

# 12<sup>th</sup> ESO ESMINT ESNR Stroke Winter School 2025

## Course program

Seminar
Break/Lunch
Workshop

Tuesday 28<sup>th</sup> January 2025

Arrival in Bern at lunchtime

Time	<u>Welcome &amp; Introduction</u>		Speaker
	<b>Chair:</b> Tomas Dobrocky, Thomas Meinel		
13:30	Welcome to the 12 <sup>th</sup> ESO, ESMINT, ESNR  Welcome of the local organisation committee		Simona Sacco (ESO) Jan Gralla (ESNR, ESMINT)  Tomas Dobrocky Thomas Meinel  Eike Piechowiak Sara Pilgram-Pastor Jan Gralla Bastian Volbers Urs Fischer
13:55	<u>Introduction, Prehospital and Stroke Imaging</u> <b>Chair:</b> Espen Kristoffersen, Urs Fischer		
14:00	Global burden of stroke and impact on brain health (20 min)	excellent slides from Peter Kelly available	Simona Sacco, Italy
14:20	Pre-hospital management and LVO detection (25+5 min)	Recognition of stroke and of LVO, management during transport (blood pressure, oxygen, head position), pre-notification, reducing onset-to-door times, reducing door-in-door-out times, optimization of the acute chain	Silke Walter, Germany
14:50	Acute Stroke imaging: CT, MRI or direct to the angio (25+5 min)	NCCT, CTA, MR, DTA, Advanced imaging details will be covered in the workshops	Eike Piechowiak, Switzerland
15:20	Early outcome prediction, restriction of treatment (25+5 min)	Most important predictors, Outcome model performance, pre- and post-intervention, time and causes of death, very early palliative care vs decision at 24h	Esmee Venema, Netherlands
15:50	<b>Break</b>		
	<b>Topic: <u>State of the Art: Thrombolysis</u></b> <b>Chair:</b> Eike Piechowiak, Esmee Venema		
16:20	Evidence of acute stroke treatment 2023 (30 min)	<b>On label IVT (Neurology 15 min)</b> shorten historical introduction, time-window, deficit, PRISMS, ARAMIS, TEMPO2  NOT TNK (will be covered	Urs Fischer

		separately)  <b>On label MT (Neuroradiology 15 min)</b>  Shorten historical introduction, HERMES, DAWN, DEFUSE, ATTENTION, BAOCHE,	
16:50	IVT: contraindications, surveillance and how to manage complications (25+5 min)	Absolute and relative contraindications (DOAC covered in separate topic), surveillance during IVT (glucose, blood pressure, neurological exam), management of: sICH, systemic bleeding, orolingual edema	Espen Kristoffersen, Norway
17:20	Stroke in patients with preceding anticoagulation and hyperacute antithrombotic therapy (20+5 min)	Stroke in DOAC, POINT/THALES	Thomas Meinel, Switzerland
17:45	Switching to tenecteplase, other fibrinolytics (15 min)	AcT, NORTEST1/2, EXTEND-IATNK1/2, TASTE, ATTEST2, reteplase, modified staphylokinase, TNK reducing waste, how to change to TNK	Lars Kellert, Munich
18:00	Building a global community of stroke centres and stroke-ready hospitals – the ANGELS initiative		Jan van der Merwe
18:15	<b>Organizational topics</b>		

## Wednesday 29<sup>th</sup> January 2025

Time	Topic: Acute stroke treatment		Speaker
	Chair: René Chapot, Thomas Meinel		
	<b>State of the Art: Thrombectomy</b>		
08:00	There are no limits to the effectiveness of mechanical thrombectomy for <u>large</u> vessel occlusions - <i>ubi clot, ibi thrombectomy!</i>  Pro/con debate: 10 min each, then discussion 10 min	large core, MAGNA/TESLA/LASTE, subgroup of quantitative ASPECTS (ESOC24) from SELECT2, MRI/CT ASPECTS, low NIHSS, who not to treat?  NOT MEVO/DVO (covered in separate talk)	<b>Pro</b> Zsolt Kulcsar, Switzerland <b>Con</b> Jonathan Coutinho, Netherlands
08:30	<b>Hot topic:</b> medium and distal vessel occlusion: how to treat? (25+5 min)	Evidence, Technical aspects, risk/benefit decisions, P1-occlusions, DISTAL, ESCAPE-MEVO, ...	Marios Psychogios, Switzerland
09:00	New work-flow and adjunctive tools in the angiosuite (25+5 min)	flat-panel perfusion, intra-arterial thrombolysis, Flat Panel, DOT Sign, remote angio	Sara Pilgram-Pastor, Switzerland
09:30	<b>Break</b>		
	<b>Roads less travelled</b>		
	Chair: Jonathan Coutinho, Sara Pilgram-Pastor		
10:00	Cerebral venous thrombosis: Acute medical management, off-label IVT & thrombectomy (25+5min)	Symptoms and diagnosis of CVT, medical management (DOAC, LMWH), off-label IVT, MT and neurosurgical options, <b>please incorporate interactive elements and reserve time for discussion</b>	Diana Aguiar de Sousa, Portugal
10:30	Management of symptomatic intracranial atherosclerotic disease (20+5 min)	ESO guideline, CASSISS, SAMPRIS, WEAVE, <i>best medical treatment...</i>	René Chapot, Germany
11:00	Pediatric strokes: Be aware! (15+5 min)	Pediatric acute stroke etiology and management	Manoelle Kossorotoff, France
11:20	Cervical artery dissections and carotid web (15+5 min)	Hyperacute medical management including IVT and technical aspects of MT in those scenarios	Josefine Kaufmann, Switzerland
11:40	Ocular and spinal ischemia (15+5 min)	CRAO: IVT/IA-lysis, medical management, <b>slide set will be reduced by 80% by the local faculty</b>	Sven Poli, Germany
12:00-13:15	<b>Lunch</b>  Meeting of the Faculty of 12 <sup>th</sup> ESO-ESMINT-ESNR		Neuroradiologist Faculty Neurologist Faculty
	<b>Afternoon: separate program for neuroradiologists and neurologists</b>		

13:20	Meeting point for the workshops and skills training in front of the auditorium (SITEM)		
13:30	Neurologists Clinical training in advanced neuroimaging (4 groups) Others: see specific topics		Neurologist Faculty
13:30	Neuroradiologists Skills training in interventional neuroradiology (4 groups) Others: see specific topics		Neuroradiologist Faculty
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# Thursday 30<sup>st</sup> January 2025

Time	Topic Individualized treatment		Speaker
	Chair: Wim van Zwam, Gregoire Boulouis		
	<b><u>Difficult clinical settings</u></b>		
08:30	Bridging thrombolysis (20+5 min)	Bridging IVT, IRIS including subgroup analyses (time, tandem, ...)	Fabiano Cavalcante, Netherlands
08:55	CEA and CAS: when to use what for symptomatic carotid stenosis (20+5)	If MT, if no MT, which antithrombotic regimen, relative preference for each intervention.	David Bervini, Switzerland
09:20	Stroke mimics and stroke chameleons: - view of the neurologist - view of the neuroradiologist (25+5 min)		Bastian Volbers, Switzerland Roland Wiest, Switzerland
09:50	Stroke in late time window (20 min)	TIMELESS, TWIST, late window MT trials, TENSION, ...	Wim van Zwam, Netherlands
10:10	<b>Break</b>		
	Chair: Bastian Volbers, David Seiffge		
	<b><u>Preventing and managing complications</u></b>		
10:30	Minimising the risks of symptomatic intracranial hemorrhage following reperfusion treatments (15+5 min)	sICH prediction IVT, sICH prediction MT, modifiable risk factors, risk/benefit	Kilian Treurniet, Netherlands
10:50	TIA, TIA-mimics and mild stroke (20+5 min)	CAA spells	Linxin Li, UK
11:15	Post reperfusion monitoring and stroke care according to recanalization status (25+5 min)	(blood pressure, Oxygenation, Dysphagia, Infections, Stroke and Trop, management of brain edema, monitoring, seizures). OPTIMAL-BP, TRUTH, ...	Waltraud Pfeilschifter, Germany
11:45-12:30	<b>Lunch</b>		
	Chair: Linxin Li, Waltraud Pfeilschifter		
	<b><u>There will be blood – hemorrhagic stroke: don't be afraid!</u></b>		
12:30	The Neuroradiologist's view (15+5)	Imaging markers of ICH and hematoma expansion, Secondary ICH including imaging examples (CVT, CAA, AVM, ...)	Gregoire Boulouis, France
12:50	The Neurologist's view (15+5)	Next steps after the imaging shows ICH instead of ischemia: blood pressure, hemostatic agents (also in DOAC patients), care bundle, time to reversal, INTERACT 4, ANNEXA-I.	David Seiffge, Switzerland
13:10	The Neurosurgeon's/Neurointensivist's view (15+5)	Neurosurgeon: EVD indications ENRICH, SWITCH, (supra/infratentorial), open surgery, minimal invasive techniques, intraventricular fibrinolysis, what to do with SAH	Jürgen Beck, Germany

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# Friday 31<sup>st</sup> January 2025

Time	Topic: Set up and Infrastructure		Speaker
	Chair: Tomas Dobrocky, Johannes Kaesmacher		
	<b>Set up and Infrastructure</b>		
09:00	In-hospital stroke management (10+5 min)		Mirjam Heldner, Switzerland
09:15	Flying doctor concept and other stroke network organisation forms (20+5)	RACECAT, TEMPIS	Gordian Hubert, Germany
09:40	How to build up a Stroke Center and serve a large catchment area – An example of a successful blueprint from Vietnam (15+5 min)		Tran Chi Cuong, Vietnam
10:00	Neuroanesthesiology during and after thrombectomy (15+5)	CS, LA, OPTIMATE, INDIVIDUATE, AMETIS	Charlotte Weyland, Germany
10:20	<b>Break</b>		
10:50	<b>Case Discussions, Morbimortality Corner</b> <b>My worst memory! – Advice</b> Piechowiak/Dobrocky/Pilgram-Pastor, Meinel/Jung		
11:50	Tips & Tricks in EVT (20 + 5min)		Jan Gralla, Switzerland
12:15	<b>Break</b>		
	Chair: Gordian Hubert, Sara Pilgram-Pastor		
	<b>The crystal ball</b>		
13:15	Neuroprotection (25+5 min)	NA1 (ESCAPE-NA1/NEXT), uric acid (Chamorro), Oxygen (PROOF, OPENS-2), hypothermia, Stimulator of Ggl sphenopalatinum, RIC (RESIST)	Johannes Kaesmacher, Netherlands
13:45	The future of ischemic stroke management (15+5 min)		Tomas Dobrocky, Switzerland
14:05	Farewell		Tomas Dobrocky, Thomas Meinel Switzerland