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Transcranial Doppler (TCD)
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www.dwlt.de
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Dear participants,
Dear colleagues,
Dear friends,

It is an honor for me to cordially invite you on behalf of the European Society of Neurosonology and Cerebral Hemodynamics (ESNCH), the executive committee and the local organizing committee in Prague at the 23rd Meeting of the ESNCH.

The conference comes with the well-known combination of education and science. We have extended the topics considerably, following recent years’ development within the fields of brain parenchyma sonography, peripheral nerve and muscle ultrasound as well as in the field of ultrasound guided interventions and therapeutic ultrasound. In addition, we have focused also on topics overlapping with cardiology, psychiatry and neurosurgery. Theory and research will be combined with educative live presentations.

For our industrial exhibition, we have invited a wide spectrum of established as well as new companies on the market which will enable you to get a good impression of today’s diagnostic options.

I hope the conference will be a great opportunity to meet colleagues, world-known experts in neurosonology, present and discuss your projects and research work, exchange your experiences, participate in tutorials and workshops and refine your knowledge and skills!

Enjoy your stay in Prague!

David Školoudík
Sponsors and Exhibitors

Platinum Sponsor

Silver Sponsor

Bronze Sponsor

Exhibitors
Local Organising Committee and Scientific Committee

Prof. David Školoudík, MD, PhD, FESO – Olomouc, Czech Republic
Prof. Roman Herzig, MD, PhD, FESO, FEAN – Hradec Králové, Czech Republic
Aleš Tomek, MD, PhD, FESO – Prague, Czech Republic
Ondřej Škoda, MD, PhD – Jihlava, Czech Republic
Assoc. Prof. Michal Bar, MD, PhD, FESO – Ostrava, Czech Republic
Dagmar Součková, MD – Chomutov, Czech Republic
Petra Kešnerová, MD – Prague, Czech Republic
Petr Šilhán, MD, PhD – Ostrava, Czech Republic
Assoc. Prof. Michal Filip – Zlín, Czech Republic
Assoc. Prof. David Netuka, MD, PhD – Prague, Czech Republic
Prof. Petr Widimský, MD, PhD, FESC, FACC – Prague, Czech Republic
Jiří Fiedler, MD, PhD – České Budějovice, Czech Republic
Prof. Eva Bartels, MD, PhD – Munich, Germany
Milan Voško, MD, PhD – Linz, Austria
Assoc. Prof. Miroslav Brozman, MD, PhD – Nitra, Slovakia
Faculty

Andrei V. Alexandrov – United States of America
Elsa Azevedo – Spain
Claudio Baracchini – Italy
Eva Bartels – Germany
Vladimír Beneš – Czech Republic
Natan M. Bornstein – Israel
Miroslav Brozman – Czech Republic
Valeria Caso – Italy
Lásló Csiba – Hungary
Marina Diomedi – Italy
Michal Filip – Czech Republic
Zsolt Garami – Hungary
Roman Herzig – Czech Republic
Fady T. Charbel – United States of America
Manfred Kaps – Germany
Antonios Kerasnoudis – Greece
Jürgen Klingelhöfer – Germany
Branko Malojčić – Hungary
Milija Mijajlović – Serbia

David Netuka – Czech Republic
Kurt Niederkorn – Austria
László Oláh – Hungary
Luca Padua – Italy
Fabienne Perren – Switzerland
Alex Razumovsky – United States of America
Gerhard-Michael von Reutern – Germany
E. Bernd Ringelstein – Germany
David Russell – Norway
Stephan Schreiber – Germany
Ondřej Škoda – Czech Republic
David Školoudík – Czech Republic
Mickael Tanter – Switzerland
Aleš Tomek – Czech Republic
Jose M. Valdueza – Germany
Edoardo Vicenzini – Italy
Milan R. Voško – Austria
Uwe Walter – Germany
Rezzak Yilmaz – Germany
Presentation Guidelines

General

English is the only official language of ESCHN 2018 Prague, therefore all types of presentations must be prepared and delivered in English. The time reserved for each presentation varies according to the presentation and session type.

Oral Presentations

Oral presentations are organized in 90-minute sessions comprising 4–6 presentations in 10–30-minute intervals according to the programme.
Authors are asked to follow the assigned time strictly, the remaining time for the presentation and discussion will be announced and controlled by the session chair.

Supported Presentation formats

Please, prepare your presentation preferably using PowerPoint version 2010 or 2013, however versions 2007 and 2003 are also supported.

Supported file types:

- Presentation: PPT, PPA, PPTA, PPTX, PDF
- Video: AVI, MPG, MKV, MOV, MP4, WMV
- Audio: WMA, MP3, WAV

Please note the presentation needs to be prepared in 16:9 ratio.

Slide preview room – uploading your presentation onsite

You will be assisted in the SLIDE PREVIEW ROOM by the technicians, who will help you upload your presentation to the intranet. You will also be able to review your presentation and to verify that it has been transferred correctly to the network.

Your presentation must be uploaded as much in advance as possible, but no later than TWO HOURS BEFORE the beginning of the respective session. Presentations for an early morning session must be uploaded the day before.

When uploading multimedia files, do not forget to double check all your video files and all links to these multimedia that files are functional.

Please note that for Tutorial presentations slide preview room will not be available. Make sure that you will bring your presentation on USB directly to the lecture room well before your session will start.

In the Lecture Room

Your presentation will be transferred directly to the lecture room through the intranet.

Once the presentation is launched on the computer in the respective lecture room, you will advance your own slideshow using the remote control.

All speakers are requested to be present in the lecture room 10 MINUTES BEFORE the session starts to meet with the session chair. Please, do not come at the last minute with your own computer into the lecture room: you will NOT BE ABLE to connect it. All presentations must be uploaded in the SLIDE PREVIEW ROOM beforehand.

If any problems occur, there will be assistance staff in each lecture room.
Poster Presentations

Only electronic posters will be acceptable at the conference. E-poster presentations are organized in two one-hour Poster guided tours. The session is divided into four groups (8 presentations each).

Sunday, April 15th, 12:30 – 13:30
Groups A, B, C, D

Sunday, April 15th, 18:00 – 19:00
Groups E, F, G, H

Within a session, electronic posters could be presented by authors. Duration of presentations is 4 minutes followed by a 3-minute discussion around posters in the remaining time. All authors can use 1-page e-poster or e-presentation with up to 7 slides during presentation.

Authors are asked to follow the assigned time strictly, the remaining time for the presentation and discussion.

Poster Dimensions

If you have not sent your poster in advance, please upload it in the SLIDE PREVIEW ROOM no later than two hours before the beginning of the respective poster guided tour.

All e-posters have to be prepared in PDF format, portrait orientation, FullHD resolution (1920 × 1080 px) and can contain up to 7 slides.
Social Programme

Get Together

Saturday 14 April, 20:00–21:30, Exhibition area, Vienna House Diplomat Prague

All congress participants and accompanying persons are kindly invited to take part in the opening Get Together which will be held right after the Opening Ceremony at the congress venue Diplomat. Light cocktail refreshment will be served.

*Included in the registration fee, attendance confirmation required (during registration).*


Meeting Dinner

Sunday 15 April, 19:45–23:30, Velká Klášterní restaurant, Strahovské nádvoří 302/11, 118 00 Prague 1

*Not included in the registration fee.*

Tickets: 60 EUR, onsite: 70 EUR (for tickets, please visit the registration desk)

Besides the comprehensive scientific program, ESNCH is going to be a perfect opportunity to build up and strengthen your social networks and friendships.

Restaurant Velká Klášterní is located in the building of a monastery with a very long history. The brewery – restaurant thus carries on with a very long tradition. Besides traditional black and wheat beer, the cuisine of this restaurant offers South Bohemian specialities made according to original recipes from the 16th–19th centuries. Enjoy a typical Czech evening with beer and local cuisine!

Programme

19:45 Welcome
20:15 Buffet dinner
21:15 Social Programme – Quiz Show
22:30 DJ
23:30 End

Transfer arranged at 19:15 from Vienna House Diplomat Prague. Transfers back to the venue will be provided as of 22:30.
Floorplan

Vienna House Diplomat Prague
List of Exhibitors

<table>
<thead>
<tr>
<th>Booth</th>
<th>Exhibitor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Boehringer Ingelheim GmbH</td>
</tr>
<tr>
<td>2.</td>
<td>Neural Analytics</td>
</tr>
<tr>
<td>3.</td>
<td>PAJUNK® GmbH Medizintechnologie</td>
</tr>
<tr>
<td>4.</td>
<td>Compumedics Germany / DWL</td>
</tr>
<tr>
<td>5.</td>
<td>Atys medical</td>
</tr>
<tr>
<td>6.</td>
<td>BIONIK Stapro Group s. r. o.</td>
</tr>
<tr>
<td>7.</td>
<td>PROMEDICA PRAHA GROUP, a.s.</td>
</tr>
<tr>
<td>8.</td>
<td>Viasonix</td>
</tr>
<tr>
<td>9.</td>
<td>Shenzhen Delica Medical Equipment Co., Ltd</td>
</tr>
<tr>
<td>10.</td>
<td>Canon Medical Systems Europe BV</td>
</tr>
<tr>
<td>11.</td>
<td>Vinno</td>
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</tbody>
</table>
Company Profiles

Booth nr. 5.

**Company Name: Atys medical**

<table>
<thead>
<tr>
<th>Contact Person</th>
<th>Christine TURLAT</th>
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</thead>
<tbody>
<tr>
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<td>+33 6 89 49 10 88</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:atys@atysmedical.com">atys@atysmedical.com</a></td>
</tr>
<tr>
<td>Website</td>
<td><a href="http://www.atysmedical.com">www.atysmedical.com</a></td>
</tr>
</tbody>
</table>

Atys is a French company that has been manufacturing transcranial Doppler for more than 25 years.

Innovation is at the core of its business.

In 1996, Atys implemented an oesophageal Doppler cardiac output monitoring module in a transcranial Doppler.

Atys put the first and unique transcranial Doppler Holter on the market in 2012.

In 2017, Atys released the new WAKle. It is a unique conventional bilateral transcranial Doppler:

- It can be fitted with robotized transcranial Doppler probes (easier to find the signal, signal tracking during recording for improved reliability)
- A battery allows the users to take the WAKle anywhere. It also makes the displacement from one bed to the other easier (no need to find a plug, no boot)
- Any depth can be post-processed after the acquisition of the signal
- When the monitoring goes on, it is possible to review and check past events

Booth nr. 1.

**Company Name: Boehringer Ingelheim GmbH**

<table>
<thead>
<tr>
<th>Contact Person</th>
<th>Thomas Fischer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telephone</td>
<td>+40 173 290 4559</td>
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<tr>
<td>Email</td>
<td><a href="mailto:thomas.fischer@boehringer-ingelheim.com">thomas.fischer@boehringer-ingelheim.com</a></td>
</tr>
<tr>
<td>Website</td>
<td><a href="http://www.boehringer-ingelheim.com">www.boehringer-ingelheim.com</a></td>
</tr>
</tbody>
</table>

Boehringer Ingelheim is one of the world’s 20 leading pharmaceutical companies. Boehringer Ingelheim led the way in stroke care by developing the only licensed blood clot dissolving treatment (thrombolytic) for acute ischaemic stroke therapy. Boehringer Ingelheim was the first company to bring a non-Vitamin K oral anticoagulant to the market and has recently introduced the first specific reversal agent for an anticoagulant treatment.

The company also initiated the Angels Initiative: a programme that helps doctors to set up and optimise acute stroke networks with the support of local and international stroke societies. The Angels Europe initiative is a non-promotional, pan-European health care project of Boehringer Ingelheim to support the ESO (European Stroke Organisation) in achieving its main goal: to improve the stroke care across Europe. Visit www.angels-initiative.com for more information.
Booth nr. 6.

**Company Name: BIONIK Stapro Group s.r.o.**

- **Contact Person:** Michal Kyncl
- **Telephone:** +420 605 231 418
- **Email:** kyncl@bionik.cz
- **Website:** www.bionik.cz

We are a supplier and the authorized service center for MINDRAY ultrasounds; FUKUDA DENSHi ECGs and patient monitors; RUDOLF surgical instruments and optics; HOFER, ChM and MedXpert bone implants.

Booth nr. 10.

**Company Name: Canon Medical Systems Europe BV**

- **Contact Person:** Jacqueline de Graaf
- **Telephone:** 0031(0)793689222
- **Email:** marketing.eu@eu.medical.canon
- **Website:** https://eu.medical.canon

Canon Medical Systems Europe, a Canon Group organization, headquartered in Zoetermeer, The Netherlands, markets, sells, distributes and services radiology and cardiovascular systems, including CT, MR, ultrasound, X-ray and interventional X-ray equipment. For more information, visit the Canon Medical Systems Europe website: https://eu.medical.canon

Booth nr. 4.

**Company Name: Compumedics Germany / DWL**

- **Contact Persons:**
  - Monique Milatz, Sales & Marketing Manager
  - Romana Heile, Sr. Application Specialist & Education Manager
- **Telephone:** +49 7731 797690
- **Email:** info@dwl.de
- **Website:** www.dwl.de

Developing and manufacturing medical devices for Transcranial Doppler Sonography (TCD) is the core competence of Compumedics Germany GmbH. We have been working at the highest level of innovation on further developing and perfecting transcranial Doppler sonography for many years.

Our headquarters in Singen, near Lake Constance in the tri-border region of Germany, Austria and Switzerland, reflects two main aspects of our self-image: on the one hand, our strong roots in the German engineering tradition and on the other hand, looking beyond the national horizon to the global application of Doppler sonography.
Booth nr. 2.

**Company Name: Neural Analytics**

Contact Person: Kevin Lai  
Telephone: 949-241-9379  
Email: kevin.lai@neuralanalytics.com  
Website: www.neuralanalytics.com

Neural Analytics, Inc. was founded in 2013 to create products and services to measure, diagnose, and track brain health. The company’s current focus is on acute ischemic stroke, traumatic brain injury, and dementia. They combine leading data science with cutting edge hardware to allow first responders and clinicians to accurately assess and monitor brain health issues. Their devices are designed to be portable, autonomous, reliable, and produce precise and objective physiological measurements for medical responder monitoring of neural disorders.

Booth nr. 3.

**Company Name: PAJUNK® GmbH Medizintechnologie**

Telephone: +49 (0) 7704 92910  
Email: info@pajunk.com  
Website: www.pajunk.com

PAJUNK® – Pioneering medical technology. Since 1965 the independent family business growth continuously. PAJUNK® offers a large variety of products in four business segments. In regional anaesthesia, pain therapy & neurology, PAJUNK® is a market leader as full-range supplier for all single shot & continuous methods, offering products systems of cannulas, catheters & nerve stimulation devices.

Booth nr. 7.

**Company Name: PROMEDICA PRAHA GROUP, a.s.**

Contact Person: Mgr. Jakub Swierkosz  
Telephone: +420305209149  
Email: swierkosz@promedica-praha.cz  
Website: www.promedica-praha.cz

In our line of business we realise the responsibility we have towards physicians, healthcare professionals as well as patients. With all of them in mind, our vision is to give the physicians the possibility to work with modern and tested products, to offer healthcare professionals more convenient procedures and to create safer and better conditions for patients to improve their health. We believe that by doing so we are contributing to improving the quality of healthcare in the Czech Republic. Our aim is to provide our partners with modern logistic and distribution services – high quality, fast, and precise and with a good name in our specialisation. This requires careful selection of suppliers and thorough knowledge of issues in the health sector. We are here to broaden our clients’ horizons and offer them a wide range of products without burdening their financial budgets. We bring new technologies and the latest R&D innovations to the Czech market.
Booth nr. 9.

**Company Name: Shenzhen Delica Medical Equipment Co., Ltd**

<table>
<thead>
<tr>
<th>Contact Person</th>
<th>Chao Duan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telephone</td>
<td>+86-755-86210116</td>
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<tr>
<td>Email</td>
<td><a href="mailto:overseas@delicasz.com">overseas@delicasz.com</a></td>
</tr>
<tr>
<td>Website</td>
<td><a href="http://www.delicasz.com/html/en">www.delicasz.com/html/en</a></td>
</tr>
</tbody>
</table>

Delica is always focusing on neurology medical equipment product research and development, production, marketing and sales, especially in Transcranial Doppler (TCD), Multi-functional Vascular Ultrasound System (MVU), and Digital Electroencephalogram etc.

Booth nr. 8.

**Company Name: Viasonix**

<table>
<thead>
<tr>
<th>Contact Person</th>
<th>Dan Manor</th>
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<tbody>
<tr>
<td>Email</td>
<td><a href="mailto:dan@viasonix.com">dan@viasonix.com</a></td>
</tr>
<tr>
<td>Website</td>
<td><a href="http://www.viasonix.com">www.viasonix.com</a></td>
</tr>
</tbody>
</table>

Viasonix is an international leader in providing advanced TCD and peripheral vascular diagnosis solutions. Viasonix is an ISO 13485 certified company, and its’ 2 main product lines include the Dolphin TCD and the Falcon PVD product lines. The Falcon and Dolphin have numerous international regulatory approvals, including CE, FDA, and many others. The Dolphin TCD product line is distributed internationally and includes the Dolphin/4D system which is a complete stand-alone system with integrated computer and touchscreen display and the Dolphin/IQ which is a module that connects to a PC. The Dolphin is a significant upgrade to the leading Sonara TCD systems, and was developed by the same team. It is considered the most advanced TCD device in the market today. It includes all of the standard known TCD features such as: support for intraoperative Doppler, analog or digital input/output of external channels, advanced emboli detection, and much more. However, it also includes numerous additional options and features which are not available with other commercial TCD systems today. In addition, the Dolphin’s extremely user friendly interface is un-paralleled and provides a special experience to operators.

Booth nr. 11.

**Company Name: Vinno Technology Co., Ltd**

<table>
<thead>
<tr>
<th>Contact Person</th>
<th>Lucas Wei</th>
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</thead>
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<td>Email</td>
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</tr>
<tr>
<td>Website</td>
<td><a href="http://www.vinnomed.com">www.vinnomed.com</a></td>
</tr>
</tbody>
</table>

VINNO was founded in Suzhou Industrial Park in 2010 by a team with extensive ultrasound development experience. VINNO focuses on the development and manufacture of high-end color Doppler ultrasound diagnostic systems and offers accessible medical solutions through continuous innovation.
General Information

Airport

Václav Havel Airport Prague handles flights from within Europe and from overseas. It is located 30–45 minutes by car from the centre of Prague. There are good connections between the airport and the city centre by public transport – buses and taxis.

**Airport information – nonstop phone line**
Tel.: +420 220 111 888
AFTN: LKPRYDYX
SITA: PRGCZ7X, PRVCZ7X
www.prg.aero

Abstracts

Abstracts to be published in the Supplement 1 of the European Journal of Neurology (https://onlinelibrary.wiley.com) and on the meeting website too.

Arrival to Meeting Venue – Vienna House Diplomat Prague

Vienna House Diplomat Prague is easily and comfortably reached by car as well as by public transport. The venue is located close to Prague city centre – at walking distance to the metro line A - Dejvická station.

**From the main railway station:** The easiest way is to take the nr. 26 tram towards Divoká Šárka and alight at Dejvická. (Journey time: approx. 20 mins. Fare: approx. EUR 1*).

**From Prague Václav Havel Airport:** Vaclav Havel Airport Prague is situated about 10km from the hotel. Take the nr. 119 bus (the bus stop is located directly in front of Terminals 1 and 2) to Nádraží Veleslavín. Change here and take the Line A underground train in the direction of Depo Hostivař. Alight at Dejvická. (Journey time: approx. 30 mins. Fare: approx. EUR 1*)

Arrival to Tutorials – University Hospital Motol

University Hospital Motol is located directly on the metro line A – Nemocnice Motol station, only 4 stops from Dejvická station.

**Muzeum Station (metro line A): Partial closure of the platform – direction to Nemocnice Motol**

Due to reconstruction of the second part of the station, the platform of the metro line A for the direction to Nemocnice Motol in the Muzeum station will be closed from **Wednesday, the 3rd of January 2018** (from the launch of daytime operation) to **May 2018**. Trains in this direction pass through the station.

• For a ride to the Muzeum station in the direction from Depo Hostivař, it is necessary to travel up to the Můstek station and subsequently change to a train in the opposite direction.
• For departure from the Muzeum station in the direction to Nemocnice Motol, it is possible to use a train in the direction to Depo Hostivař and change in the Náměstí Míru station to a train in the opposite direction.

Badges

Name badges will be provided during the onsite registration, and they must be worn when attending the sessions and official meeting programme.
Cash points
Vienna House Diplomat Hotel: There is a cash machine at the venue. ČSOB, Air Bank and Fio are located right along the Evropská street (direction Dejvická station).
University Hospital Motol: Česká spořitelna and MONETA Money Bank cash points are located in the central hall of the main building – in the part for the adult patients.

Certificate of Attendance
Certificates will be emailed to all registered delegates after the conference.

Cloakroom
The cloakroom is located in the room Berlin.

Currency / Exchange
The Czech currency is called the Czech crown (CZK). Exchange offices are located all around the city centre (exchange offices, banks, post offices).

Doctor / First Aid
In urgent matters, dial 112 to get specialized help. No first aid service is available at the Meeting venue.
For medical assistance of non-urgent character, a local clinic may be helpful. The closest state-owned hospital (University Hospital Motol) with non-stop service is located in Prague 5 (approx. 15 mins by taxi from the Meeting venue).
The Motol University Hospital
V Úvalu 84
150 06 Prague 5
Tel.: +420 224 433 681, +420 224 433 682, +420 224 433 674
cizinecke@fnmotol.cz
www.fnmotol.cz/foreigner-acute-s-department.html

Emergency
General emergency 112
Police 158
Fire department 150
Emergency medical service 155

Exhibition Opening Hours
Saturday, 14 April 18:00–21:30
Sunday, 15 April 08:30–19:00
Monday, 16 April 08:00–15:00

Food and Beverages
Vienna House Diplomat: Coffee breaks (2× Sunday, 2× Monday) and lunch (Sunday, Monday) are included in the Delegate registration fee and will be served within the Exhibition area and the Loreta restaurant.
University Hospital Motol: Coffee breaks (2× Friday, 2× Sunday) are included in the Delegate registration fee. They will be served in front of the Lecture Hall and within the Workshop area.

Insurance and Liability
The Organisers will accept no liability for personal injuries sustained by or for loss or damage to property belonging to Meeting participants, accompanying persons either during or as a result of the Meeting or during all tours and events. Participants are strongly recommended to seek insurance cover- age for health and accident, lost luggage and trip cancellation.

Lost & Found
A lost and found service is available at the registration desk.

Meeting Secretariat
C-IN
Prague Congress Centre
5. kvetna 65
140 21 Prague 4
Mobile Application

How to preview your App:

1. Search the App Store for “Superevent” or scan the QR code.
2. Download the Superevent app.
3. Then search the event “ESNCH 2018” to open the application and see the Meeting details.

Programme Changes

The organisers cannot assume liability for any changes in the programme due to the external or unforeseen circumstances.

Mobile Phones

Participants are kindly requested to keep their mobile phones in the off position in the meeting rooms while sessions are being held.

Pharmacy

Vienna House Diplomat Prague: The nearest pharmacy is located in Vítězné náměstí, about 10 minutes walking distance from the Meeting venue.

Dr. Max Pharmacy
Vítězné náměstí 997/13
Opening hours: nonstop

University Hospital Motol: There are two pharmacies in the hospital. The first one is located in Directorate building and is opened nonstop. The second one is in the central hall of the main building – in the part for the adult patients – and is opened from Monday to Friday from 8 AM to 4 PM.

Registration

Vienna House Diplomat Prague
Saturday, 14 April 16:00–20:30
Sunday, 15 April 08:00–18:30
Monday, 16 April 08:00–15:00

University Hospital Motol
Friday, 13 April 08:00–17:30
Saturday, 14 April 07:30–17:00

Registration hotline: +420 727 803 209

Safety

Prague is among the most popular destinations in the world. Statistics show that when compared to other major European cities like Paris, Rome or Madrid the rate of crime is much lower in Prague. A night walk around the city is relatively safe but, of course, like in all other big cities with a high culmination of people we recommend handling your personal belongings with utmost care.

Shopping

Most shops in Prague are open from 9:00 to 18:00, Monday through Saturday. Shops in the city centre are usually open from 09:00–20:00, Monday through Sunday.

Slide Preview Room

Vienna House Diplomat Prague: Is located near the registration area (Room Paris). Please make sure to hand in your presentation at least 2 hours prior to the start of
your assigned session. Private computers should not be used. Our staff in the speakers’ preview room will be happy to assist you during the opening hours:

Saturday, 14 April 16:00–18:30
Sunday, 15 April 08:00–18:30
Monday, 16 April 07:45–15:00

University Hospital Motol: Please note that for Tutorial presentations slide preview room will not be available. Make sure that you will bring your presentation on USB directly to the lecture room well before your session will start.

Smoking Policy

Please note that smoking is not permitted in the venue.

Taxi

In the city centre taxis are easy to hail from the street but we strongly recommend that you use hotel taxis or obtain taxis by phone through the radio taxi service e.g. AAA (+420 14 014), City taxi (+420 257 257 257) or Speed cars (+420 224 234 234).

Boarding charge: approximately 40 CZK. Journeys within the city: approximately 28 CZK / 1 km.

Tipping

Service is usually included in the bill in bars and restaurants but tips are welcome. If you consider the service good enough to warrant a tip, suggested level is around 10%.

Venue

Meeting Venue – Vienna House Diplomat Prague
Evropská 15
160 41 Prague 6
Czech Republic
info@diplomathotel.cz
+420 296 559 111

Tutorials and Hands-on Teaching Courses – University Hospital Motol
V Úvalu 84
150 06 Praha 5
Czech Republic

WiFi

There is a free WiFi internet connection available at both venues.
No password required.
Detailed Scientific and Workshop Programme

13. 04. 2018, University Hospital Motol

Tutorial 1: Heart and Brain – Assessing Hemodynamics
Small left hall

Chair: Tomek A. (CZ)

09:00  T 01 NEUROSONOLOGY IN INDICATION OF ANTICOAGULATION
       Tomek A. (CZ)

09:35  T 02 THE ROLE OF ECHOCARDIOGRAPHY IN PATIENTS AFTER ISCHEMIC STROKE
       Vavrova J. (CZ)

10:10  T 03 MONITORING THE BRAIN DURING INVASIVE CARDIOVASCULAR EXAMINATIONS AND SURGERY
       Russell D. (NO)

Hands-on Teaching Course 1: Carotid Arteries
Room 4, Room 5, Room 6a, Room 6b

09:00 – 10:45
Školoudík D., Součková D., Diomedi M., Von Reutern G., Brozman M.

Tutorial 2: Ultrasound in Neurosurgery
Small left hall

Chair: Herzig R. (CZ)

11:00  T 05 THE UTILISATION OF ULTRASOUND FOR NAVIGATION IN NEUROSURGERY
       Filip M. (CZ)

11:35  T 04 TRANSCRANIAL DOPPLER MONITORING IN NEUROSURGERY
       Netuka D. (CZ)

12:10  T 06 DETECTION AND TREATMENT OF ACUTE CAROTID OCCLUSION
       Herzig R. (CZ)

Hands-on Teaching Course 2: Vertebral and Subclavian Artery
Room 4, Room 5, Room 6a, Room 6b

11:00 – 12:45
Bartels E., Škoda O., Kaps M., Bar M.
Tutorial 3: Neurosonology in Stroke Prevention
Small left hall
Chair: Bartels E. (DE)

13:45 T 08 ASSESSMENT OF CAROTID SYSTEM
Diomedi M. (IT)

14:20 T 07 CAROTID ARTERIES: GRADING OF STENOSIS
Klingelhofer J. (DE)

14:55 T 09 TRANSCRANIAL COLOR-CODED DEXEP DUPLEX ULTRASONOGRAPHY – EXAMINATION TECHNIQUE AND PATHOLOGICAL FINDINGS
Bartels E. (DE)

Hands-on Teaching Course 3: Peripheral Nerves and Muscles
Room 4, Room 5, Room 6a, Room 6b

13:45 – 15:30
Padua L., Kerasnoudis A., Minks E., Kuliha M.

Tutorial 4: Transcranial Applications of Ultrasound – TCD/TCCS/TCS
Small left hall
Chair: Škoulodík D. (CZ)

15:45 T 10 POSTERIOR CIRCULATION EVALUATION WITH US IMAGING
Vicenzini E. (IT)

16:20 T 11 CEREBRAL MICROEMBOLUS DETECTION USING TRANSCRANIAL DOPPLER
Škoulodík D. (CZ)

16:55 T 12 INDICATIONS FOR TRANSCRANIAL DOPPLER AND TRANSCRANIAL DUPLEX SONOGRAPHY
Garami Z. (HU)

Hands-on Teaching Course 4: Ultrasound of Orbita / Ultrasound during Interventions
Room 4, Room 5, Room 6a, Room 6b

15:45 – 17:30
Malojčić B., Perren F., Kuliha M., Škoda O., Součková D.
14. 04. 2018, University Hospital Motol

Tutorial 5: TCS in Psychiatric and Neurodegenerative Diseases
Small left hall
Chair: Walter U. (DE)

08:00  T 14  TRANSCRANIAL SONOGRAPHY OF RAPHEAL ZONE
       Silhan P. (CZ)
08:35  T 13  TCS IN NEURODEGENERATIVE DISEASES WITH SYMPTOMS OF COGNITIVE DECLINE
       Yilmaz R. (DE)
09:10  T 15  TCS IN DEEP BRAIN STIMULATION
       Walter U. (DE)

Hands-on Teaching Course 5: Transcranial Doppler
Room 4, Room 5, Room 6a, Room 6b
08:00–09:45
Garami Z., Školoudík D., Razumovsky A., Škoda O., Alexandrov A. V.

Tutorial 6: Neurosonology in the Intensive Care Unit
Small left hall
Chair: Vosko M. R. (AT)

10:00  T 16  ULTRASOUND APPLICATION IN NEUROINTENSIVE CARE PATIENTS
       Vosko M. R. (AT)
10:35  T 17  SONOLYSIS – ACTIVATION OF FIBRINOLYTIC SYSTEM BY ULTRASOUND
       Kuliha M. (CZ)
11:10  T 18  DIAGNOSIS OF CEREBRAL CIRCULATORY ARREST TO SUPPORT BRAIN DEATH DIAGNOSIS
       Azevedo E. (PT)

Hands-on Teaching Course 6: Transcranial Color-Coded Duplex Sonography
Room 4, Room 5, Room 6a, Room 6b
10:00–11:45
Školoudík D., Bartels E., Oláh L., Valdueza J. M.
Tutorial 7: Revascularization in Acute Ischemic Stroke
Small left hall
Chair: Csiba L. (HU)

13:00  T 19  THE ROLE OF VWF, FVIII, ADAMTS13 AND INFLAMMATORY RESPONSE IN THE OUTCOME OF ACUTE ISCHEMIC STROKE MECHANICAL THROMBECTOMY PROCEDURE
Prochazka V. (CZ)

13:35  T 20  ULTRASOUND ALLOWS A MORE RATIONAL SELECTION FOR ARTERIAL REVASCULARIZATION IN THE ACUTE STROKE PATIENT
Azevedo E. (PT)

14:10  T 21  HOW TO USE ULTRASOUND METHODS IN PHARMA TRIALS?
Csiba L. (HU)

Hands-on Teaching Course 7: Transcranial Sonography – Brain Parenchyma Imaging
Room 4, Room 5, Room 6a, Room 6b

13:00 – 14:45
Školoudík D., Walter U., Yilmaz R., Mijajlović M.

Tutorial 8: Assessment of Cerebral Hemodynamics
Small left hall
Chair: Malojčic B. (HR)

15:00  T 22  ULTRASOUND IN VASCULAR COGNITIVE IMPAIRMENT AND ALZHEIMER’S DISEASE
Malojčic B. (HR)

15:35  T 23  CEREBRAL VASCULITIDES. DIAGNOSIS AND TREATMENT
Ringelstein E. B. (DE)

16:10  T 24  MR NOVA FOR ASSESSMENT OF CEREBRAL HEMODYNAMICS
Charbel F. T. (US)

Hands-on Teaching Course 8: Fusion Imaging Technique
Room 4, Room 5, Room 6a, Room 6b

15:00 – 16:45
Schreiber S., Školoudík D.
14. 04. 2018, Vienna House Diplomat Prague

Opening Ceremony
Baracchini C. (IT), Školoudík D. (CZ)

18:00  F 01  NEUROSONOLOGY IN THE CZECH REPUBLIC  
Škoulodík D. (CZ)

18:15  F 02  ESNCH NEWS  
Baracchini C. (IT)

18:30  F 03  WHO ARE WE? WHERE DO WE COME FROM? WHERE ARE WE GOING?  
Beneš V. (CZ)

19:00  F 04  FUNCTIONAL ULTRASOUND IMAGING OF BRAIN ACTIVITY USING ULTRAFAST ULTRASOUND  
Tanter M. (FR)

Get together
Exhibition area

20:00  All congress participants and accompanying persons are kindly invited to take part in the Get Together at the Exhibition area.
15. 04. 2018, Vienna House Diplomat Prague

Scientific Session I (Acute Stroke – Joined ESO-ESNCH Session)

Prague A+B+C

Chairs: Bornstein N. M. (IL), Mikulík R. (CZ), Kneihsl M. (AT)

09:00  F 05  NEW TREATMENT METHODS IN ACUTE STROKE
        Caso V. (IT)

09:20  F 06  UPDATE ON SONOTHROMBOLYSIS AND THE LAUNCH OF TRUST TRIAL
        Alexandrov A. V. (USA)

09:40  F 07  QUALITY MONITORING IN ACUTE STROKE (RES-Q)
        Mikulík R. (CZ)

09:55  F 08  THE PLACE OF ULTRASOUND IN ACUTE ISCHEMIC STROKE – IS IT USEFUL?
        Bornstein N. M. (IL)

10:10  F 09  NEUROSONOLOGY FOLLOW UP OF MECHANICAL THROMBECTOMY
        Niederkorn K. (AT)

10:25  O 01  ROLE OF ULTRASOUND IN EVT-TREATED PATIENTS
        Baracchini C. (IT)

10:40  O 02  TCD THROMBOLYSIS IN BRAIN ISCHAEMIA (TIBI) CLASSIFICATION
        SUFFICIENTLY DETECTS RECANALIZATION GRADE AFTER STROKE
        THROMBECTOMY
        Kneihsl M. (AT)

Scientific Session II (Joined ESMINT-EAN-NSRG-ESNCH session)

Prague A+B+C

Chair: Meneghetti G. (IT), Baracchini C. (IT), Netuka D. (CZ)

11:00  O 03  NETWORK OF EUROPEAN REFERENCE CENTERS IN NEUROSONOLOGY
        (ERNSONO)
        Kaps M. (DE)

11:20  O 04  PLAQUE AT RISK, MICROEMBOLI AND INFLAMMATION
        Del Sette M. (IT)

11:40  O 05  MININVASIVE NEUROINTERVENTIONS
        Krajina A. (CZ)

12:00  O 06  SONOLYSIS IN PREVENTION OF BRAIN INFARCTIONS DURING INTERNAL
        CAROTID ENDARTERECTOMY (SONOBIRDIE) TRIAL – AN ONGOING RANDOMIZED
        CONTROLLED TRIAL
        Netuka D. (CZ)

12:20  O 07  MICROEMBOLI AFTER CAROTID ENDARTERECTOMY: DATA FROM
        1062 PATIENTS FROM TWO CENTERS
        Mess W. (NL)
Scientific session III (Primary and Secondary Stroke Prevention)
Prague A+B+C

Chairs: Gupta V. (IN), Ringelstein E. B. (DE), Zamani M. (NO)

13:30  O 08 THE UNSTABLE CAROTID ARTERY PLAQUE  
Russell D. (NO)

13:50  O 09 TODAY’S VIEW ON THE DETECTION AND TREATMENT OF ASY CAROTID STENOSIS  
Ringelstein E. B. (DE)

14:10  O 10 INTRAPLQUE HEMORRHAGE IN SYMPTOMATIC AND ASYMPTOMATIC PROGRESSIVE CAROTID ARTERY STENOSIS – PILOT STUDY  
Roubec M. (CZ)

14:20  O 11 CAROTID ARTERY PLAQUE DIMENSION CHANGES DURING THE CARDIAC CYCLE: THE PLAQUE AT RISK (PARISK) STUDY  
Mess W. (NL)

14:30  O 12 MULTIMODAL IMAGING OF THE UNSTABLE CAROTID PLAQUE: SUPERB MICROCULAR VASCULAR IMAGING (SMI) AND CONTRAST-ENHANCED ULTRASOUND (CEUS) OF NEOVASCULARIZATION  
Zamani M. (NO)

14:40  O 13 ROLE OF TCD EMBOLI-MONITORING IN EVALUATION OF EFFICACY OF ANTICOAGULANT THERAPY IN PATIENTS WITH NONVALVULAR ATRIAL FIBRILLATION  
Nosáľ V. (SK)

14:50  O 14 USE OF TRANSCRANIAL AND EXTRACRANIAL SONOGRAPHY TO PREDICT STROKE IN SICKLE CELL DISEASE CHILDREN  
Gupta V. (IN)

Scientific Session IV (Peripheral nerves and muscles – Joined ISPNI-ESNCH Session)
Prague A+B+C

Chairs: Coraci D. (IT), Kuliha M. (CZ), Kerasnoudis A. (GR)

15:15  O 15 DYSIMMUNE, METABOLIC AND HEREDITARY NEUROPATHIES: IS ULTRASOUND CONTRIBUTIVE AND HOW?  
Kerasnoudis A. (GR)

15:35  F 10 ULTRASOUND-GUIDED BOTULINUMTOXIN INJECTION IN CERVICAL DYSTONIA  
Walter U. (DE)

15:55  O 16 RELATION BETWEEN AGE AND NERVE DIMENSION IN CHARCOT-MARIE-TOOTH DISEASE  
Coraci D. (IT)

16:05  O 17 USEFULNESS OF TRANSORBITAL ULTRASOUND IN BELL’S PALSY  
Kim Y. H. (KR)
16:15  O 18 CORRELATION BETWEEN ULTRASOUND AND ELECTROMYOGRAPHY IN CARPAL TUNNEL SYNDROM DIAGNOSING – PILOT STUDY  
Kuliha M. (CZ)

16:25  O 19 EFFECT OF HOME-BASED NEUROREHABILITATION ON MUSCLE PUMP EFFICACY IN DIABETIC NEUROPATHY – A CULF MUSCLE ULTRASOUND IMAGING STUDY  
Titianova E. (BG)

16:35  O 20 MEDIAN NERVE SONOGRAPHY IN MOTOR NEURON DISEASE  
Esmaeili S. (IR)

Young Scientific Projects  
Prague A+B+C  
Chairs: Kesnerova P. (CZ), Sargento-Freitas J. (PT), Oláh L. (HU)

17:00  O 21 MICROEMBOLIC SIGNALS IN ACUTE STROKE PATIENTS WITH ATRIAL CARDIOPATHY: A PROSPECTIVE STUDY  
Palmieri A. (IT)

17:15  O 22 INTRAVENOUS THROMBOLYSIS IN CENTRAL RETINAL ARTERY OCCLUSION: COOPERATIVE RESEARCH GROUP FOR AN ULTRASOUND-BASED APPROACH (ICARUS)  
Castro P. (PT)

17:30  O 23 SONOLYSIS IN RISK REDUCTION OF SYMPTOMATIC AND SILENT BRAIN INFARCTIONS DURING ACUTE ENDOVASCULAR CORONARY INTERVENTION: RANDOMIZED, CONTROLLED TRIAL  
Viszlayová D. (SK)

17:45  O 24 ULTRASOUND MEASUREMENT OF THE OPTIC NERVE SHEATH DIAMETER IN PREDICTION OF THE CLINICAL OUTCOME OF ACUTE STAGE OF INTRACEREBRAL HAEMORRHAGE  
Bender M. (BA)

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Scientific Session V (Brain Parenchyma – Neurodegenerative and Psychiatric Diseases)  
Prague A+B+C  
Chairs: Mašková J. (CZ), Yilmaz R. (DE), Walter U. (DE)

08:30  F 11 NOVEL APPLICATIONS OF TRANSCRANIAL BRAIN SONOGRAPHY IN NEUROLOGY  
Walter U. (DE)

08:50  O 25 TRANSCRANIAL SONOGRAPHY IN NEURODEGENERATIVE DISEASES  
Mijajlovic M. (RS)
09:00 O 26 NEUROSONOLOGY IN NEUROPSYCHIATRIC DISORDER
Zamani B. (IR)

09:10 O 27 COMPARATIVE STUDY OF THE SUBSTANTIA NIGRA ECHOGENICITY AND 123I-IOFLUPANE SPECT IN PATIENTS WITH PRODROMAL AND CLINICALLY MANIFEST SYNUCLEINOPATHY
Mašková J. (CZ)

09:20 O 28 RAPHE NUCLEI AND SUBSTANTIA NIGRA ECHOGENECITY CHANGES IN SCHIZOPHRENIA
Rohani M. (IR)

Scientific Session VI (Fusion Imaging and Other New Techniques in Ultrasound Diagnostics)
Prague A+B+C

Chairs: Izzo C. (IT), Perren F. (CH)

09:45 O 29 NEW DEVELOPMENTS IN ULTRASOUND
Perren F. (CH)

10:05 O 30 CONTRAST AGENTS IN THE FIELD OF NEUROSONOLOGY
Vicenzini E. (IT)

10:25 O 31 FUSION IMAGING TECHNIQUE
Schreiber S. (DE)

10:45 O 32 DIGITAL IMAGE ANALYSIS IN TRANSCRANIAL SONOGRAPHY
Škoulodík D. (CZ)

11:05 O 33 ELASTOSONOGRAPHY AS AN ULTRASOUND TOOL TO CHARACTERIZE AND QUANTIFY PLAQUE STIFFNESS
Izzo C. (IT)

Scientific Session VII (Therapeutical Ultrasound and Ultrasound in Neurosurgery)
Prague D

Chairs: Omrani F. (IR), Fiedler J. (CZ), Vicenzini E. (IT)

11:30 O 34 HIGH INTENSITY FOCUSED ULTRASOUND IN NEUROLOGY: A REVIEW
Titianova E. (BG)

11:40 O 35 DOPPLER TRANSIT TIME FLOW MEASUREMENT IN VASCULAR NEUROSURGERY
Fiedler J. (CZ)

11:50 O 36 INTRAOPERATIVE ULTRASOUND IMAGING IN SPINAL TUMOR SURGERY
Linzer P. (CZ)

12:00 O 37 PERIOPERATIVE MONITORING OF CEREBRAL CIRCULATION STATUE IN PATIENTS WITH BRAIN ARTERIOVENOUS MALFORMATION
Panuntsev G. (RU)
Scientific Session VIII (Arterial Dissections, Arteriovenous Malformations and Other Vascular Pathologies)

Prague A+B+C

Chairs: Lovrencic-Huzjan A. (HR), Pretnar Oblak J. (SI), Schreiber S. (DE)

11:30 O 38 LEUKOARAIOSIS AND CAROTID ULTRASOUND  
Pretnar Oblak J. (SI)

11:40 O 39 CHANGES IN CRANIOCERVICAL ARTERY DISSECTION  
Lovrencic-Huzjan A. (HR)

11:50 O 40 TRAUMATIC BRAIN INJURY AND TRANSCRANIAL DOPPLER ULTRASOUND  
Razumovsky A. (US)

ESNCH General Assembly

Prague A+B+C

12:00 – 13:00

Scientific Session IX (Patent Foramen Ovale, Impaired Cerebral Hemodynamics, Collateral Circulation, Cognition, Migraine and Intima-Media Thickness)

Prague A+B+C

Chairs: Biegaj E. (PL), Castro P. (PT), Csiba L. (HU)

13:00 O 41 THE ROLE OF TCD IN PFO MANAGEMENT  
Horner S. (AT)

13:20 O 42 HEMODYNAMICS IN NEURODEGENERATIVE DISEASES  
Diomedi M. (IT)

13:40 O 43 THE EFFECT OF A SHORT LASTING ACE-I THERAPY ON IMT ARTERIAL STIFFNESS AND COGNITION  
Csiba L. (HU)

14:00 O 44 MIGRAINE AND THE POSSIBLE ROLE OF THE MIDDLE MENINGEAL ARTERY  
Valdueza J. M. (DE)

14:20 O 45 CEREBRAL AUTOREGULATION IN ACUTE STROKE  
Castro P. (PT)

14:30 O 46 ULTRASONOGRAPHIC FINDINGS IN PATIENTS WITH IMPAIRED CIRCULATION IN VERTEBROBASILAR SYSTEM  
Globa M. (UA)

14:40 O 47 CEREBRAL AUTOREGULATION IN ACUTE HAEMORRHAGIC STROKE: A SYSTEMATIC REVIEW AND META-ANALYSIS OF TRANSCRANIAL DOPPLER STUDIES  
Minhas J. (GB)
14:50  **O 48 INTIMA-MEDIA THICKNESS AND L-ARGININE INDUCED CEREBRAL VASOMOTOR REACTIVITY IN LATER ONSET TYPE 1 DIABETES**
Kozera G. (PL)

**Scientific Session X (Varia)**

Prague D

Chairs: Malojčić B. (HR), Naldi A. (IT), Sargento-Freitas J. (PT)

13:00  **O 49 INTERNATIONAL PROSPECTIVE OBSERVATIONAL STUDY ON INTRACRANIAL PRESSURE IN INTENSIVE CARE (THE SYNAPSE-ICU STUDY)**
Spatenkova V. (CZ)

13:10  **O 50 IMPACT OF BLOOD PRESSURE VARIABILITY IN ACUTE STROKE IS DEPENDENT ON EARLY RECANALIZATION**
Sargento-Freitas J. (PT)

13:20  **O 51 SONOLYSIS IN RISK REDUCTION OF SYMPTOMATIC AND SILENT BRAIN INFARCTIONS DURING CORONARY STENTING (SONOREDUCE): A RANDOMIZED CONTROLLED TRIAL**
Viszlayová D. (SK)

13:30  **O 52 CORRELATION OF INTIMA-MEDIA THICKNESS AND WEIGHT LOSS BETWEEN OBESE PATIENTS**
Bazadona D. (HR)

13:40  **O 53 USEFULNESS OF SIMULTANEOUS EXAMINATION USING NOVEL PROBE ATTACHED TO THE NECK AND TCD FOR DETECTING MICROEMBOLIC SIGNALS – A CASE REPORT**
Mitsumura H. (JP)

13:50  **O 54 THROMBECTOMY DECISION ASSISTED BY ULTRASOUND – PILOT STUDY**
Wojczal J. (PL)

14:00  **O 55 A NOVEL METRIC FOR TRANSCRANIAL DOPPLER ASSESSMENT OF ACUTE ISCHEMIC STROKE**
Thorpe S. (US)

14:10  **O 56 QUANTITATIVE TCD SIGNAL QUALITY ASSESSMENT**
O’Brien M. (US)

14:20  **O 57 EFFECT OF VASOACTIVE STIMULI ON THE NEUROVASCULAR COUPLING**
Olah L. (HU)

14:30  **O 58 AGE RELATED CHANGES IN MIDDLE CEREBRAL ARTERY FLOW VELOCITY: IMPLICATIONS FOR FUTURE TCD STUDIES**
Schaafsma A. (NL)

14:40  **O 59 VALUE OF ULTRASOUND CEREBRAL IMAGING FUSION IN VISUALIZATION OF CEREBRAL VASCULAR LEUKOENCEPHALOPATHY**
Brunner C. (AT)

14:50  **O 60 ULTRASOUND EXAMINATION OF THE PUPIL: A NEW TOOL FOR NEUROLOGICAL ASSESSMENT IN INTENSIVE CARE UNIT PATIENTS**
Farina F. (IT)
Closing Ceremony
Prague A+B+C

15:00  Closing Speech
       Best Poster Award
       Best Young Scientific Project Award
       Invitation ESNCH 2019, Linz, Austria

Side meetings

Sunday, 15 April

12:30 – 13:30  Vienna I  Meeting of the International Certification Commission

Rome  Meeting of the Executive Committee of the Neurosonology Research Group

13:30 – 15:00  Rome  Meeting of the ERNsono centers

17:00 – 18:30  Rome  Workshop: Evaluation of brain structures echogenicity

18:00 – 18:30  Vienna I  Meeting of the Young Scientific Project Committee

19:00 – 19:30  Vienna I  Meeting of the Poster Award Committee

Monday, 16 April

08:00 – 09:45  Vienna I  Meeting of the Executive Committee of the European Society of Neurosonology and Cerebral Hemodynamics
Poster Guided Tour (A, B, C, D)
12:30 – 13:30

Screen A

P 01 ASSESSMENT OF CAROTID INTIMA-MEDIA THICKNESS AND CAROTID PLAQUE FORMATION AMONG PATIENTS WITH ISCHEMIC STROKE AND HEPATITIS C VIRUS INFECTION
Monir D. (EG)

P 02 A COMPARISON OF TRANSCRANIAL DOPPLER (TCD) FINDINGS IN DIABETIC PATIENTS WITH A HISTORY OF LESS AND MORE THAN 5 YEARS
Altafi D. (IR)

P 03 EXTRA AND TRANSCRANIAL SONOGRAPHY FINDINGS IN APHASICS WITH LEFT INTERNAL CAROTID ARTERY, AND/OR LEFT MIDDLE CEREBRAL ARTERY STENOSIS OR OCCLUSION
Jianu D. C. (RO)

P 04 TRANSCRANIAL SONOGRAPHY IN CARRIERS OF GAUCHER DISEASE
Omran F. (IR)

P 05 EVALUATION OF CAROTID ARTERY STENOSIS WITH MR ANGIOGRAPHY AND DOPPLER ULTRASOUND EXAMINATION
Lim D. G. (KR)

P 06 CORRELATION OF SUBSTANTIA NIGRA ECCHOGENISITY AND UPDRS SCORE IN IDIOPATHIC PARKINSON DISEASE
Omran F. (IR)

P 07 RHAFE NUCLEI ECCHOGENICITY IN OCD BY TCCS
Mohammadzade N. (IR)

P 08 CEREBRAL COMPLIANCE ASSESSMENT USING TRANCRANIAL DOPPLER
Brasil S. (BR)

Screen B

P 09 CHANGES OF SONOGRAPHIC FINDINGS AND RESTENOSIS AFTER CAROTID ARTERY STENTING
Lee J. H. (KR)

P 10 INTERNAL CAROTID ARTERY OCCLUSION: SITE AND TYPE OF OCCLUSION WITH ULTRASOUND CONTRAST IMAGING AND CONVENTIONAL STATIC RADIOLOGICAL IMAGING
Izzo C. (IT)

P 11 HEART FAILURE PATIENTS HAVE ENHANCED CEREBRAL AUTOREGULATION RESPONSE IN ACUTE ISCHEMIC STROKE
Castro P. (PT)

P 12 THE DIAGNOSTIC ROLE OF OPTIC NERVE SHEATH DIAMETER ULTRASONOGRAPHY AND DOPPLER INDICES OF RETINAL VESSELS IN DETECTING RAISED INTRACRANIAL PRESSURE
Naldi A. (IT)
P 13  CEREBRAL VASOMOTOR REACTIVITY IN DE NOVO UNILATERAL PARKINSON’S DISEASE: A COMPARISON OF HEMODYNAMIC PARAMETERS AMONG AFFECTED AND HEALTHY HEMISPHERE
Rocco A. (IT)

P 14  DIAGNOSTIC VALUE OF VERTEBRAL ARTERY ULTRASOUND IN PATIENTS WITH ACUTE ISCHEMIC INFARCTION IN THE VERTEBRAL ARTERY TERRITORY
Pretnar Oblak J. (SI)

P 15  RELATIONSHIP BETWEEN PATTERN OF ACTIVATED PATHWAYS AND QUALITY OF COLLATERAL STATUS IN PATIENTS WITH INTERNAL CAROTID ARTERY OCCLUSION
Connolly F. (DE)

P 16  EVALUATION OF THE SYSTOLIC ACCELERATION TIME AS A NEW DIAGNOSTIC PARAMETER TO ASSESS THE DEGREE OF INTERNAL CAROTID ARTERY STENOSIS
Connolly F. (DE)

Screen C

P 17  DEVELOPMENT OF SECONDARY PREVENTION OF REOCCLUSION BY ULTRASOUND
Sawaguchi Y. (JP)

P 18  COGNITIVE FUNCTION, CEREBRAL HEMODYNAMIC AND CAROTID STRUCTURAL CHANGES IN PATIENTS WITH ESSENTIAL HYPERTENSION
Gulkevych O. (UA)

P 19  SUCCESSFUL EMBOLIZATION OF EXTRACRANIAL VERTEBRAL ARTERIOVENOUS FISTULA WITH GIANT PSEUDOANEURYSM: DIAGNOSTIC VALUE OF COLOR-CODED DOPPLERSONOGRAPHY
Valaikiene J. (LT)

P 20  LOCAL CAROTID STIFFNESS IN PATIENTS WITH SMALL VESSEL DISEASE
Velcheva I. (BG)

P 21  CEREBRAL HEMODYNAMICS IN PATIENTS WITH LEFT VENTRICULAR ASSIST DEVICES (LVAD)
Siebler A. (DE)

P 22  KOREAN ASYMPTOMATIC CAROTID ARTERY STENOSIS (K-ACAS) REGISTRY: PROSPECTIVE, MULTI-CENTER STUDY
Kim Y. J. (KR)

P 23  ASYMPTOMATIC CEREBRALVASOCONSTRICTION IN PREECLAMPSIA: A CASE-CONTROL STUDY
Martinez Martinez M. M. (ES)

P 24  THE RELATIONSHIP CEREBROVASCULAR HEMODYNAMICS IN PATIENTS WITH MILD COGNITIVE DYSFUNCTION WITH TRANSCRANIAL DOPPLER HEMODYNAMIC CHARACTERISTICS
Lunina M. (RU)

P 25  TRANSCRANIAL DOPPLER PREDICTIVE VALUE IN PATIENTS WITH CEREBRAL VASOSPASM AFTER ANEURYSMAL SUBARACHNOID HAEMORRHAGE
Globa M. (UA)
Screen D

P 26 EARLY TRANSCRANIAL COLOR-CODED DOPPLER IN THE PREDICTION OF POST-THROMBECTOMY REPERFUSION LESION
Varela R. (PT)

P 27 TRANSCRANIAL SONOGRAPHY (TCS) CAN DIFFERENTIATE BETWEEN BEHAVIORAL VARIANT FRONOTEMPORAL DEMENTIA (FTD) AND OTHER FTD VARIANTS
Akhoundi H. (IR)

P 28 COMPARISON OF HUMAN AND ROBOTICALLY ACQUIRED TRANSCRANIAL DOPPLER WAVEFORMS TOWARDS AUTOMATED ASSESSMENT OF ACUTE ISCHEMIC STROKE
Thorpe S. (US)

P 29 BODY FAT AS A RISK OF CEREBROVASCULAR LESIONS
Suk S. H. (KR)

P 30 INTRACRANIAL B-WAVES IN PATIENTS WITH CAROTID ARTERY STENOSIS AND OCCLUSION
Aliev V. (RU)

P 31 MULTIMODAL IMAGING OF THE UNSTABLE CAROTID PLAQUE: SUPERB MICROVASCULAR IMAGING (SMI) AND CONTRAST-ENHANCED ULTRASOUND (CEUS) OF NEOVASCULARIZATION
Zamani M. (NO)

P 32 NONINVASIVE CEREBROVASCULAR AUTOREGULATION MONITORING IN HEMODIALYSIS PATIENTS: PILOT STUDY
Petkus V. (LT)

P 33 CEREBROVASCULAR AUTOREGULATION IMPAIRMENTS DURING CARDIAC SURGERY WITH CARDIOPULMONARY BYPASS ARE RELATED TO POSTOPERATIVE COGNITIVE DETERIORATION
Petkus V. (LT)

P 34 SIGNIFICANT COGNITIVE IMPROVEMENT AFTER EC-IC BYPASS IN PATIENTS WITH CHRONIC INTERNAL CAROTID OCCLUSION
Kovář M. (CZ)
Poster Guided Tour (E, F, G, H)
18:00 – 19:00

Screen E

P 35 ANTERIOR ISCHEMIC OPTIC NEUROPATHIES: CLINICAL AND ULTRASONOGRAPHIC SPECTRUM
   Jianu D. C. (RO)

P 36 CASE REPORT. BLEEDING THALAMIC-MESENCEFALIC ARTERIOVENOUS MALFORMATION. TCD ULTRASOUND RECORDING OF FLOW VELOCITY BEFORE ANGIOGRAPHIC DIAGNOSIS
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THE ‘ANGELS INITIATIVE’
IMPROVING STROKE CARE TO

Consultancy

The ‘Angels Consultants’, stroke professionals dedicated to helping hospitals assess and improve their stroke procedures.

Standardisation

The Stroke Kit, containing all the tools, protocols and paperwork needed to treat an acute patient at the CT scanner. Just one example of the simple, smart ideas powered by the ‘Angels Initiative’.

Education

The ‘Angels Academy’, an educational platform providing you with world class training including a Stroke Nurse Certification course, simulations training, speaker resources and a hospital training kit.

Angels Europe initiative is a non-promotional, pan-European health care project of Boehringer Ingelheim International GmbH to support the ESO in implementing its main goal, to improve stroke care across Europe. The Angels Initiative is supported by Medtronic.
Join the Angels Initiative and leave your legacy. Visit www.angels-initiative today to find out more.

**Community**

The ‘Angels Community’ offers a platform for the direct exchange of information and experience between ‘Angels Initiative’ participants.

**Quality Monitoring**

The ‘ESO Angels Awards’ uses the European Stroke Organisation’s quality measures to both recognise and celebrate the quality of stroke care and improvements achieved by participating hospitals and their health care professionals.
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