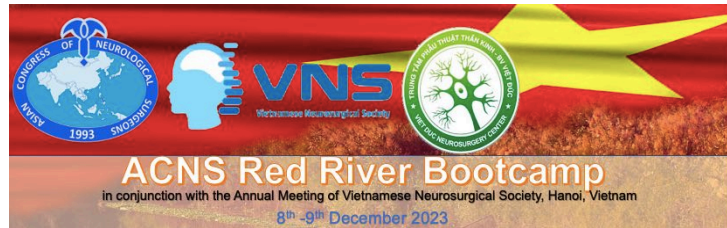


Report: ACNS Red River Bootcamp, Hanoi Vietnam, 8th-9th December 2023



The first ACNS Red River Bootcamp was held at the Grand Plaza Hotel, Hanoi, Vietnam on 8th and 9th December 2023. The bootcamp was attended by more than 90 Young Neurosurgeons from both Vietnam and Laos. On the first day of the bootcamp, we have conducted two hands-on workshops namely cerebral vascular workshop, conducted by Prof. Hidehito Kimura, and skull base drilling workshop conducted by Prof. Naoki Otani. Prof. Hidehito Kimura is the Associate Professor, Department of Neurosurgery, Kobe University Graduate School of Medicine, Kobe, Japan. Prof. Naoki Otani is the Clinical Professor, Division of Neurological Surgery, Department of Neurosurgery, Nihon University School of Medicine; and the Vice President & Chief manager, Center of the brain tumor and skull base lesions, Nihon University Hospital, Japan. The both workshops started at 2.30pm and were attended by 35 young neurosurgeons.



The session started with an opening speech by Prof. Hidehito Kimura, on behalf of the Asian Congress of Neurological Surgeons (ACNS). He welcomed all participants and briefed them regarding the program on that day. Then all participants were given a short lecture by both speakers before the start of 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. Both 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 from 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 on how to perform posterior petrosectomy and anterior petrosectomy. All participants were given one model each to do the bone drilling procedure.



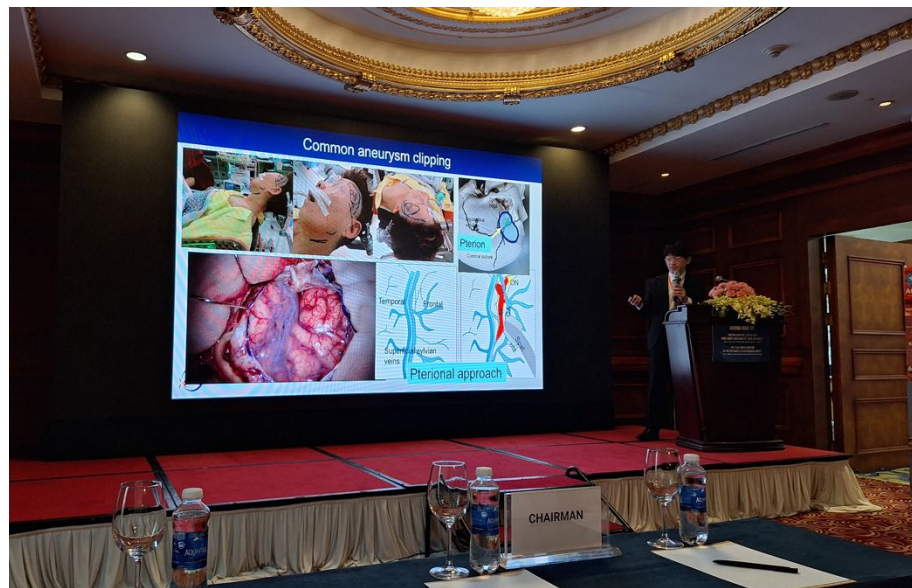
We ended the first day with great enthusiasm from all the participants and the teachers at 6.00pm. We were treated by our host, the Vietnam Neurological Society (VNS) with a Gala Dinner at the Grand Plaza

Hotel at 7.00pm till 9.00pm with fantastic stage dance and singing performances and a video documentary of history of the VNS.



We started day 2 of the bootcamp with an opening speech by Prof. Hidehito Kimura, on behalf of the Asian Congress of Neurological Surgeons (ACNS) at about 8.15am. This was followed by a lecture from Prof. Kimura himself on “Current aneurysm clipping on preoperative simulation for reduced uncertainty and improved technique for ungraded safety in endovascular era”. He has shown the usefulness of computed fluid dynamic (CFD) study pre-operatively to determine the location of the thin and thick wall of the aneurysm sac for safe clipping technique. He also showed the correct technique to open the Sylvain fissure, bypass technique and suction decompression technique for complicated internal carotid artery aneurysm. The subsequent session was chaired by Prof. Kimura.





The second speaker was Prof. Nguyen Minh Anh, from the Department of Neurosurgery UMC, Ho Chi Minh City, Vietnam. He delivered his lecture on “Unruptured Intracranial aneurysm”. Prof. Hitoshi Fukuda from the 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. According to him, by utilizing the intra-operative angiogram, the surgeon could check if he has identified and disconnected all feeding arteries of an AVM before cutting the last draining vein.



The fourth speaker was Prof. Tra Tan Hoanh, from the Department of Neurosurgery, Da Nang Hospital, Da Nang City, Vietnam. He delivered his lecture entitled “Keyhole approaches for Sellar and Parasellar lesions”. He introduced eight principles of planning keyhole approaches, namely study the films closely; find the long axis of the tumor; catalog the tumor and its component parts; use cerebrospinal fluid spaces whenever possible; expose the surface when needed; know the steps of the operation; keep incisions simple; and consider the endoscope.



Prof. Joji Inamasu took the stage as the next speaker, and he conducted his introduction in Vietnamese language which was welcomed by the audience with a big round of applause. He is currently Professor from the Saiseikai Utsunomiya Hospital, Fujita Health University. He delivered his lecture on “Pitfalls in the treatment of subdural hematomas associated with intracranial hypotension”. He has shown the importance of performing myelogram to detect CSF leak point in spinal dura in case of intracranial hypotension, especially in cases of rebleeding or clinical deterioration following CSDH drainage.



Prof. Jun-ichi Koyama, from the 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). As he was unable to join physically, he presented his lecture via a video recording. He demonstrated the evolution from 90% femoral access in 2016 to 905 radial artery access

in 2020 at his center following the development of few key techniques or systematization of the sheath insertion techniques in TRA.



Prof. Kazumi Ohmori from Nishinomiya Watanabe Cardiovascular Center took the stage and presented on “Strategy for giant aneurysms in posterior fossa”. He demonstrated the middle fossa approach, transpetrosal, translabyrinthine, transcochlear and transcondylar approaches. This was followed by a lecture by Prof. Satoru Miyawaki, from the Department of Neurosurgery, Faculty of Medicine, The University of Tokyo, Japan. He delivered his lecture entitled “Utility of the cerebellomedullary fissure approach for lesions near the fourth ventricle. He emphasized on the use of pre-operative simulation with fusion three-dimensional computer graphic images including both arteries and veins, nerve nuclei, nerve fibers and the lesion.





Prof. Naoki Otani took the stage as the next speaker. He has spoken on “Surgical Strategies and tips for smooth and safe resection of parasellar lesions”. He demonstrated the surgical technique of extradural temporopolar approach (ETA) especially for parasellar lesions. The session continued with a lecture from a young aspiring neurosurgeon from Symphony Clinic, Utsunomiya, Japan, Prof. Mizuho Inoue. She presented her lecture on “Skull base surgery for aspiring specialists”. Prof. Hiroki Morisako from the Department of Neurosurgery, Osaka Metropolitan University Graduate School of Medicine, Osaka Metropolitan University, Osaka, Japan took the stage with his lecture on “Less invasive approaches for skull base tumors”. He showed the evolution of skull base approaches at his center from the era of Prof. Hakuba to Prof. Ohata and now Prof. Goto. He outlined three less invasive approaches which include mini-combined petrosal approach for petroclival and cavernous sinus meningioma, extended endoscopic endonasal approach for central skull base tumors and endoscopic keyhole surgery for skull base tumors.

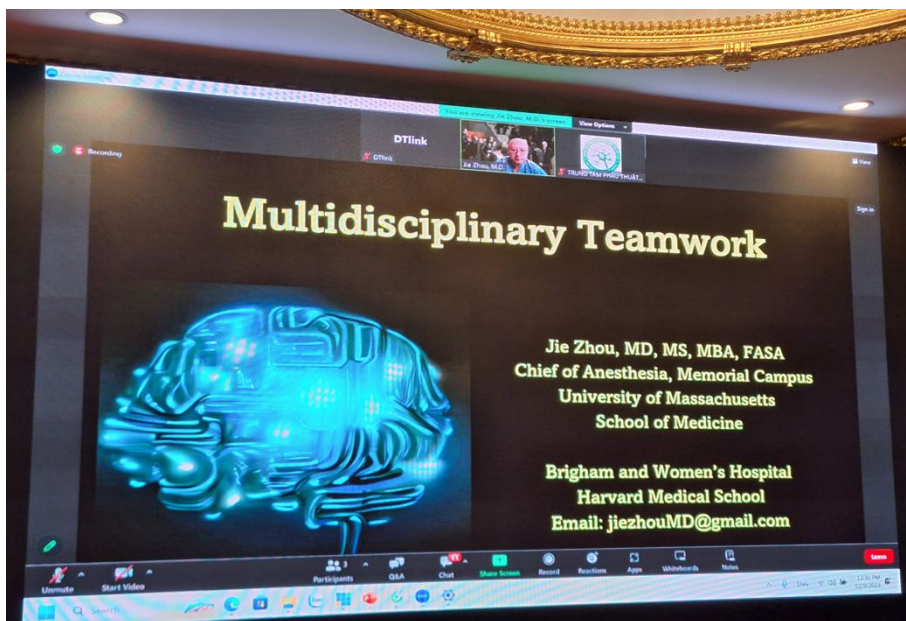




The session continued with a lecture from Prof. Raja K. Kutty, who is the Additional Professor, Department of Neurosurgery, Government Medical College Trivandrum, Kerala, India. He is also the Chairman of the ACNS Education committee. He presented on “Post Decompressive craniectomy hydrocephalus. He concluded that post decompressive craniectomy hydrocephalus should be managed in context with the clinical symptoms and whenever possible it is better to do a CSF pressure assessment. Before ending his lecture, he showed the link to all the 416 webinar with 1,200 lectures of the ACNS webinars which can be accessed via the URL “<https://bit.ly/ACNSWebinarsYouTube>” and all the official social media platforms of the ACNS.

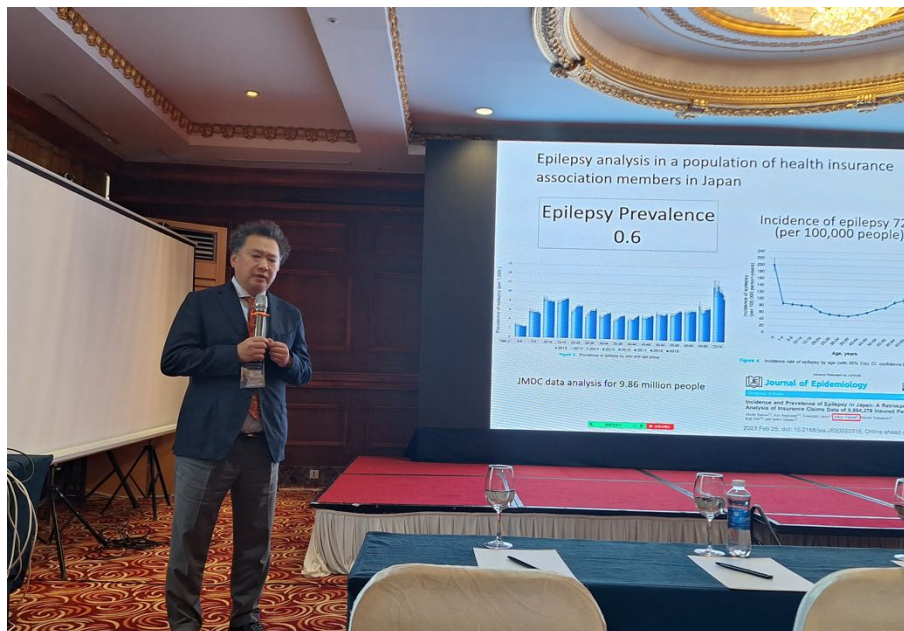
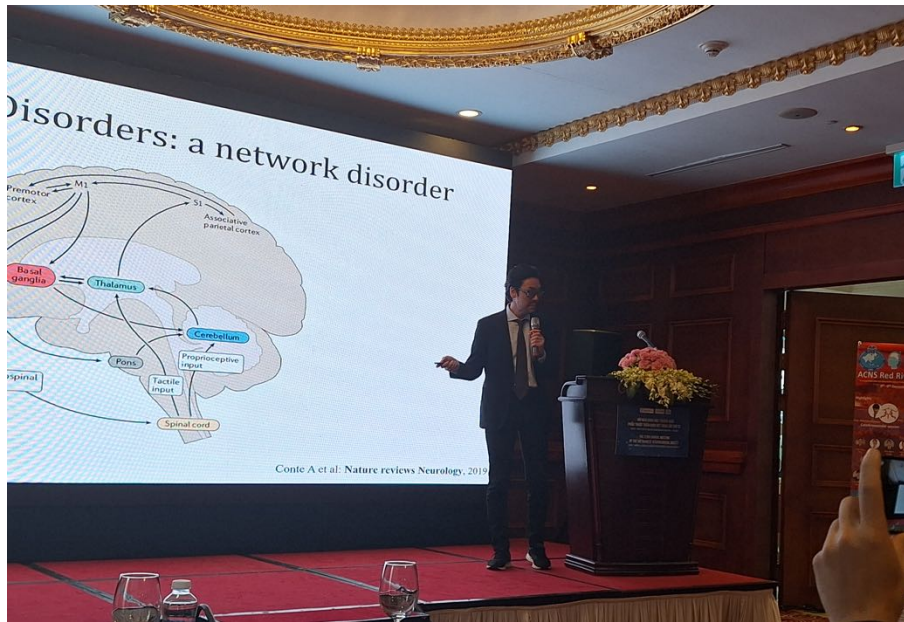


Prof. Jie Zhou, who is the Chief of Anesthesia, Memorial Campus University of Massachusetts, School of Medicine, Brigham and women’s Hospital, Harvard Medical School, USA joined us via zoom from United States of America and presented his lecture on “Multidisciplinary teamwork”. Dr Liew Boon Seng from the 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, the host of this wonderful bootcamp, the 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.

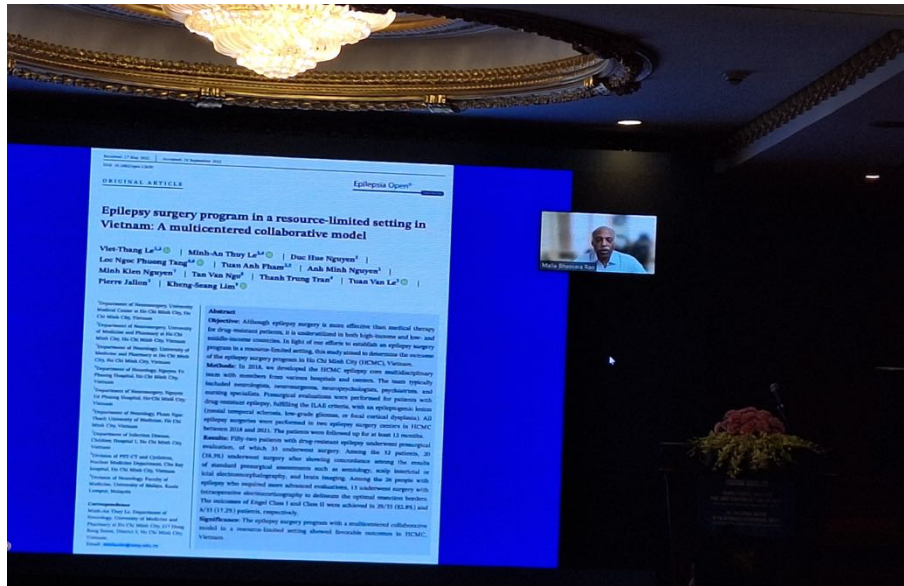




Prof. Shiro Horisawa, from the Department of Neurosurgery, Tokyo Women's Medical University, Japan took the stage as the next speaker. He has spoken on “Stereotactic neurosurgery for movement disorders”. He demonstrated the network of disorders for both pallidal circuit and cerebellar circuit. He has also demonstrated the targets for lesioning in those network disorders. He introduced on Forel-Hotomy for epilepsy which is still an ongoing clinical trial. Prof. Ichiro Takumi, Chairman of the board of directors, JCAC (Japan Clinical Association of Cannabinoids), Professor of Neurosurgery, St Marianna University School of Medicine, Kanagawa, Japan delivered his lecture following Prof. Shiro Horisawa. His lecture entitled “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 was attended by many young neurosurgeons. They were given opportunities to try on the simulation system by the Brainlab in the target planning.



The patron of the bootcamp and also the President of the ACNS, Prof. Yoko Kato arrived at the venue at 4.00pm and was greeted by the host, Prof. VanHe Dong, all the speakers and the delegates. She then chaired a meeting with all the speakers and the committee members of the Asian Congress of Neurological Nurses (ACNN) with discussion focusing on the WFNS meeting in Cape Town as summarized by Prof. Raja Kutty, the bootcamp by Prof. Vanhe Dong; and the ACNN symposium by Matron Yee. The meeting concluded with the agreements of all members supporting the idea to

organise similar bootcamp annually in Vietnam which was fully supported by Prof. Vanhe Dong as the host.



The session continued with the plenary lecture by Prof. Yoko Kato, with her lecture entitled “Recent aneurysm treatment. Before her plenary lecture, Prof. Vanhe Dong took the stage for his welcome speech and expressed his appreciation to Prof. Yoko Kato for her undivided support. Following her lecture, she took a few questions from the young neurosurgeons during the question and answer session.







The session continued with its last event, 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: Prof. Hidehito Kimura, Prof. Naoki Otani and Prof. Shiro Horisawa



3. ACNS Red River Promising Neurosurgeon award: Prof. Nguyen Kim Chung, Prof. Vu Van Hoe and Prof. Nguyen Trong Thien



4. ACNS Red River Best Nurse: Ms Phung Thi Hanh



5. ACNS Red River best YNS awards: Dr. Nguyen Duy Linh, Dr. Bui Xuan Cuong and Dr. Sonethala Manivong



6. Winner of the ACNS Red River YNS scholarships (10): Dr. Pham Khanh Toan, Dr. Tran Manh Cuong, Dr. Nguyen Hong Viet, Dr. Nguyen Duc Vu, Dr. Nguyen Hue Duc, Dr. Tran Da Xuong, Dr. Dong Van Son, Dr. Nguyen Quang Hung, Dr. Nguyen Trung Sinh and Dr. Nguyen Manh Tien



Prof. VanHe Dong hosted a special dinner for Prof. Yoko Kato and all the delegates at a buffet restaurant. All enjoyed the delicious dishes and shall remember this special occasion.



Thank you.