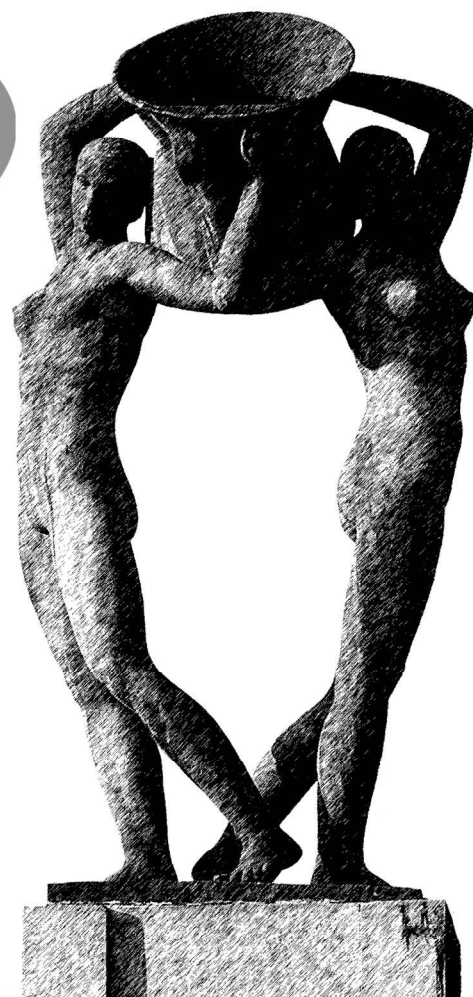




UNIVERSITY  
OF L'AQUILA

SUMMER  
SCHOOL



# Final Report

*L'Aquila 2023.  
September 04<sup>th</sup> / 08<sup>th</sup>*

supported by



*“Immota manet”, as the poet Virgil affirmed. After witnessing eight centuries of history, after resurrecting to shine brightly again in the aftermath of natural disasters and great medieval battles, the scorching summer of 2023 marked the moment for the city of L'Aquila to host the new edition of the ESO summer school.*

*The immortal monuments and vibrant city squares, nested in the lush mountains of Abruzzo, were once again about to be shaken by shattering dilemmas: will just five days be enough to discover all the wonders hidden in this beautiful corner of Italy? Is it possible to savour all the typical foods from Abruzzo in only five days of Summer School without overeating? ...and last, but not least, what is new in the field of stroke care?*



*The 26th European Stroke Organization Summer School took place from Monday 4th September to Friday 8th September 2023 in the beautiful medieval setting of Palazzo Camponeschi, seat of the Rectorate of the University of L'Aquila, Italy.*

*After motivating poets and artists throughout the course of history, will L'Aquila's immortal landmarks be able to inspire future leaders in stroke research and treatment to pioneer new advancements? Will this new edition of the ESO summer school carry on the legacy of the 25th Summer School that preceded it?*

*Participants started arriving on Sunday, September 3th, and were accommodated at the Camplus University Residence, which is a 10-minute walk from Palazzo Camponeschi. The housing consisted of individual en-suite rooms.*

**Palazzo Camponeschi. L'Aquila**  
*Piazza Santa Margherita*





# LOCAL ORGANISING COMMITTEE



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LOC Chair and ESO  
President Elect



**Mauro Silvestrini**  
President of the ISA



**Paola Santalucia**  
President Elect of the ISA



**Danilo Toni**  
Past President of the ISA



**Valeria Caso**  
Former ESO President



**Anna Bersano**  
Neurologist



**Susanna Diamanti**  
Research Fellow in  
Neurology



**Ettore Nicolini**  
Research Fellow in  
Neurology



**Raffaele Ornello**  
Research Fellow in  
Neurology



**Maurizio Paciaroni**  
Neurologist



**Leonardo Pantoni**  
Professor of Neurology



**Francesca Romana  
Pezzella**  
Neurologist



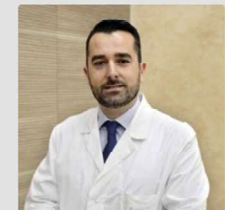
**Alessandro Pezzini**  
Neurologist



**Michele Romoli**  
Neurologist



**Marialuisa Zedde**  
Neurologist



**Andrea Zini**  
Neurologist







**Simone Beretta**, Italy

**Anna Bersano**, Italy

**Sandra Bracco**, Italy

**Federico Bruno**, Italy

**Pietro Caliandro**, Italy

**Valeria Caso**, Italy

**MassimoCaulo**, Italy

**Hanne Christensen**, Denmark

**Jesse Dawson** , United Kingdom

**Susanna Diamanti**, Italy

**Martin Dichgans**, Germany

**Enrico Fainardi**, Italy

**Urs Fischer**, Switzerland

**Matteo Foschi**, Italy

**Peter Kelly**, Ireland

**Marco Longoni**, Italy

**Svetlana Lorenzano**, Italy

**MichelangeloMancuso**, Italy

**Giovanni Morone**, Italy

**Andrea Morotti**, Italy

**Ettore Nicolini**, Italy

**Raffaele Ornello**, Italy

**Maurizio Paciaroni**, Italy

**Leonardo Pantoni**, Italy

**Francesca Romana Pezzella**, Italy

**Alessandro Pezzini**, Italy

**Cristian Pristipino**, Italy

**Michele Romoli**, Italy

**Simona Sacco**, Italy

**Carlo Salvarani**, Italy

**Else CharlotteSandset**, Norway

**PaolaSantalucia**, Italy

**Danilo Toni**, Italy

**Georgios Tsivgoulis**, Greece

**GuillaumeTurc**, France

**Jan Van der Merwe**, Germany

**Silke Walter**, Germany

**Marialuisa Zedde**, Italy

**Andrea Zini**, Italy







**Mohammed Aboutalebi**

*I am an Iranian neurology assistant and neuroscience researcher at “EvK Herne”, Academic Teaching Hospital of the Ruhr University of Bochum, Germany. I obtained my medical degree at Tabriz University of Medical Sciences (TUMS) in 2018 and commenced my residency in 2023. During my medical education, I developed a strong passion for neuroscience and participated in various scientific activities (such as establishing the Students’ Neurosciences Research Committee of TUMS). My current research interests are stroke, neuro-genetics, and brain modeling.*



**Aleksandra Angelova**

*Greetings, I am Aleksandra Angelova, from Skopje, North Macedonia. Presently I am nearing the completion of my esteemed neurology residency, preparing to embark a on a journey at the University Clinic for Neurology in Skopje, where I will be involved in the management of diverse neurological conditions, but with a particular focus on stroke patients. I have actively engaged in multiple conferences, workshops and training programs, and I have few publications centered on exploring the intricacies of stroke risk factors in my country.*



**Nicoletta Brunelli**

*I was born in Rome, Italy. I am neurologist and recently earned a PhD at Campus Bio-Medico University of Rome. Since my early years of university, I have developed a profound interest in clinical management and treatment of cerebrovascular disorders. Beyond clinical and research activity in stroke, I also perform duplex of neck vessels and cerebral arteries by transcranial doppler, hemodynamics evaluation, PFO test and emboli detection*







**Martina Caccamo**

*I am a Neurology Resident from the University of Bari, Apulia. Since medical school at the University of Messina, Sicily, I developed a strong interest in cerebrovascular disease. Through my active involvement in the Stroke Unit, I gained valuable skills in primary and secondary prevention, as well as in neurosonology and neuroradiology, adopting a comprehensive and multidisciplinary approach. Now in my third year as a Neurology Resident, I am committed to expanding my knowledge and providing optimal care for stroke patients. I am eager to be part of the ESO Stroke Summer School; it would offer me the opportunity to connect with international experts and stay updated on the latest advancements in stroke research, diagnostics, and therapeutics.*



**Laura Casado Fernandez**

*Neurologist currently working as a member of the Stroke Centre of La Paz University Hospital in Madrid, Spain. Since completing my residency, I have dedicated my career to specializing in cerebrovascular pathology. I also have an interest in research, and I am actively participating in projects focused on understanding the mechanisms of neuroprotection and repair after stroke.*



**Ieva Celpacenko**

*3rd year neurology resident at Lithuanian University of Health Sciences in Kaunas, Lithuania with major interest in cerebrovascular diseases.*





**Marin Covic**

*As I submitted in the application, I graduated from the Faculty of Medicine in Mostar in 2019. After graduating, I worked for two years in the Emergency Service. At the beginning of 2022, I started working as a Neurology resident at University Clinical Hospital in Mostar, Bosnia Herzegovina. Our hospital acts as a regional center for acute stroke, including implementation of urgent endovascular procedures.*



**Didem Darici**

*I was born on August 1, 1988 in Izmir, Turkey. I received my medical education at Afyon Kocatepe University, Faculty of Medicine, and I received my neurology assistant education at Eskişehir Osmangazi University. I have been working as an interventional neurology specialist in the stroke center of Istanbul Civilization University Faculty of Medicine for 3 years*



**Maria Denker**

*I am a second-year neurology resident living in Copenhagen with my husband and three-year-old son. I graduated medical school from the University of Copenhagen in 2017 and have been working in the field of neurology for about five years. Currently, I am fortunate to be working with passionate and talented neurologists at Bispebjerg Hospital in Copenhagen. Alongside stroke, I have a special interest in neuro-oncology. In my spare time, I love spending time in my garden and playing sports, especially football*





**Enida Durakovic Bratli**

*I am a 31 year old Consultant neurologist at the Stroke Unit at Oslo University Hospital Ullevål. I have a Medical Degree from the University of Lublin from 2016, and have done my internship and neurology specialization at the Vestfold Hospital in Norway. I have been at the Stroke Unit in Oslo from January 2023*



**Sarah Gorey**

*I'm in higher specialist training in Geriatric medicine in Ireland. I'm developing a specialist interest in clinical Stroke medicine and is pursuing a PhD on the theme of vascular inflammation in atherosclerosis and the prognostic role of blood biomarkers at University College Dublin, under the supervision of Peter Kelly.*



**Andres Granados Granados**

*Neurosurgeon from Maracaibo, Venezuela, completed my residency at the esteemed University Hospital of Maracaibo. With a strong interest in cerebrovascular disorders, I am committed to advancing stroke care and improving patient outcomes in Low Resources Facilities. I was granted with the EC-IC Bypass Fellowship from the World Federation of Neurosurgical Societies (WFNS) in 2023. As a dedicated Neuroanatomy professor at the University of Zulia, Dr. Granados shares his expertise and inspires the next generation of medical professionals.*







**Tina Gspan**

*I am a junior neurology resident from University Medical Centre Ljubljana in Slovenia, highly passionate about vascular neurology. Prior to commencing my residency, I conducted research focused on stroke imaging and its correlation with clinical outcomes. Attending this course right after completing my rotation in the stroke unit, I am particularly excited to further deepen my knowledge through this summer school, while meeting fellow residents, creating new friendships and building a supportive international network within the field of neurology.*



**Thomas Gu**

*Attending physician at the local Stroke Unit in Umea  
Research in the field of carotid stenosis  
Former performer of sonothrombolysis with great interest in acute stroke management  
Co-founder and representant neurologist of the Heart-Brain-team in Northern Sweden*



**Diana Istratii**

*I'm a young neurologist from the Republic of Moldova.  
I started my career in neurology in the field of Cerebrovascular Diseases and Neurological Emergencies three years ago at the Institute of Emergency Medicine in Chisinau, after I finished my residency. It is the main medical institution in the country being trained in providing the first aid in the treatment of stroke patients. It is very important for me as a young specialist to accumulate as much knowledge and experience as possible in this domain. I like a lot to participate in the clinical conferences and meetings of the Society of Neurologists of the Republic of Moldova, but also in the numerous events with international participation. My hobbies are traveling, reading, sport and theatre.*





**Marta Jeremić**

*I am a neurology resident in the Neurology Clinic, Belgrade, Serbia. I was born in Belgrade and grew up in Germany, Austria and Serbia. I finished medical school in Belgrade in 2019. My fields of interest are cerebrovascular diseases, neurosonology and headaches. In my free time I enjoy traveling, reading and swimming as well as playing saxophone.*



**Meeriam Kadicheeni**

*I am currently working at the University Hospitals of Leicester as an Academic Clinical Fellow in the Cerebral Haemodynamics in Ageing and Stroke Medicine (CHiASM) group. My main research interests are in cerebral haemodynamics and spontaneous intracerebral haemorrhage. I am also interested in other areas of stroke medicine such as the impact of frailty and multimorbidity.*



**Anna Keramida**

*My name is Anna Keramida and I am a newly qualified consultant neurologist with interest in specializing in stroke neurology and epilepsy. I am currently working in the stroke unit of one of the biggest hospitals in Greece and I am gaining further experience in the field of research in stroke care.*



**Nino Khubulava**

*J.S.C. "K. Eristavi National Centre of Surgery"  
Neurologist*





**Silvia Kmetonyová**

*I am 30 years old. I work as a stroke neurologist in the Motol University Hospital in Prague, Czech Republic. I graduated from Charles University in 2017 and completed my neurology residency in 2022. Currently I am working on my Ph.D. dissertation regarding posterior circulation pathologies, with an emphasis on posterior circulation stroke.*



**Marina Martinez Sanchez**

*Doctor of Medicine (M.D) specialist in Neurology. Currently working as a medical/clinical assistant neurologist and research associate in the Vascular Cerebral Diseases Unit Section at Germans Trias i Pujol Hospital, Catalan Institute of Health. At the same time doing a predoctoral fellowship program in the Neurosciences Department focusing in clinical research in the Stroke Unit, at Germans Trias i Pujol Research Institute - IGTP (2022-present). Previously working as Medical Intern Residency in Neurology at Doctor Negrin University Hospital (2018-2022). Formative stay in The Royal Melbourne Hospital (2022). Graduated in Medicine at Pompeu Fabra University - Autonomous University of Barcelona, Hospital del Mar, Barcelona (2011-2017).*



**Luisine Martirosyan**

*General neurologist  
"Saint Gregory the Illuminator" Medical Center*

*Stroke team leader  
"Saint Gregory the Illuminator" MC*







**Marius Matusevicius**

*I'm a second year resident of Neurology at the Karolinska University Hospital in Stockholm, Sweden. I finished my medical studies and later PhD at the Karolinska Institute in Stockholm, Sweden. I'm currently active in Stroke research, focusing on how treatment effects for acute ischemic stroke may differ among subgroups of patients, and if blood pressure after treatment may affect a patient's outcome.*



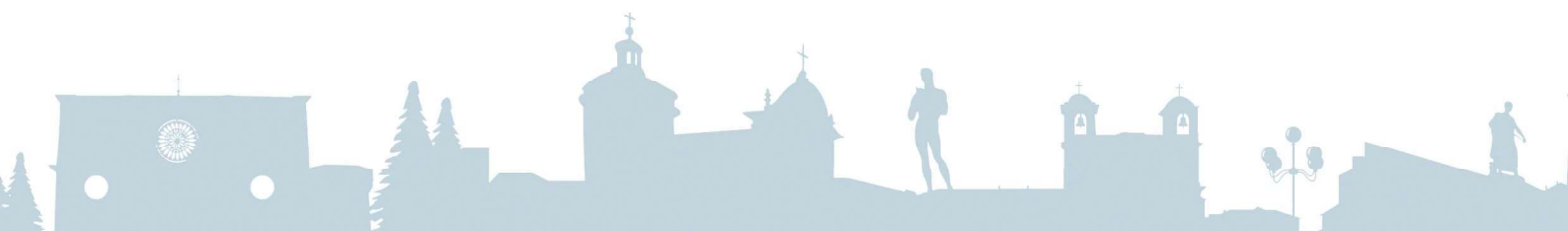
**Tiago Oliveira**

*I am a third year Neurology Resident from Lisbon Central Hospital and would like to learn more about stroke so I can improve the care done in my hospital.*



**Blerta Qazimllari**

*General neurologist  
"Petro Nako" Saranda Hospital, Albania*





**Arbana Rexhepi**

*I am a fourth year neurology resident at the University Clinic of Neurology in Skopje. Since childhood, I used to spend my afternoons sitting in a corner of my garden and observing my family members, a bunch of anonymous people, each one armed and steeled with their own sorrow, grief, fears and desires. From my perspective, sorrow and grief are mulish; they approach sneakily but insist, and disappear just as gradually, but almost never fully, whereas fears and desires are fleeting and imaginary, they resemble breaking waves or the faint scent of a handkerchief dipped in lavender cologne, accidentally pulled from our grandmother's old drawer, instantaneously vanishing into thin air... After scrutinizing each and every member, I would pretend to examine them using my father's medical instruments and then prescribe them recipes. Everyone would get a different, unique recipe; the thing they were missing, longing, yearning... That was when I subconsciously decided that I wanted to study neurology, thinking that it might help me understand the only thing I was really interested in; human behavior and emotions.*



**Milovan Roganovic**

*I'm a Neurology Resident employed at the Clinic for Neurology, Clinical Centre of Montenegro, the biggest and the only tertiary health-care institution in Montenegro. I'm a PhD student (area of interest: neurobiochemistry) at the Faculty of Medicine, University of Montenegro. In previous period, I participated in several scientific-research projects, clinical studies and published more than 10 scientific papers in international journals.*



**Gabriela Schmitt Trevisan**

*I'm a Young neurologist from Brazil. Nowadays, she is a Fellowship on Neurovascular diseases on Hospital Municipal São José in the city of Joinville, located in the South part of Brazil.*





**Bernhard Matthias Siepen**

*In 2019 I completed my medical studies at the University of Regensburg, Germany. In my doctoral thesis, I focused on neuromonitoring using neurosonography and pupillometry in a weaning and early neurorehabilitation unit. Since March 2020 I am working as a resident in the Department of Neurology, Inselspital University Hospital Bern, Switzerland. Simultaneously, I am pursuing a PhD in Clinical Sciences at the Graduate School for Health Sciences (GHS), University Bern with the project "Deciphering outcomes in intracerebral haemorrhage associated with different types of oral anticoagulants". My main research focus is on the prognosis and treatment of oral anticoagulant associated nontraumatic intracerebral haemorrhage. I have a strong motivation to become an expert in the field of stroke research with clinical focus on neurovascular and neurocritical care medicine.*



**Wouter Sluis**

*I am a 3rd year resident in neurology at the university medical center utrecht and a phd student as well under supervision of bart van der worp. I aspire to be a vascular neurologist!*

*In my free time i ride my bicycle and love to listen and to play music!*



**Aakash Sreedharan**

*I am currently a clinical fellow in Stroke with a passion for the speciality and a goal to become an interventional neurologist. I love research and would like to run my own trials in the future. I am a lifelong student and excited to meet like-minded friends and colleagues.*







**Anna k. Szewczyk**

*I'm currently on 5th year of specialization training in the Department of Neurology of the Public University Hospital No. 4 in Lublin, Poland. In her research, she is interested in pain medicine, especially headaches and migraines and their vascular complications. Parallely, she is preparing her doctoral thesis concerning neuropathic pain at the Medical University of Lublin, Poland.*



**Hoa Truong Thi**

*After graduated from Hanoi Medical University, the dream of establishing qualified stroke units at the local hospitals so that patients can get timely access for treatment is my strongest motivation to specialize in stroke. Even facing challengings, I consider our current "young" stroke care has more room which needs an appropriate intervention for the future stroke care. Thank ESO Summer School for this opportunity, for me this helps me step closer to my goal.*



**Nikoloz Tsiskaridze**

*My name is Nikoloz Tsiskaridze. I was born on 06/03/1992 in Tbilisi, Georgia where I still reside. I graduated from Tbilisi State Medical University in 2016, after which I spent one year in Berlin, in Charite Hospital under Prof. Heinrich Audebert's guidance working on the Mobile Stroke Unit project. After finishing my fellowship, I returned to Tbilisi and completed my neurology residency at Pineo Medical Ecosystem Hospital and Ivane Javakhishvili Tbilisi State University, where I have been employed up to now. I have participated in several European Stroke Organisation conferences including ESOC 2017 in Prague, ESOC 2018 in Gothenburg, ESOC 2019 in Milan, ESOC 2022 in Lyon and ESOC 2023 in Munich.*





**Hector Eduardo Valdez Ruvalcaba**

*I am 33 years old and from Mexico.*

*I am an enthusiastic stroke neurologist who wants to learn and share the experience of first world countries.*

*I like to meet new people and strengthen friendships, I like to play sports, read and I am passionate about music.*



**Olha Yasnii**

*Education: 2014-2020 – Ternopil National Medical University named after Ivan Horbachevsky (during my studies participated in student organizations, was a member of the student scientific society, engaged in scientific activities, practiced in one of the clinics in Istanbul – BAU TIP university hospital); 2020-2022 – Ternopil National Medical University of Postgraduate Education named after Ivan Horbachevsky. Title MD (engaged in scientific work, scientific interest, take part in various professional conferences); 2022-..... - National Medical Academy of Postgraduate Education named after P.L. Shupik Department of anesthesiology and intensive care. PhD student (topic of scientific research: Assessment of the impact of comorbidity and cardio-metabolic disorders on the course of ischemic stroke in the acute period and the effectiveness of treatment).*



**CharlotteZuurbier**

*I obtained my master's degree in Medicine at the Academic Medical Center, University of Amsterdam. I started working as a neurology resident. In 2021 I finished PhD thesis on Intracranial aneurysms: family history and risk of rupture at the University Medical Center Utrecht. During her PhD program, I obtained a master's degree in Epidemiology. Currently, I'm working as a neurology resident in the Elisabeth-TweeSteden Hospital in Tilburg.*





## MONDAY 4<sup>th</sup> September

The 26th edition of the ESO Summer School officially opened with an introductory session led by Prof. Sacco. During this session, Prof. Sacco outlined the course structure and shared details about all the planned activities. Prof. Sacco shared her journey within the ESO starting in 2004 as a young fellow of the ESO Summer School in Krems, Austria and ending with becoming president elect of the society. She also emphasized that many of the leaders within the ESO and many of the best physicians in stroke care were once attendees of the ESO summer school thus showing as the journey to excellence in stroke care can start here.



Thereafter, each participant had the opportunity to introduce themselves, sharing a bit about their work and personal interests. After a coffee break, the first day of Summer School focused on the role of imaging in the care of stroke. Prof. Massimo Caulo spoke on different imaging modalities to diagnose and properly select patients for acute treatment, while Prof. Danilo Toni provided some examples of clinical scenarios discussing on possible strategies of systemic reperfusion. Discussion was interactive and animated, especially during the interactive case-challenges presentation by Dr. Nicolini.



After lunch, the participants had the opportunity to uncover novelties and advancements about mechanical thrombectomy as a therapy for acute ischemic stroke with Dr. Sandra Bracco, Dr. Marco Longoni, and Dr. Andrea Zini. This included lively discussions on challenging scenarios, such as tandem occlusions and posterior circulation strokes. The session was finished by another interactive case-challenges presentation by Dr. Susanna Diamanti.



The team then moved into L'Aquila City Centre to discover some of the town cultural heritage through a guided tour. The day ended with a welcome cocktail followed by a tasty dinner at the restaurant *Rever*.

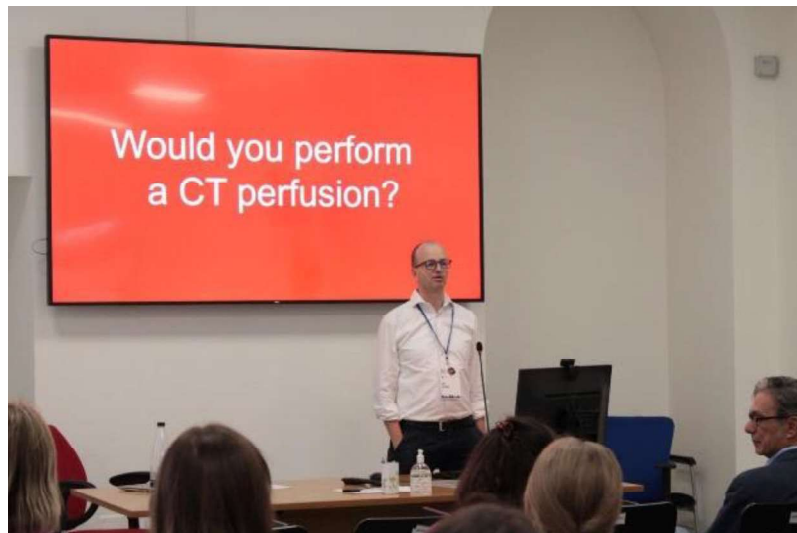




## TUESDAY 5<sup>th</sup> September

The 2<sup>nd</sup> day of Summer School started with an inspiring and interactive talk on stroke services organization models by Prof. Paola Santalucia. Attendees were able to find new insights on how to improve the organization of their stroke services to ensure a higher quality of care. Throughout the morning, the subsequent presentations focused on rare stroke etiologies, including cerebral vasculitis and carotid web (Dr. Maria Luisa Zedde), Moya Moya

advancements in the understanding of the relationship between small vessels disease pathology and different stroke scenarios. Prof. Andrea Morotti talked about cerebral amyloid angiopathy pathophysiology, diagnosis, and clinical challenges. Prof. Simona Sacco held a talk on the bundle of care for intracerebral hemorrhage and Dr. Leonardo Paciaroni illustrated current strategy for the restarting and reversal of anticoagulation in patients who had intracerebral bleedings. Lastly, Dr. Raffaele Ornello presented some interactive case-challenges on the



disease and syndrome (Dr. Anna Bersano), and monogenic stroke (Prof. Michelangelo Mancuso). The interactive case challenges by Dr. Matteo Foschi allowed participants to discuss the diagnostic and treatment peculiarities in two cases of stroke related to rare etiology.

Discussion kept going well into lunch and the afternoon sessions turned to prevention and treatment of intracerebral hemorrhage in a variety of settings. Prof. Pantoni showed

topic to discuss controversial aspects in the acute treatment of intracerebral hemorrhage.

The evening meal was at the Osteria Giorgione, located right in the center of the city. After a day of engaging lectures and plentiful courses of Italian pizza, everyone went to sleep ready for a new day of new knowledge.

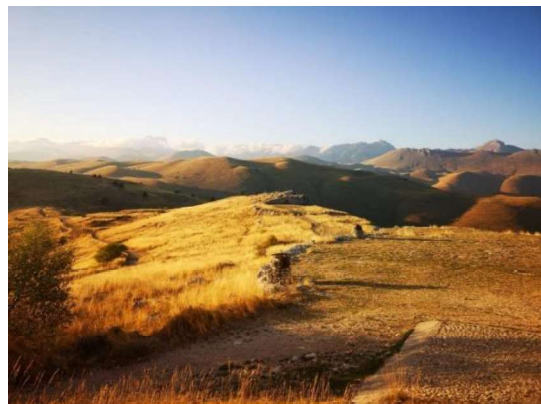


6<sup>th</sup> September

Wednesday morning was the day of great lectures on leadership, innovation, and networking in the field of stroke care. Prof. Else Charlotte Sandset kicked off the morning session speaking about networking in stroke research and care. Prof. Valeria Caso had a very inspiring talk on the importance of mentorship. Dr. Francesca Romana Pezzella gave a comprehensive overview on the advocacy and lobbying to improve stroke funding and care, while Prof. Diederik W. Dippel provided an in-depth insight into translational stroke research.



After the coffee break, Prof. Sandset took the floor again and the participants received valuable tips for improving the writing of medical manuscripts and for increasing their chance of success when facing the challenge of publication. The session was ended by Prof. Hanne Christensen who held a great talk illustrating the action plan for reducing the burden of stroke in Europe. Following lunch, the team was ready to dive into an afternoon full of social activities.



In the afternoon, both the faculty and the participants had the opportunity to explore some of the most stunning locations of central Italy. The guided tour started with a visit to Santo Stefano di Sessanio, a small village which is one of the "*Most Beautiful Villages in Italy*". This old town is one of the most picturesque places of the National Park of Abruzzo, thanks to the harmony of its architectural elements: a cameo nestled among the Apennines mountains. Then, the group move to visit the outstanding castle of Rocca Calascio, a fortress perched on a promontory over the plateau of Campo Imperatore, which has been the setting of famous films like "*Ladyhawke*."





The dinner took place at the restaurant *Monte Selva*, where participants could taste some typical rustic dishes from the culinary tradition of Apennines.





## THURSDAY 7<sup>th</sup> September

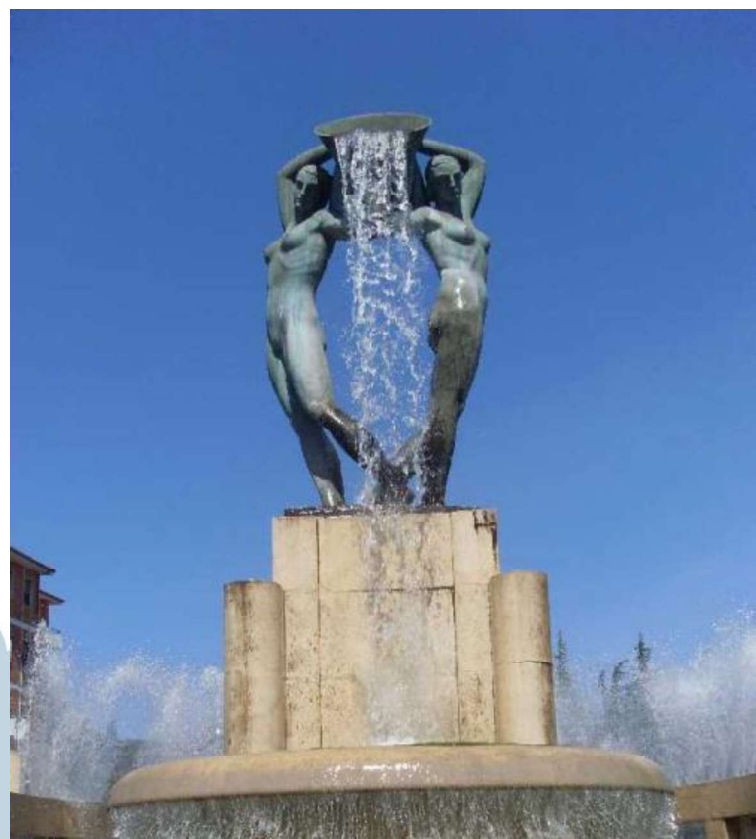
The 4<sup>th</sup> day of Summer School started with an outstanding talk by the ESO president Prof. Peter Kelly addressing new perspectives in secondary stroke prevention. Prof. Martin Dichgans gave a comprehensive overview of current knowledge in the field of stroke genetics. The talk by Prof. Georgios Tsivgoulis disclosed novelties in the management of blood pressure control during the acute phase of stroke.



The coffee break was followed by several interesting presentations: Prof. Jesse Dawson unveiled the potential of neuromodulation as a novel treatment to improve the outcomes of stroke. Prof. Silke Walker illustrated the state of the art in prehospital stroke management and Prof. Guillaume Turc gave some useful tips to avoid errors in statistical analysis and to correctly interpret results of observational study for stroke research. The last morning presentation was held by Dr. Michele Romoli, who engaged the audience with two new interactive case-challenges aimed to discuss the best choice in acute stroke treatment.

Back into the classroom after lunch, the participants were able to listen to a great talk by Prof. Urs Fischer, who discussed the present and future horizons of acute stroke treatment. Prof. Enrico Fainardi approached the debate on the role of perfusion imaging and automated softwares for stroke diagnosis and evaluation and Prof. Simone Beretta talked about ischemic preconditioning as a possible strategy to prevent stroke-related injury. Lastly, Dr. Federico Bruno concluded the afternoon session by offering two interactive case-challenges focused on neuroimaging interpretation for stroke diagnosis.

The last dinner of the 26<sup>th</sup> ESO Summer School took place at the restaurant 'Lo Scalco,' located within an exclusive historic palace in the center of L'Aquila. After dinner, the participants retired for the night, feeling both satisfied and regretful as their journey was coming to an end.





## FRIDAY 8<sup>th</sup> September

The final day was opened by the Angels initiative talk held by Dr. Jan Van Der Merwe, illustrating progress in improving the organisation of stroke care into European countries. Dr. Svetlana Lorenzano depicted challenges in stroke management during pregnancy and postpartum. Prof. Pietro Caliandro paved the



way for the implementation of artificial intelligence to guide stroke decision and support healthcare systems. Prof. Giovanni Morone gave an update on the advancements in stroke rehabilitation.

After the last coffee break, it was the time of Prof. Alessandro Pezzini, who delved into the epidemiology, diagnosis and treatment of cervical artery dissection. The last talk by Dr. Cristian Pristipino focused on the closure of patent foramen ovale for stroke prevention. Pro and cons were discussed from a cardiological point of view.

After lunch, the meeting was concluded by Prof. Simona Sacco, who highlighted the challenges of stroke care beyond the front door. At this point, the attendees were ready to travel back home, carrying with them new knowledge and friendships, fresh questions, and innovative ideas to shape the future of stroke care and research.



## SUMMARY

The overwhelming success of the 26<sup>th</sup> ESO Summer School was the result of a great teamwork.

We express our gratitude to the ESO Education Committee for granting us the privilege and trust in organizing this edition of the ESO Summer School. It has been a sincere pleasure to serve as hosts on behalf of the City of L'Aquila and the Abruzzo region.

We extend our gratitude to the University of L' Aquila for providing a beautiful location and superb accommodations for our students. Additionally, we wish to give special recognition to Prof. Simona Sacco for her exceptional coordination of the venue and accommodation, as well as her unwavering attentiveness throughout the entire week.

Our thanks go also to all the restaurants which offered excellent cuisine and inviting venues for

socializing and relaxation during the evenings.

We wish to express our immense gratitude to our sponsors, whose invaluable support made this week possible: Angel's and Astrazeneca

We want to deeply praise our exceptional faculty, who delivered outstanding, high-quality, and interactive lectures that ignited inspiration among the next generation of stroke physicians. Their approachability during coffee breaks, lunches, and dinners did not go unnoticed, and participants found it especially rewarding.

Finally, we offer our heartfelt thanks to all the participants, who actively participated, listened, posed challenges, engaged in discussions, and debated throughout the entire week. They made possible to shape the ESO Summer School into the exact experience we had envisioned.







