

# Report of the 9<sup>th</sup> ESO ESMINT ESNR Stroke Winter School

Jan Gralla, Pasquale Mordasini, Mirjam Heldner, Simon Jung, Urs Fischer

Due to the COVID-19 pandemic, the 9<sup>th</sup> ESO ESMINT ESNR Stroke Winter School had to be postponed and was held from April 19<sup>th</sup> to 22<sup>nd</sup> 2022. Given the nice spring weather, this years' course was rather a Stroke Spring than a Stroke Summer School. The local organizing committee were Prof. Jan Gralla, PD Dr. Pasquale Mordasini, Prof. Simon Jung, PD Dr. Mirjam Heldner, PD Dr. Tomas Dobrocky and Prof. Urs Fischer. Alice Caneva, Michela Mordasini, Joëlle Schilling and Martin Zbinden provided administrative support.

The primary aim of the 9<sup>th</sup> ESO ESMINT ESNR Stroke Winter School was to bring together neurologists and neuroradiologists from all over the world to share knowledge on how to enhance interdisciplinary management of patients with ischemic stroke.

The Committee had the difficult task of selecting 64 participants from more than 150 registrations. Participants came from 17 different countries: Armenia, Bosnia And Herzegovina, Bulgaria, Denmark, France, Germany, Greece, Italy, Lithuania, Mexico, Netherlands, Norway, Portugal, Slovakia, Spain, Switzerland and the United Kingdom.

This year's Stroke Winter School started on 19<sup>th</sup> April 2022 with a welcome from Prof. Fischer, Chairman of the Department of Neurology at the University Hospital of Basel and research consultant at the Department of Neurology at the University Hospital Bern. Prof. Martin Dichgans represented the European Stroke Organization (ESO), and Prof. Jan Gralla, Chairman of the Department of Neuroradiology, the European Society of Minimally Invasive Neurological Therapy (ESMINT) and the Interventional Neuroradiology Section of the European Society of Neuroradiology (ESNR).

The 28 speakers including neurologists, interventional and non-interventional neuroradiologists, neurosurgeons, and neuropaediatricians led challenging discussions. The teaching program included 30 lectures and 4–6 tutorials with a focus on interdisciplinary treatment of stroke. There were sessions on acute stroke imaging, treatment strategies including endovascular approaches, stroke treatment in difficult circumstances, and requirements for setting up an interdisciplinary stroke center. In the afternoons, tutorials were organized separately for neurologists and neuroradiologists. Neurologists were able to learn about neuroangiography from an interventional neuroradiologist and they were taught about interpreting CT and MRI by two non-interventional neuroradiologists. Neuroradiologists had the opportunity for learning in small groups about endovascular procedures, management of complications, neurological examination (NIHSS) and advanced imaging in stroke. In addition, both groups of participants were able to discuss interesting cases with neurologists and interventional neuroradiologists and to see some recordings of live cases from the University Hospital of Bern.

A special highlight for the interventional neurointerventionalists were the hands-on teaching sessions with the animal model. Small groups of 6 participants were given the opportunity to perform diagnostic angiography and endovascular treatment procedures such as thrombectomy with multiple devices.

Another highlight was the stroke simulation course: stroke physicians and neurointerventionalists took part in a real-life setting with simulated clinical stroke cases: physicians had to take care of the stroke patient and to decide on acute stroke management. Physicians were observed by colleagues and professionals and received feedback on their performance.

Thanks are due to the following sponsors who contributed to the realization of the Stroke Winter School:

Angels (Boehringer Ingelheim), Balt, Cerenovus, Medtronic, MicroVenton, Penumbra, Siemens Healthineers, Stryker, Vascular-Medical and Vesalio.

The local organizing committee thanks all the invited speakers for giving their time and effort to the Stroke Winter School and for delivering such high-quality lectures. Their interest in and passion for teaching the upcoming generation of stroke physicians and neurointerventionalists was clearly evident.

We are pleased to announce that the 10<sup>th</sup> ESO ESMINT ESNR Stroke Winter School will be held from 31<sup>st</sup> January to 3<sup>rd</sup> February 2023 in Bern.

