybrid OR.

The fourth speaker was Prof. Tra Tan Hoanh, Department of Neurosurgery, Da Nang Hospital, Da Nang City, Vietnam. His lecture was entitled “Keyhole approaches for Sellar and Parasellar lesions”. Prof. Joji Inamasu was the next speaker; he conducted his introduction in Vietnamese which was welcomed by the audience with a big round of applause. He is currently Professor, Saiseikai Utsunomiya Hospital, Fujita Health University. He discussed “Pitfalls in the treatment of subdural hematomas associated with intracranial hypotension”. Prof. Junichi Koyama, Neurointervention Center, Kobayashi Neurosurgical Hospital, Nagano, Japan, presented his lecture “The milestone in the treatment of unruptured cerebral aneurysms through the radial artery approach (TRA)”. He presented his lecture via a video recording.

Prof. Kazumi Ohmori, Nishinomiya Watanabe Cardiovascular Center, presented “Strategy for giant aneurysms in posterior fossa”. He demonstrated the middle fossa approach, transpetrosal, translabyrinthine, transcochlear and transcondylar approaches. This was followed by Prof. Satoru Miyawaki, Department of Neurosurgery, Faculty of Medicine, University of Tokyo, Japan. He delivered his lecture entitled “Utility of the cerebellomedullary fissure approach for lesions near the fourth ventricle”.

Prof. Naoki Otani spoke on “Surgical Strategies and tips for smooth and safe resection of parasellar lesions”. The session continued with a young aspiring neurosurgeon from Symphony Clinic, Utsunomiya, Japan: Prof. Mizuho Inoue. She presented on “Skull base surgery for aspiring specialists”. Prof. Hiroki Morisako, Department of Neurosurgery, Osaka Metropolitan University Graduate School of Medicine, Osaka Metropolitan University, Osaka, Japan, lectured on “Less invasive approaches for skull base tumors”.

The session continued with Prof. Raja K. Kutty, Additional Professor, Department of Neurosurgery, Government Medical College, Trivandrum, Kerala, India. He is also Chair, ACNS Education Committee, and presented on “Post Decompressive craniectomy hydrocephalus”. He showed the link to all 416 ACNS webinars with 1,200 lectures accessed via the URL “<https://bit.ly/ACNSWebinarsYouTube>” and all the ACNS official social media platforms.

Prof. Jie Zhou, Chief of Anesthesia, Memorial Campus, University of Massachusetts School of Medicine, and Brigham and Women’s Hospital, Harvard Medical School, USA lectured via zoom on “Multidisciplinary Teamwork”. Dr Liew Boon Seng, Department of Neurosurgery, Hospital Sungai Buloh, Malaysia, presented on “Skull Base approaches in the era of minimally invasive neurosurgery” as the next speaker. Prof. VanHe Dong, host of this wonderful bootcamp, President of Vietnam Neurosurgical Society Director of Neurosurgical Center VietDuc University Hospital, Hanoi, Vietnam, delivered his lecture entitled “Pterional approach: how I do it” as the subsequent speaker.

Prof. Shiro Horisawa, Department of Neurosurgery, Tokyo Women's Medical University, Japan, spoke on “Stereotactic neurosurgery for movement disorders”. Prof. Ichiro Takumi, Chairman, Board of Directors, JCAC (Japan Clinical Association of Cannabinoids), Professor of Neurosurgery, St Marianna University School of Medicine, Kanagawa, Japan, followed Prof. Horisawa with “Trans-sylvian trans-uncal amygdalo-hippocampectomy for mesial temporal lobe epilepsy: Management to secure visual field and appropriate resection range”.

The session continued with another live session from India with Prof. Malla Bhaskara Rao, Professor and Former Head of the Department of Neurosurgery, NIMHANS, Bengaluru, India. He presented his lecture via zoom telecast entitled “Surgery for seizures”. Prof. Shunsuke Nakae, from the Fujita Health University, Japan presented on “Minimally invasive endo- and exoscopic surgery for drug resistant epilepsy in the SEEG era and surgery of the medial

temporal lobe and insula with lesions: Comparison of glioma and epilepsy surgery”. The bootcamp continued with functional workshop by Prof. Shiro Horisawa.

ACNS President Prof. Yoko Kato arrived at the venue at 4.00pm and was greeted by the host, Prof. VanHe Dong, all the speakers and delegates. She then chaired a meeting with all speakers and committee members of the Asian Congress of Neurological Nurses (ACNN). The meeting concluded with all members supporting the idea to organise similar bootcamps annually in Vietnam, which was fully supported by Prof. Vanhe Dong as the host.

Prof. Yoko Kato gave the plenary lecture entitled “Recent aneurysm treatment”. The session ended with the award ceremony. The name lists of all the recipients are shown below:

1. ACNS Red River Best Educator award: Prof. He Van Dong
2. ACNS Red River Best Teacher award: Profs. Hidehito Kimura, Naoki Otani and Shiro Horisawa
3. ACNS Red River Promising Neurosurgeon award: Profs. Nguyen Kim Chung, Vu Van Hoe and Nguyen Trong Thien
4. ACNS Red River Best Nurse: Ms Phung Thi Hanh
5. ACNS Red River best YNS awards: Drs. Nguyen Duy Linh, Bui Xuan Cuong and Sonethala Manivong
6. ACNS Red River YNS scholarships (10): Drs. Pham Khanh Toan, Tran Manh Cuong, Nguyen Hong Viet, Nguyen Duc Vu, Nguyen Hue Duc, Tran Da Xuong, Dong Van Son, Nguyen Quang Hung, Nguyen Truong Sinh and Nguyen Manh Tien.

The complete report: <https://asiancns.com/wp-content/uploads/2023/12/Report-ACNS-Red-River-Bootcamp-Hanoi-Vietnam-8th-9th-December-2023.pdf>

