



The Neurosonology  
Research Group  
of the World Federation of Neurology



Österreichische  
Schlaganfall-Gesellschaft



ean  
EUROPEAN ASSOCIATION  
OF NEUROSONOLOGY AND  
CEREBRAL HEMODYNAMICS



ESO  
EUROPEAN STROKE  
ORGANIZATION

# 24<sup>th</sup> Meeting of the European Society of Neurosonology and Cerebral Hemodynamics

## Joint Meeting with Neurosonology Research Group

History Meets Future | Linz, Austria | 5-7 April, 2019  
[www.esnch.org](http://www.esnch.org)

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**Official Title**

24<sup>th</sup> Meeting of the European Society of Neurosonology and Cerebral Hemodynamics  
Joint Meeting with Neurosonology Research Group

**Dates**

**April 5-7, 2019**

**Friday, April 5, 2019**

Teaching Courses  
ESNCH Examination  
Opening and Welcome Reception

**Saturday, April 6, 2019**

Scientific Sessions  
Poster Presentations  
Gala Dinner

**Sunday, April 7, 2019**

Scientific Sessions  
Poster Presentations  
Closing Ceremony

**Venue**

**Palais Kaufmännischer Verein in Linz  
Veranstaltungszentrum e. U.**

Landstraße 49/Bismarckstraße 1-3  
4020 Linz  
Austria  
palaislinz.at/das-veranstaltungszentrum

**Website**

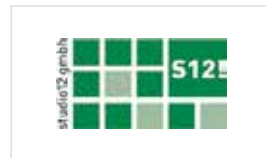
www.neurosonology2019.at

**Congress Organiser  
PCO Tyrol Congress**

Rennweg 3  
6020 Innsbruck  
Austria  
+43 (0)512 5936 1164  
esnch2019@cmi.at  
www.cmi.at

**Exhibition Management and Sponsoring**

**S12! studio12 gmbh**  
Kaiser Josef Straße 9  
6020 Innsbruck  
Austria  
+43 (0)512 890438  
office@studio12.co.at



Dear participants, dear colleagues, dear presenters!

The **24<sup>th</sup> Meeting of the European Society of Neurosonology and Cerebral Hemodynamics (ESNCH)** takes place in Linz (Austria) from April 5-7th 2019. It is a joint meeting with the Neurosonology Research Group (NSRG). This synergy represents a pledge for a successful scientific event and offers an excellent platform for scientific collaboration. Especially, young researchers from the whole globe are invited – please come, present your ideas, gain experience and create networks!

In Linz, you will see, how “History Meets Future”.

In the historical lovely venue location ([www.palaislinz.at](http://www.palaislinz.at)) in the centre of the city, modern ultrasonographic trends, methods and projects will be presented.

You can:

- present and discuss your projects
- create networks
- visit courses and gain practical skills
- pass International Certification in Neurosonology
- learn latest updates in joint sessions with ESO and EAN
- visit and compare major sonographic companies and suppliers
- enjoy the lovely city on the river Danube, between Salzburg and Vienna

Dear friends of Neurosonology, on behalf of the ESNCH, NSRG and the local organising committee we cordially invite you to Linz ([www.linz.at](http://www.linz.at)), a lively modern city that is a member of the UNESCO Creative Cities (UCCN) network as a City of Media Arts.

Come and join us.



Milan R. Vosko  
Chair of the Conference



Claudio Baracchini  
President of the ESNCH



Massimo del Sette  
President of the NSRG  
Co-Chair of the Conference

**Chairs of the Conference**

Milan R. Vosko, MD, PhD, FESO – Linz, Austria  
Prof. Massimo del Sette, MD – Genoa, Italy

**Chair of the Teaching Courses**

Cornelia Brunner, MD – Tulln, Austria

Prof. Claudio Baracchini, MD – Padova, Italy

Prof. Miroslav Brozman, MD – Nitra, Slovak Republic

Stephan Eger, MD – Linz, Austria

Prof. Zuzana Gdovinová, MD, PhD - Košice, Slovak Republic

Lukas Kellermair, MD – Linz, Austria

Markus Kneihsl, MD – Graz, Austria

Prof. Branko Malojcic, MD – Zagreb, Croatia

Prof. Kurz Niederkorn, MD – Graz, Austria

Christoph Schmidauer, MD – Innsbruck, Austria

Prof. David Školoudík, MD, PhD, FESO - Olomouc, Czech Republic

Martin Sojer, MD - Innsbruck, Austria

Aleš Tomek, MD, PhD, FESO - Praha, Czech Republic

## Friday, April 5, 2019

8:30 - 11:45	<b>Teaching Course TC1</b> Extracranial Arteries	<b>Teaching Course TC2</b> Intracranial Arteries	<b>Teaching Course TC3</b> B-Mode Sonography of the Brain - Fusion Imaging
12:30 - 16:45	Certification Exam Neurosonology		
13:00 - 16:15	<b>Teaching Course TC4</b> Nerves and Muscles	<b>Teaching Course TC5</b> Ultrasound in Intensive Care Unit	<b>Teaching Course TC6</b> Assessing Hemodynamics
17:00 - 18:30	Opening Ceremony		
18:30 - 21:00	Welcome Reception		

## Saturday, April 6, 2019

8:30 - 10:00	<b>Opening Session I</b> Joint Session of ESNCH & NSRG	
10:00 - 10:30	Coffee Break	
10:30 - 12:00	<b>Scientific Session II</b> Joint Session of ESO-ESMINT-EAN	
12:00 - 13:30	Lunch Break & Guided Poster Sessions	
13:30 - 15:00	<b>Scientific Session III</b> Trials in Neurosonology	
15:00 - 15:30	Coffee Break	
15:30 - 17:00	<b>Scientific Session IV</b> Cerebrovascular Diseases & Anticoagulation	<b>Scientific Session V</b> Peripheral Nerves and Muscles - Joint Session of ISPNI-ESNCH
17:00 - 17:45	ENSCH General Assembly	NSRG General Assembly
17:45 - 18:45	Meetings	
19:45 - 23:00	ESNCH Gala Dinner	

## Sunday, April 6, 2019

7:30 - 8:30		Morning Meetings of Working Groups
8:30 - 10:00	<b>Scientific Session VI</b> Dedicated to Young Scientists	<b>Scientific Session VII</b> Varia
10:00 - 10:30	Coffee Break	
10:30 - 11:20	<b>Scientific Session VIII</b> Ultrasound on the ICU	
11:20 - 12:00	<b>Scientific Session IX</b> Varia	
12:00 - 13:30	Lunch Buffet & Farewell	
12:45 - 13:00	Conference Closing and Invitation 2020	

**08:30 – 11:45 TEACHING COURSES I-III**
**Teaching Course I: Extracranial Arteries**

- 08:30 – 09:00 **Cervical Arteries Insonation – Carotid and Vertebral Protocol**  
L. Kellermair
- 09:00 – 09:30 **Atherosclerotic Carotid Disease – Carotid Wall Imaging, Grading of Stenosis, Plaquemorphology, Reporting**  
C. Schmidauer
- 09:30 – 10:00 **Cervical Artery Dissection and Occlusion**  
K. Niederkorn
- 10:15 – 11:45 **Demonstration**  
L. Kellermair, K. Niederkorn, C. Schmidauer

**Teaching Course II: Intracranial Arteries**

- 08:30 – 09:00 **Transcranial Insonation – TCCS/TCD/TCS – Protocol**  
Z. Garami
- 09:00 – 09:30 **Intracranial Stenosis/Occlusion**  
P. von Weitzel-Mudersbach
- 09:30 – 10:00 **Collateral Pathways**  
E. Stolz
- 10:15 – 11:45 **Demonstration**  
Z. Garami, P. von Weitzel-Mudersbach, E. Stolz

**Teaching Course III: B-Mode Sonography of the Brain. Fusion Imaging**

- 08:30 – 09:00 **Brain parenchyma imaging – Techniques, Practical and Theoretical Aspects**  
M. Mijajlovic
- 09:00 – 09:30 **TCS in Neurodegenerative Diseases**  
U. Walter

- 09:30 – 10:00 **TCS and Fusion Imaging to visualise Cerebral Small Vessel Disease**  
C. Brunner
- 10:15 – 11:45 **Demonstration**  
M. Mijajlovic, U. Walter, C. Brunner
- 12:30– 16:45 ESNCH BOARD EXAMINATION**
- 12:30 – 14:30 **Theoretical Exam**  
E. Bartels, G. M. von Reutern
- 14:30 – 15:30 **Evaluation**  
E. Bartels, G. M. von Reutern, S. Horner
- 15:30 – 16:45 **Practical Exam (3 TCD, TCCS Systems)**  
E. Bartels, A. Razumovsky, S. Horner, E. Vicenzini, B. Baracchini, K. Niederkorn

**13:00 – 16:15 TEACHING COURSES IV-VI**
**Teaching Course IV: Nerves and Muscles**

- 13:00 – 13:30 **Ultrasound of Nerves – Technical Requirements and Examination Technique**  
S. Schreiber
- 13:30 – 14:00 **Neuromuscular Ultrasound**  
C. Pivec
- 14:00 – 14:30 **Trauma/Tumor/Compression – Functional Testing of Nerves**  
G. Riegler
- 14:45 – 16:15 **Demonstration**  
S. Schreiber, C. Pivec, G. Riegler

**Teaching Course V: Ultrasound in Intensive Care Unit/  
 US Assisted Punctures**

- 13:00 – 13:30 **Ultrasound Navigated Punctures (Vessel, Muscle,...)**  
M. Scala
- 13:30 – 14:00 **Cerebral circulatory Arrest**  
M. Diomedì
- 14:00 – 14:30 **Assessing Pupilar Reflex with US in ICU Patients**  
F. Farina
- 14:45 – 16:15 **Demonstration**  
M. Scala, M. Diomedì, F. Farina

**Teaching Course VI: Assessment of Haemodynamics**

- 13:00 – 13:30 **Vasomotor Reactivity and Cerebral Microembolus Detection**  
F. Perren
- 13:30 – 14:00 **PFO Testing Using Transcranial Doppler**  
S. Horner
- 14:00 – 14:30 **Functional Transcranial Ultrasound**  
B. Malojcic
- 14:45 – 16:15 **Demonstration**  
F. Perren, S. Horner, B. Malojcic

**17:00 – 18:30 OPENING CEREMONY**

Chairs: C. Baracchini, M. Vosko, M. del Sette

- 17:00 – 17:20 **Welcome Greetings**  
C. Baracchini, M. Vosko, M. del Sette
- 17:20 – 17:45 **Trendsetting Applications of Ultrasound Besides Neurosonology**  
S. Rupitsch
- 17:45 – 18:30 **Medical Applications of Ultrasound - Future Trends**  
Z. Garami

**18:30 – 21:00 WELCOME RECEPTION (INDUSTRIAL AREA)**
**08:30 – 10:00 OPENING SESSION I: JOINT SESSION OF ESNCH & NSRG**

Chairs: C. Baracchini, M. Vosko, M. del Sette

- 08:30 – 09:00 **Functional TCD in acquired and genetic small vessel disease**  
E. Azevedo
- 09:00 – 09:20 **Specific TCD role for patients after concussion**  
A. Razumovsky
- 09:20 – 09:40 **New insight for the sonographic evaluation of the unstable plaque (including new techniques, such as contrast ultrasound and elastography)**  
E. Vicenzini
- 09:40 – 10:00 **Neurosonology traits for genetic and epigenetic investigation**

**10:00 – 10:30 Coffee Break**
**10:30 – 11:50 SCIENTIFIC SESSION II: JOINT SESSION OF ESO, ESMINT & EAN**

Chairs: V. Caso, B. Ringelstein, J. Klingelhöfer

- 10:30 – 10:40 **Implementation of the European Action Plan for Stroke 2018-2030**  
V. Caso
- 10:40 – 10:50 **Oral abstract presentation**
- 10:50 – 11:00 **Oral abstract presentation**
- 11:00 – 11:10 **Ultrasound monitoring of patient undergoing thrombectomy**  
F. Perren
- 11:10 – 11:20 **Oral abstract presentation**
- 11:20 – 11:30 **Oral abstract presentation**
- 11:30 – 11:40 **Oral abstract presentation**
- 11:40 – 11:50 **Oral abstract presentation**
- 11:50 – 12:00 **Oral abstract presentation**

- 12:00 – 13:30**    **Lunch Break & Guided Poster Tour**
- 13:30 – 15:00**    **SCIENTIFIC SESSION III: TRIALS IN NEUROSONOLOGY**  
 Chairs: D. Russell, TBA, TBA
- 13:30 – 13:40    **Prize Winner of Project 2018**
- 13:40 – 13:50    **LUPUS Trial Final Results**  
 M. Vosko
- 13:50 – 14:00    **TCS applications: Which are in the guidelines?  
 Which are in the pipelines?**  
 U. Walter
- 14:00 – 14:10    **The value of microembolic signals detection in cerebrovascular disease**  
 P. Castro
- 14:10 – 14:20    **High intensity focused ultrasound in Neurology - an overview**  
 E. Titianova
- 14:20 – 14:30    **The value of ultrasound follow-up in intracranial large vessel occlusion**  
 M. Kneihsl
- 14:30 – 14:40    **Clotbuster Results and New Trial Plan**  
 M. Vosko
- 14:40 – 14:50    **Lecture 8: TBA**
- 14:50 – 15:00    **Hemodynamic parameters of extra and intracranial US including the  
 pulse curve encapsulate signals on distal small vessel pathology in  
 brain - trial methodology**  
 C. Brunner
- 15:00 – 15:30**    **Coffee Break**

- 15:30 – 17:00**    **SCIENTIFIC SESSION IV: CEREBROVASCULAR DISEASES &  
 ANTICOAGULATION**  
 Chairs: E. Azevedo, TBA, TBA
- 15:30 – 15:40    **The role of ultrasound in patients with arteritis temporalis**  
 E. Azevedo
- 15:40 – 15:50    **Neurovascular Coupling**  
 L. Olah
- 15:50 – 16:00    **Pitfalls of PFO diagnostics and therapy**  
 V. F. Zetola
- 16:00 – 16:10    **Ultrasound in PFO Management, Guidelines of The Austrian Stroke  
 Society**  
 S. Horner
- 16:10 – 16:20    **What should neurosonologists know about atrial fibrillation?**  
 B. Ringelstein
- 16:20 – 16:30    **Proposal of TCCS -based grading system for intracranial collaterals in  
 symptomatic ICA occlusion**  
 F. Abd-Allah
- 16:30 – 16:40    **Measurement of blood flow volume in cervical and intracranial  
 arteries**  
 D. Skoloudik
- 16:40 – 16:50    **Haemodynamics in the anterior circulation after direct parietal bypas  
 measured by TCCS**  
 P. von Weitzel-Mudersbach
- 16:50 – 17:00    **Lecture 9: TBA**



**15:30 – 17:00 SCIENTIFIC SESSION V: PERIPHERAL NERVES AND MUSCLES -  
 JOINT SESSION OF ISPNI & ESNCH**

Chairs: TBA, TBA, TBA

- 15:30 – 15:40 **Ultrasound tremorogram - why and when?**  
E. Titianova
- 15:40 – 15:50 **Oral abstract presentation**
- 15:50 – 16:00 **Oral abstract presentation**
- 16:00 – 16:10 **Oral abstract presentation**
- 16:10 – 16:20 **Oral abstract presentation**
- 16:20 – 16:30 **Oral abstract presentation**
- 16:30 – 16:40 **Oral abstract presentation**
- 16:40 – 16:50 **Oral abstract presentation**
- 16:50 – 17:00 **Oral abstract presentation**

**07:30 – 08:30 MORNING MEETINGS OF WORKING GROUPS**
**08:30 – 10:00 SCIENTIFIC SESSION VI: DEDICATED TO YOUNG PEOPLE**

Chairs: E. Bartels, TBA

- 08:30 – 08:45 **Integrating cell therapies in acute stroke hemodynamics**  
J. Sargento-Freitas
- 08:45 – 09:00 **Oral abstract presentation**
- 09:00 – 09:10 **Oral abstract presentation**
- 09:10 – 09:20 **Oral abstract presentation**
- 09:20 – 09:30 **Oral abstract presentation**
- 09:30 – 09:40 **Oral abstract presentation**
- 09:40 – 09:50 **Oral abstract presentation**
- 09:50 – 10:00 **Oral abstract presentation**

**08:30 – 10:00 SCIENTIFIC SESSION VII: VARIA**

Chairs: N. Bornstein, TBA, TBA

- 08:30 – 08:45 **Comparison of in vivo US, CT angiography and post-mortem micro CT findings of carotid bifurcation**  
L. Csiba
- 08:45 – 09:00 **The usefulness of ultrasound in the management of cardioembolic stroke**  
N. Bornstein
- 09:00 – 09:10 **Oral abstract presentation**
- 09:10 – 09:20 **Oral abstract presentation**
- 09:20 – 09:30 **Oral abstract presentation**
- 09:30 – 09:40 **Oral abstract presentation**
- 09:40 – 09:50 **Oral abstract presentation**

- 09:50 – 10:00 Oral abstract presentation
- 10:00 – 10:30 Coffee Break**
- 10:30 – 11:20 SCIENTIFIC SESSION VIII: ULTRASOUND ON THE ICU**  
 Chairs: TBA, TBA
- 10:30 – 10:40 Brain death and cerebral circulatory arrest detection with TCD and pitfalls for its application (craniectomy, infants), coupling ONSD evaluation  
 E. Vicenzini
- 10:40 – 10:50 Emergency Ultrasound  
 M. Sojer
- 10:50 – 11:00 Cerebrovascular autoregulation in acute brain disorders  
 M. Alpaidze
- 11:00 – 11:10 Oral abstract presentation
- 11:10 – 11:20 Oral abstract presentation
- 11:20 – 12:00 SCIENTIFIC SESSION IX: VARIA**  
 Chairs: TBA, TBA
- 11:20 – 11:30 Oral abstract presentation
- 11:30 – 11:40 Oral abstract presentation
- 11:40 – 11:50 Oral abstract presentation
- 11:50 – 12:00 Oral abstract presentation
- 12:00 – 13:30 Lunch Break & Guided Poster Session**
- 12:45 – 13:00 CONFERENCE CLOSING & INVITATION 2020**
- 13:00 CLOSING CEREMONY**

**LINZ**

Linz is the third-largest city of Austria and capital of the state of Upper Austria. It is in the north centre of Austria, approximately 30 kilometres south of the Czech border, on both sides of the River Danube. The population of the city is 204 846, and that of the Greater Linz conurbation is about 789 811.

The innovative art and culture made Linz the European Capital of Culture 2009 and UNESCO City of Media Arts. The cultural wealth and the many attractions of the picturesque town center bear witness to the past glory and present beauty of Linz.

**ACCOMMODATION**

It is possible to book rooms at our headquarter hotel “Park Inn by Radisson Linz” ([www.parkinn.de/hotel-linz](http://www.parkinn.de/hotel-linz))

**Rates:**

Standard room single use incl. breakfast: € 95,00/ night  
 Standard room double use incl. breakfast: € 105,00/ night  
 Upgrade: € 30,00/ night depending on availability  
 Prices excl. visitor’s tax: € 2.00/person/night

For a booking please contact: [reservation.linz@parkinn.com](mailto:reservation.linz@parkinn.com) or +43 732 777 100-3500  
 The booking code that must be quoted to access this offer would be: CMI Congress 050419

**PUBLIC TRANSPORTS****LINZ AG LINIEN**

LINZ AG Customer service  
 Hauptplatz 34  
 4020 Linz  
 E-Mail: [linien@linzag.at](mailto:linien@linzag.at)  
[www.linzag.at](http://www.linzag.at)

**Arriving by train**

(from main train station to the conference venue)  
 Take the Tramlines 1, 2 (direction: University) or 3 (direction: Landgutstraße) till the stop Bürgerstraße.

**Nightline:** Tram linie 1 turns into N1. With three bus lines you can reach the whole city 24 hours a day throughout the year.

N 2: Simonystraße – Solarcity

N 3: voestalpine – Neue Heimat

N 4: Holzstraße – Stadion

Please buy single tickets at the ticket machines at the tram stops! Multiple ride tickets: at tobacconists, Tourist Information at the main square and at the LINZ AG Service Center (Hauptplatz 34, 4020 Linz).

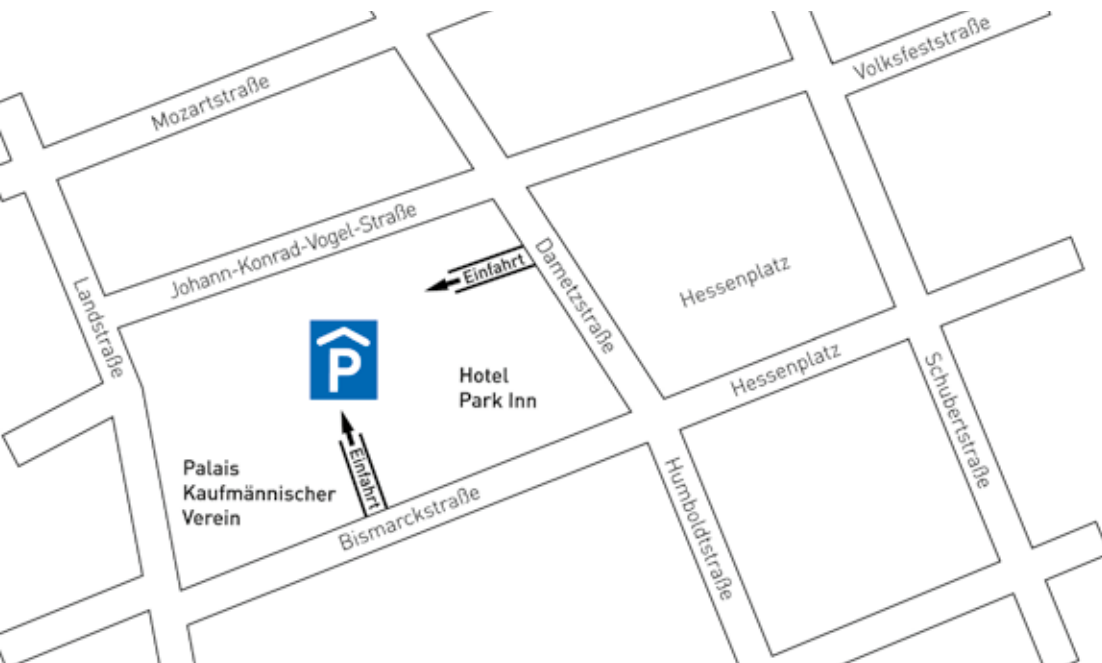
### PARKING

The conference venue is directly accessible from the underground parking „Tiefgarage Landstraße“. The parking garage offers 377 parking spaces and is opened continuously.

Address: Hessenplatz 16-18, Landstraße  
4020 Linz

Rates: 06.00 – 18.00: €1,30 per half an hour  
18.00 – 06.00: €1,00 per half an hour

Maximum day rate: €18,00



### CURRENCY

The official currency is the EURO (€). Major credit cards are accepted in many hotels, shops and restaurants. Automatic teller machines are also available throughout the city.

### CONGRESS DOCUMENTS AND BADGES

Congress documents have to be collected on-site at the registration desk at the conference venue. Name badges must be worn visibly at all times during the conference, networking activities and in the exhibition area.

### LETTER OF INVITATION

A letter of invitation can be requested by writing to [esnch2019@cmi.at](mailto:esnch2019@cmi.at). Please note that invitation letters can only be sent to participants who have fully registered for the meeting and paid their registration fees. Letters of invitation do not imply a commitment from the conference to provide any financial support or liability.

### VISA FOR AUSTRIA

The entry formalities for Austria vary according to the country of origin. All visitors entering Austria must possess a valid passport. Please check the current visa requirements on <https://www.bmeia.gv.at/en/travel-stay/entry-and-residence-in-austria/entry-and-visa/>

### OFFICIAL LANGUAGE

The official language of the congress is English. No simultaneous translation will be provided.

### REGISTRATION FEES

Registration can be done online until April 2nd, 2019. After this date only on-site registration is possible. The deadline for early registrations is January 20, 2019.

	Early Bird Fee by January 20	Regular Fee from January 21	Onsite Fee from April 2
Full registration			
Member*	€ 400.-	€ 450.-	€ 500.-
Non-Member	€ 500.-	€ 550.-	€ 600.-
Nurses & Technicians	€ 300.-	€ 330.-	€ 350.-
Undergraduate Students**	Free admission		
Day tickets			
Saturday or Sunday	€ 200.- each		

\* Member fees include members of the following societies: ESNCH, NSRG, ÖGSF

\*\* To purchase undergraduate student admission, you must be <30 years old at the date of the conference. Furthermore it will be necessary to upload a confirmation/immatriculation letter.

Registration includes the following unless otherwise specified:

- admission to scientific sessions and poster presentations
- admission to the industrial exhibition
- printed material for the conference
- online access to abstracts
- conference bag
- coffee breaks and business lunches

### TEACHING COURSES

	Early Bird Fee by January 20	Regular Fee from January 21	Onsite Fee from April 2
1 Teaching Course	€ 95.-	€ 110.-	€ 150.-
Teaching Course combination	€ 180.-	€ 210.-	€ 290.-

Teaching Courses are limited in the number of participants. Course registration is obligatory and takes place within the normal registration process (first come, first served)

### INTERNET ACCESS

Wireless internet access will be available free of charge throughout the conference venue.

### COFFEE BREAKS

Coffee, tea and refreshments will be served in the exhibition area during the coffee breaks and are included in the registration fee.

### NETWORKING PROGRAMME

#### ESNCH Welcome Reception

We invite you to join the welcome reception within the exhibition area.

April 5, 2019, 18:30 – 21:00

#### ESNCH Gala Dinner

Ticket per person: € 65,00

April 6, 2019, 19:45 – 23:00

### LIABILITY AND INSURANCE

Neither the organisers nor CMI/PCO Tyrol Congress as their agency accept any liability for personal injuries, or loss of, or damage to property belonging to congress delegates, either during or as a result of the Congress or during any of the networking events. It is recommended that participants arrange for their own personal health, accident and travel insurance before they depart from their countries. Only written agreements shall be valid. The place of jurisdiction shall be Linz.



We would like to sincerely thank all our Exhibitors and Sponsors for their support.

## **Local Organising and Scientific Committee**

Milan R. Vosko, MD, PhD, FESO - Linz, Austria (Chair of the Conference)  
Prof. Massimo del Sette, MD - Genoa, Italy (Chair of the Conference)  
Cornelia Brunner, MD - Tulln, Austria (Chair of the Teaching Courses)

Prof. Claudio Baracchini, MD - Padova, Italy  
Prof. Miroslav Brozman, MD - Nitra, Slovak Republic  
Stephan Eger, MD - Linz, Austria  
Prof. Zuzana Gdovinová, MD, PhD - Košice, Slovak Republic  
Lukas Kellermair, MD - Linz, Austria  
Markus Kneihsl, MD - Graz, Austria  
Prof. Branko Malojcic, MD - Zagreb, Coratia  
Prof. Kurt Niederkorn, MD - Graz, Austria  
Christoph Schmidauer, MD - Innsbruck, Austria  
Prof. David Školoudík, MD, PhD, FESO - Olomouc, Czech Republic  
Martin Sojer, MD - Innsbruck, Austria  
Aleš Tomek, MD, PhD, FESO - Praha, Czech Republic

## **Organising Societies**

European Society of Neurosonology and Cerebral Hemodynamics  
The Neurosonology Research Group of the World Federation of Neurology  
Österreichische Schlaganfall-Gesellschaft (Austrian Stroke Society)

## **Organisation, registration, abstract submission**

### **PCO Tyrol Congress**

Rennweg 3  
6020 Innsbruck, Austria  
T: +43-(0)512-57 56 00  
F: +43-(0)512-57 56 07  
E: esnch2019@cmi.at

## **Industrial exhibition and sponsorship**

### **s12! studio 12 gmbh**

Kaiser Josef Straße 9  
6020 Innsbruck, Austria  
T: +43-(0)512-890438  
F: +43-(0)512-890438-15  
E: office@studio12.co.at

## **Venue**

### **Palais Kaufmännischer Verein in Linz**

**Veranstaltungszentrum e. U.**  
Landstraße 49/Bismarckstr. 1-3  
4020 Linz, Austria  
W: [www.palaislinz.at](http://www.palaislinz.at)