

ESO Summer School
Lisbon, 7-11 September 2025

Day 1 – Monday – Stroke Etiology and Prevention

09:00 – 09:15 Welcome and Introduction
09:15 – 09:35 Epidemiology and burden of stroke
09:35 – 09:55 Cardioembolic stroke – Part I: Atrial Fibrillation
09:55 – 10:15 Cardioembolic stroke – Part II: Beyond AF
10:15 – 10:35 Panel Discussion and questions
10:35 – 11:00 *Coffee Break*
11:00 – 11:20 Atherosclerotic disease as a cause of Stroke
11:20 – 11:40 Stroke in the Young
11:40 – 12:00 Rare Causes of Stroke
12:00 – 12:20 Use of Blood Biomarkers in Stroke
12:20 – 12:40 Panel Discussion and questions
12:40 – 13:40 Lunch
13:40 – 14:00 Antithrombotic treatment for stroke prevention
14:00 – 14:20 Lipid & hypertension management
14:20 – 14:40 Factor XI inhibition
14:40 – 15:00 *Panel Discussion and questions*
15:00 – 15:30 *Coffee Break*
15:30 – 16:30 Workshop 1: CT in the hot seat: what to spot and when to stop (Group 1) /
Workshop 2: Stroke Simulation (Group 2)
16:30 – 17:30 Workshop 1: CT in the hot seat: what to spot and when to stop (Group 2) /
Workshop 2: Stroke Simulation (Group 1)

Day 2 – Tuesday – Comprehensive Stroke Care

09:00 – 09:15 Introduction to the day
09:15 – 09:35 Vascular Anatomy applied to clinical practice
09:35 – 09:55 Advanced imaging in acute stroke
09:55 – 10:15 Neurosonology in Acute stroke
10:15 – 10:35 Panel Discussion and questions
10:35 – 11:00 *Coffee Break*
11:00 – 11:20 Endovascular treatment of Acute Large Vessel occlusion – pearls and pitfalls
11:20 – 11:40 Role of Neurosurgery in Ischemic Stroke
11:40 – 12:00 Cerebral AVM and dAVF management
12:00 – 12:20 Panel Discussion and questions
12:20 – 13:30 Lunch
13:30 – 14:30 Workshop 3: Neurosonology workshop (Hands-on) (Group 1) / Workshop 4:
Hands-on workshop: can you do a thrombectomy? (Group 2)
14:30 – 15:30 Workshop 3: Neurosonology workshop (Hands-on) (Group 2 / Workshop 4:
Hands-on workshop: can you do a thrombectomy? (Group 1)
15:30 – 16:00 *Coffee Break*
16:00 – 16:20 Hemorrhagic Stroke – Medical management
16:20 – 16:40 Hemorrhagic Stroke – Surgical management
16:40 – 17:00 Subarachnoid hemorrhage

17:00 – 17:20 Panel Discussion and questions

Day 3 – Wednesday – Update on Stroke Management

09:00 – 09:15 ESO Overview

09:15 – 09:30 Pre-Hospital care – ESO Member at Large

09:30 – 09:45 Primary Stroke Prevention

09:45 – 10:00 Update in secondary Prevention

10:00 – 10:15 Challenges and Gaps in implementing stroke care

10:15 – 10:30 Advanced digital technologies to improve stroke care

10:30 – 10:45 Panel Discussion and questions

10:45 – 11:15 Coffee Break

11:15 – 11:30 Intravenous Thrombolysis

11:30 – 11:45 Management of Distal Vessel Occlusion

11:45 – 12:00 TIA and Minor Stroke – Guillaume Turc

12:00 – 12:15 Cerebral Venous Thrombosis

12:15 – 12:30 New evidence in Stroke Rehabilitation

12:30 – 12:45 Panel Discussion and questions

12:45 – 13:45 Lunch

13:45 – 14:00 Blood Pressure Management in acute ischemic and hemorrhagic stroke

14:00 – 14:15 Small Vessel Disease

14:15 – 14:30 Covert Brain Infarction

14:30 – 14:45 Panel Discussion and questions

14:45 – 15:45 Workshop 5: Advanced imaging – hands-on (Group 1)/ Workshop 6: Post-stroke spasticity – hands on (Group 2)

15:45 – 16:10 Coffee Break

16:10 – 17:10 Workshop 5: Advanced imaging – hands-on (Group 2)/ Workshop 6: Post-stroke spasticity – hands on (Group 1)

Day 4 – Thursday

Morning – Controversies in Stroke Management

09:00 – 09:15 Introduction to the day

09:15 – 09:35 Intra-arterial Thrombolysis

09:35 – 09:55 Management of Intracranial stenosis

09:55 – 10:15 Basilar Artery Occlusion

10:15 – 10:35 Panel Discussion and questions

10:35 – 11:00 Coffee Break

11:00 – 11:20 Pediatric stroke

11:20 – 11:40 Treatment of patients with Large core stroke

11:40 – 12:00 Assymptomatic Carotid Stenosis

12:00 – 12:20 Management of Carotid Dissection

12:20 – 12:40 ESUS: a Declining Concept?

12:40 – 13:00 Panel Discussion and questions

13:00 – 14:00 Lunch

Afternoon – Management of Stroke Sequelae

14:00 – 14:20 Stroke-related cognitive disorders

14:20 – 14:40 Vascular Cognitive Impairment

14:40 – 15:00 An overview of neurorehabilitation after stroke
15:00 – 15:20 Management of post-stroke spasticity
15:20 – 15:40 *Panel Discussion and questions*
15:40 – 16:10 *Coffee Break*
16:10 – 17:00 My Challenging Case (*Selected participants present and discuss challenging cases*)

Day 5 – Friday – Building Patient-Centered Excellence – The Future of Stroke Care

09:00 – 09:15 Introduction to the day
09:15 – 09:35 What's New in Recent Guidelines: Neurologist view
09:35 – 09:55 What's New in Recent Guidelines: INR view
09:55 – 10:15 Telestroke Networks: Implementation at Scale
10:15 – 10:35 *Panel Discussion and questions*
10:35 – 11:00 *Coffee Break*
11:00 – 11:20 Stroke Systems of Care: Creating a National Stroke Plan
11:20 – 11:40 The Future of Stroke Endovascular Intervention: Beyond Mechanical Thrombectomy
11:40 – 12:00 The Future of Stroke Research: From Thrombolysis to Neuroprotection
12:00 – 12:20 Why It All Matters: What Patients Need from Stroke Systems
12:20 – 12:30 *Closing remarks*
Presentation of certificates to all participants and awards for the top-performing students.
Final acknowledgments and group photograph

Note: At the end of each talk, participants will take a short case-based assessment, using electronic voting. The top-performing students will receive a certificate of achievement at the end of the course.