



# 14<sup>th</sup> ZADAR SUMMER SCHOOL of NEUROSONOLOGY and STROKE MANAGEMENT

23<sup>rd</sup>- 25<sup>th</sup> June 2022 Zadar, Croatia



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ZADAR, JUNE 23-25, 2022

FINAL PROGRAM

## THURSDAY 23. 06. 2022

12:00-14:00 **Registrations**

14:00-14:10 **Welcome and Opening**

### **Stroke Topics - Part I**

Chairs: C. Baracchini, B. Malojcic

14:10-14:30 Spontaneous intracerebral hemorrhage: a new era?

C. Baracchini

14:30-14:50 Update on Mobile Stroke Units

A. V. Alexandrov

14:50-15:10 Acute stroke hemodynamics

J. Sargento Freitas

15:10-15:30 Cerebral amyloid angiopathy and cerebral trauma

J. Pretnar Oblak

15:30-15:50 Stroke in pregnancy

D. Bonifacic

15:50-16:10 Neurovascular coupling and cerebral small vessel disease

P. Castro

16:10-16:30 Under-representation of females in clinical trials

A. Lovrencic Huzjan

16:30-17:00 **Coffee break**

17:00-19:00 **Hands-on training - basics**

How to do ultrasound in less operator depending way Stations 4-5 J. Pretnar Oblak, J. Sargento Freitas

Ultrasound system knobology

Stations 4-5 A. Pavlovic, B. Malojcic

Protocol of extracranial duplex scanning

Stations 4-5 A. Lovrencic Huzjan, N. Carraro

Protocol of intracranial duplex scanning

Stations 4-5 M. Kaps, S. Schreiber

20:00 Dinner

## FRIDAY 24. 06. 2022

### **Microembolic signals in clinical practice**

Chairs: W.H. Mess, M. Kaps  
M. Kaps

09:00-09:20 Future of MES detection

09:20-09:40 Detection of right-to-left shunts with robotic TCD

A. V. Alexandrov

09:40-10:00 The art of embolus detection

R. Keunen

10:00-10:20 Robotic ultrasound in ICU - feasibility study

M. Vosko, C. Kulyk

10:00-12:30 **Hands-on training - MES in clinical practice**

PFO detection

Station 1 M. Kaps, A. V. Alexandrov

MES detection - interactive workshop

Station 2 W. H. Mess

Verification of emboli in TCD recordings

Station 3 R. Keunen

12:30-13:30 **Lunch**

### **Heart, body and brain**

Chairs: A. Lovrencic-Huzjan, A. Pavlovic

13:30-13:50 Syncope - a cardiological perspective

R. Matasic

14:00-14:20 Syncope clinic - workflow and perspectives

B. Malojcic

14:20-14:40 TBD

S. Schreiber

14:40-15:00 Ultrasonography matters in cerebral vasculitides diagnosis

M. Mijajlovic

15:00-15:20	Lipid lowering management in stroke prevention - Standard operating procedure	M. Vosko
15:20-15:40	Neurological complications of infective endocarditis	V. Reskovic Luksic
15:40-16:00	LAO - when NOAC is not an option	A. Anic
16:00-16:15	Conventional stroke risk factors in women	S. Rutovic
	<b>Hands-on training</b>	
16:30-18:00	Robotic TCD systems TCCD vascular examination principles and interpretation	Stations 2-3 W. Mess, R. Keunen Stations 4-5 J. Valdueza, C. Baracchini
	<b>Stroke - endovascular therapies</b>	Chairs: M. Vosko, Z. Poljakovic
18:00-18:15	MT and TPA - update and future	M. Budisic
18:15-18:30	AVM diagnosis and treatment	I. Jovanovic
18:30-18:45	15 years away from ARUBA	Z. Poljakovic
18:45-19:00	CEA in asymptomatic carotid stenosis	C. Brunner
20:00	<b>Dinner</b>	

## SATURDAY 25. 06. 2022

	<b>Comprehensive US applications and neuroimaging</b>	Chairs: J. Valdueza, M. Mijajlovic
09:30-09:50	Looks pathological, but is normal... Looks normal, but is pathological...	J. Valdueza
09:50-10:10	Autoregulation in Stroke	P. Castro
10:10-10:30	Ultrasound investigations and carotid stenosis: what we can observe and how we interpret it	N. Carraro
10:30-10:50	Takayasu arteritis	S. Supe
10:50-11:10	The degree of stenosis - US vs CTA	W. Mess
11:10-11:30	The utility of ultrasound in dementia	A. Pavlovic
11:30-12:45	<b>Hands-on training:</b> TCD scanning protocol TCCD vascular examination principles and interpretation Optic nerve sheath diameter US examination of the pupil Nerves and muscles	C. Kulyk, P. Castro N. Carraro C. Brunner C. Baracchini S. Schreiber
12:45-13:30	<b>Lunch</b>	
	<b>Hands-on training:</b>	
13:30-13:40	Parenchymal ultrasound examination	Stations 4-5 M. Mijajlovic, M. Budisic
13:40-13:50	US of temporal arteries	Station 4 B. Malojcic
13:50-14:00	TCD vasoreactivity tests	Stations 1-3 P. Castro, J. Pretnar Oblak
14:00	<b>Closing</b>	