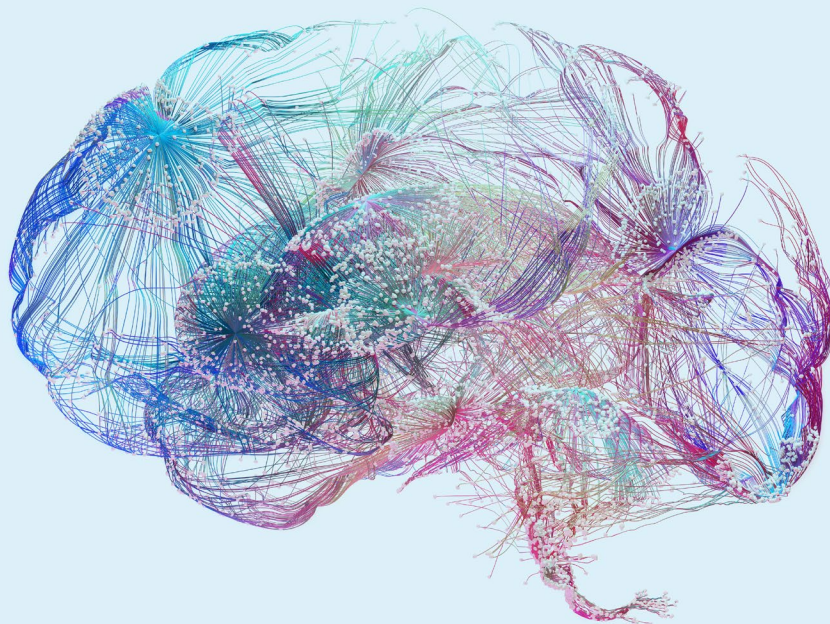




Schweizerische Gesellschaft für Neurochirurgie
Société Suisse de Neurochirurgie
Società Svizzera di Neurochirurgia
www.swissneurosurgery.ch



Schweizerische Gesellschaft für Neuroradiologie
Société Suisse de Neuroradiologie
Swiss Society of Neuroradiology



Joint Annual Meeting 2024

Swiss Society of Neurosurgery SSNS

Swiss Society of Neuroradiology SSNR

Together with: Association of neurosurgical nursing staff Switzerland

Artificial Intelligence and Digitalization: Applications to Neurosurgery & Neuroradiology

June 20-21, 2024

Congress Kursaal Interlaken

ssns-ssnr2024.congress-imk.ch

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Welcome to the Joint Annual Meeting 2024

Dear Members,
Dear Colleagues,

It is with great enthusiasm that we welcome you to the picturesque town of Interlaken for the Joint Annual Meeting of the **Swiss Society of Neurosurgery (SSNS) and the Swiss Society of Neuroradiology (SSNR)**, along with the Association of Neurosurgical Nursing Staff Switzerland. This gathering marks a significant milestone as we explore the pivotal theme of **"Artificial Intelligence and Digitalization: Applications to Neurosurgery & Neuroradiology"**.

Since November 2022, the rapid evolution of information technologies, particularly artificial intelligence exemplified by tools like ChatGPT, has significantly impacted our professional and personal lives. These advancements present not only extraordinary potential but also notable challenges.

As professionals dedicated to the intricacies of the human nervous system and committed to the highest standards of patient care, we find ourselves at the vanguard of adopting and shaping these emerging technologies. Our collective expertise positions us uniquely to contribute to the development, evaluation, and integration of digital tools into our practices, ensuring they enhance our capabilities responsibly and effectively.

This year's meeting is designed to delve deeply into the critical aspects of artificial intelligence in our field. We will begin by setting the stage with discussions on vision and purpose, moving into pragmatic topics such as data sourcing, collection, and sharing. We aim to foster a thorough understanding that the quality and interpretation of data are paramount in achieving reliable outcomes in AI applications.

Our sessions will also cover how these digital tools can aid in making better clinical decisions and improving the precision of our interventions. We will explore how patient care can be optimized through these innovations and conclude with a reflection on the recent shifts in our professional practices.

Moreover, we are pleased to host an industrial exhibition where our partners and sponsors will showcase their latest advancements and engage in meaningful exchanges that promise to spark new ideas and opportunities.

As we convene today, let us embrace the dialogue and collaborations that will unfold. We are excited to advance our knowledge and skills together, ensuring that we remain at the forefront of technological integration in healthcare.

Thank you for joining us at this pivotal event. We look forward to an inspiring and fruitful meeting that promises not only to enhance our professional acumen but also to strengthen our community.

Welcome to Interlaken and let us make this Joint Annual Meeting a memorable and impactful experience.

On behalf of the Societies and the Scientific Committee

Prof. Dr. med. Javier Fandino
President SSNS

Prof. Dr. med. Isabel Wanke
President SSNR, Co-Congress President

Prof. Dr. med. Philippe Bijlenga
Co-Congress President

General Information

Date	June 20-21, 2024
Venue	Congress Kursaal Interlaken Strandbadstrasse 44 3800 Interlaken
Website	ssns-ssnr2024.congress-imk.ch
Language	Main presentations English Free communications English, German or French Slides English IG-NOPPS German
Website and Contact of the Societies	Swiss Society of Neurosurgery SSNS www.swissneurosurgery.ch sgnc@imk.ch Swiss Society of Neuroradiology SSNR: www.swissneuroradiology.ch sgnr@imk.ch Association of Neurosurgical nursing staff Switzerland IG-NOPPS: www.ig-nopps.ch sekretariat@ig-nopps.ch
Presidents	SSNS Prof. Javier Fandino, MD, Zurich SSNR Prof. Isabel Wanke, MD, Zurich IG-NOPPS Jürgen Schmidt, Biel
Scientific Committee	Swiss Society of Neurosurgery - SSNS Prof. Philippe Bijlenga, MD, Geneva – Co-Congress President Jean-Yves Fournier, MD, Sion Attill Saemann, MD, Basel – SYNS Representative Prof. Philippe Schucht, MD, Bern Swiss Society of Neuroradiology - SSNR Prof. Isabel Wanke, MD, Zurich - Co-Congress President Tomas Dobrocky, MD, Bern Prof. Karl Lövblad, MD, Geneva Prof. Dr. med. Marios Psychogios, MD, Basel
Professional Congress Organizer (PCO)	IMK Institute for medicine and communication Ltd. Harald F. Grossmann Münsterberg 1 CH-4001 Basel Phone +41 61 561 53 53 www.imk.ch congress@imk.ch

General Information

Registration Registration to the meeting is mandatory.
Please register online via ssns-ssnr2024.congress-imk.ch

Registration Fees	Early Bird until 12.05.2024		13.05.2024-21.06.2024		Networking Event
	1 Day	2 Days	1 Day	2 Days	20.06.2024
Member physician SSNS / SSNR	120	200	160	280	100
Non-member physician	220	300	270	380	100
IG-NOPPS*	100		180		50
Member SYNS / MTRA / Nurse / Student	100		180		50
Non-member assistant	120		240		50

* the registration fees IG-NOPPS for the congress are covered by the SSNS. Therefore the participation is free of charge.

Fees in CHF

Cancellation Policy **IMK** must be informed about cancellations in writing.
Cancellations received up to 21.05.2024: 50% refund
Cancellations received starting from 22.05.2024: no refund

Badges Participants will receive their personal congress badge at check-in. The badge is valid for the duration of the meeting and must be worn at all times in order to gain entry into the meeting room and the exhibition area.

Confirmation of Participation Confirmations of participation will be sent by email after the congress.
Please note: Confirmations of attendance will be issued per congress day attended. The prerequisite for this is a daily, personal check-in at the Self Check-in stations on-site.

Credits	20.06.2024	21.06.2024	Total
Swiss Society of Neurosurgery SSNS (SGNC)	8	8	16
Swiss Society of Radiology SSR (SGR)	6	8	14
Swiss Neurological Society SNS (SNG)	6	6	12
Swiss Society of Clinical Neurophysiology SSCN (SGKN)	2	2	4

Opening Hours

Congress Secretariat
Thursday, 20.06.2024 08:45-19:00
Friday, 21.06.2024 07:15-17:00

Industrial Exhibition
Thursday, 20.06.2024 09:15-17:30
Friday, 21.06.2024 07:45-17:00

Information for Speakers and Abstract authors

- Technical information** The lecture halls are equipped with laptop and beamer. Presentations must be saved on a USB memory stick and handed in to the technician in the lecture room at the latest during the last break before the session. PowerPoint presentation should be prepared in a ratio of 16:9.
- Free Communications** Presentation time: 10 minutes (7 min. + 3 min. for discussion)
- SYNS Science Slam Presentations** Friday, 21.06.2024, 13:30-14:30
Presentation time: 7 minutes (6 min. + 1 min. for discussion)
- ePoster** All posters will be shown in digital form as ePoster. The ePoster will be available for viewing at the terminals in the "ePoster corner" in the Exhibition hall. The ePoster will also be available on the congress website
Link: Program | ePoster
The uploaded ePosters are only visible to **registered** participants.
- ePoster Design & Upload** Instructions for the design of the ePoster and upload can be seen on the congress website.
Link: Abstracts | Design of the ePoster & Upload
- Abstract Publication** Accepted abstracts will be published on the website and as eJournal in the CTN Journal "Clinical and Translational Neuroscience".



Awards

- Awards SSNS Best Abstract**
The SSNS awards three prizes for the "Best Abstracts" at the annual meeting.
1st prize: CHF 1'500.- / 2nd prize: CHF 1'000.- / 3rd prize: CHF 500.-
- Awards SSNR Best Abstract**
The best abstract of all SSNR abstracts submitted will be honoured with the "Best Abstract Prize" of CHF 1'000.- at the annual meeting.
- SYNS Science Slam 2024** The third SYNS Science Slam session is scheduled for Friday, 21.06.2024, 13:30-14:30.
- Travel Grant**
The sponsored travel grant of CHF 1'500.00 is intended to support the winner in attending a scientific meeting of his/her choice by covering travel and related meeting expenses.
Details on the congress website www.ssns-ssnr2024.congress-imk.
Link: Abstracts | Awards
- Award Ceremony** The award ceremony will take place during the Annual Meeting on Friday, 21.06.2024, 16:30.

Networking Event

Thursday, 20.06.2024 as of 19:00

Panorama Restaurant – Harder Kulm

Harderkulm

3800 Interlaken

www.restaurantharderkulm.ch

The imposing Harder Kulm panorama restaurant is enthroned high above Interlaken and offers breathtaking views over the region. It is the perfect place for an unforgettable evening.

The restaurant is easy to reach on the Harder Railway (address: Brienzstrasse 1, Interlaken Ost)

Journey time: 10 minutes.

Outward journey: Transport from the valley station to Harder Kulm on the Harderbahn:

Times: 19:10 | 19:25 | 19:40

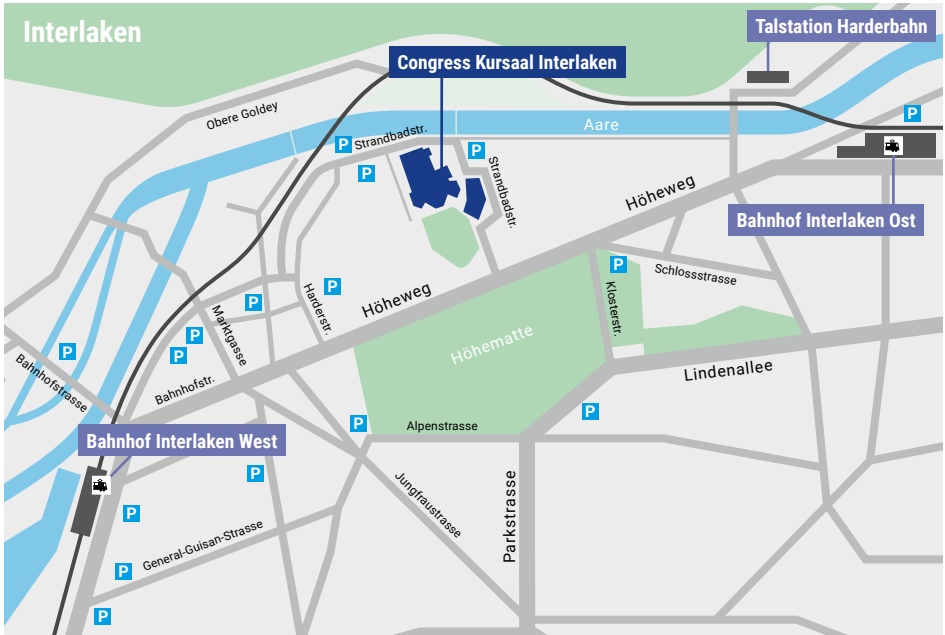
Return journey: Transport from Harder Kulm back to Interlaken: Times: 22:30 | 23:00

Fees: physicians: CHF 100.-

Fees: residents, nursing staff, students: CHF 50.-



How to reach



By public transportation

Both train stations east and west are within walking distance of approx. 10 minutes to the Congress Kursaal Interlagen.

Bus transportation is available from the train stations east and west to the Congress Kursaal Interlagen. Bus# 103, exit Interlagen Kursaal (approx. 2 minute ride)

Use public transportation for free! All guests staying overnight in Interlagen will receive the Interlagen guest card which gives free travel on scheduled public transport services.

By car

Congress Kursaal Interlagen does not have its own parking space. Participants should use the public parking areas surrounding the Kursaal grounds. Parking fees must be settled directly at the designated parking meters or payment machines.

Partner Companies

The following industry partners make a significant contribution by supporting the Joint Annual Meeting 2024.

We would like to express our sincere thanks for their commitment:

Supporter 2024



SFCNS Congress 06

First Announcement

October 29–31, 2025
SwissTech
Convention Center
STCC, Lausanne

sfcns.ch

Related Events

10.06.2024 **Farewell symposium in honor of Professor Dr. Karin Diserens**
CHUV Lausanne
Auditorium César Roux
Symposium des neurosciences cliniques
13:30-18:15

23.08.-24.08.2024 **5th SFCNS Summer School**
Inselspital Bern
Swiss Federation of Clinical Neuro-Societies
sfcns-summer-school-2024.congress-imk.ch

09.11.24 **SSNR Educational Course**
Inselspital Bern
Swiss Society of Neuroradiology
ssnreducationalcourse2024.congress-imk.ch

05.12.2024 **2nd Stakeholder Meeting SFCNS Swiss Brain Health Plan**
Zentrum Paul Klee, Bern
swiss-brainhealth2024.congress-imk.ch

20.03.2025 **SSNS 14th NeuroSpine Meeting**
Kursaal Bern AG
Swiss Society of Neurosurgery

29.10.-31.10.2025 **6th SFCNS Congress**
SwissTech Convention
Center, EPFL, Lausanne
Swiss Federation of Clinical Neuro-Societies

12.03.2026 **SSNS 15th NeuroSpine Meeting**
Kursaal Bern
Swiss Society of Neurosurgery

07.05.-08.05.2026 **SSNS | SSNR: Joint Annual Meeting**
Olma Messen St.Gallen
Swiss Society of Neurosurgery
Swiss Society of Neuroradiology

Daily Overview Thursday | 20.06.2024

	Theatersaal	Ballsaal
	09:45-10:00 13 Welcome	
	10:00-11:30 13 Sharing data and improving diagnosis	
	11:30-13:30 Lunch	
	12:00-13:00 13 Satellite Symposium by Eli Lilly (Suisse) SA The Growing Role of (Neuro)radiology in Alzheimer's Disease Management	12:00-12:30 13 Satellite Symposium by Provicon: Amide Proton Transfer MRI
		12:45-13:15 13 Satellite Symposium by Medtronic: cSDH embolization
	13:00-13:30 Postviewing	
	13:30-15:00 14 Advancements in Surgical Spine Care: Clinical Outcomes and Techniques	
	15:00-15:30 Coffee Break	
	15:30-16:10 14 Valavanis Lecture	
	16:10-17:00 14 Assistance planning & performing interventions in vascular	
	17:30-19:00 14 SSNS General Assembly	17:30-19:00 14 SSNR General Assembly

Thursday

Program, Thursday | 20.06.2024

09:45-10:00

Theatersaal

Welcome

Philippe Bijlenga, Geneva | Isabel Wanke, Zurich

10:00-11:30

Theatersaal

Sharing data and improving diagnosis

Chairs: Richard McKinley, Bern | Philippe Bijlenga, Geneva

10:00-10:20

The SPHN data-enabling framework: from routinely collected healthcare to FAIR research data

Sabine Österle, Basel

10:20-10:40

Impact of informatics on imaging processes

Osman Ratib, Geneva

10:40-11:00

Molecular data and diagnosis in neuro-oncology

Denis Migliorini, Geneva

11:00-11:20

Advances in imaging and classification of brain tumors

Felix Kurz, Geneva

11:20-11:30


Discussion / Q&A

11:30-13:30

Lunch

12:00-13:00

Theatersaal

Satellite Symposium organized by 

The Growing Role of (Neuro)radiology in Alzheimer's Disease Management

12:00-12:05

Welcome and Introduction

Karl-Olof Lövblad, Geneva

12:05-12:25

Radiological differential diagnosis of dementias – navigating complexities

Sven Haller, Geneva

12:25-12:45

Future challenges – monitoring patients with Alzheimer's disease

Johanna Lieb, Basel


12:45-13:00

Discussion / Q&A

Karl-Olof Lövblad, Geneva

12:00-12:30

Ballsaal


Satellite Symposium organized by 

Amide Proton Transfer weighted MRI: molecular insights to distinguish radionecrosis from tumor progression in brain metastases

Stefano Casagrande, Milano, IT

12:45-13:15

Ballsaal

Satellite Symposium organized by 

Concepts and perspectives of chronic subdural hematoma (cSDH) embolization

Zsolt Kulcsar, Zurich

Program, Thursday | 20.06.2024

13:30-15:00

Theatersaal

Advancements in Surgical Spine Care: Clinical Outcomes and Techniques

Chairs: Oliver Gautschi, Lucerne | Jeans-Yves Fournier, Sion

13:30-13:55

Screening for DCM and Surgical decision making based on practice guidelines

Granit Molliqaj, Geneva

13:55-14:20

OR-X: A new center for surgical training, education and translational research

Fabio Carrillo, Zurich

14:20-14:30

001 | Clinical outcome after surgical management of spontaneous spinal epidural hemorrhages (SSEH) – a retrospective case cohort

C Kissling, L Häni, R Schär, A Raabe, CM Jesse | Bern, CH

14:30-14:40

002 | Comparison of microsurgical suturing vs. patching of ventral dural leaks in spontaneous intracranial hypotension

T Petutschnigg, CM Jesse, L Häni, T Dobrocky, E Piechowiak, A Raabe, R Schär | Bern, CH

14:40-14:50

003 | Traumatic Occipital Condyle Fractures – A retrospective, level one trauma center cohort study: Epidemiology, Treatment and Outcome.

L Felger, CM Jesse, R Schär, A Raabe, E Piechowiak, M Deml, C Albers | Bern, CH

14:50-15:00

004 | Lateral lumbar and thoracic interbody fusion (LLIF) for thoracolumbar spine trauma (Trauma LLIF) – a single-center, retrospective observational cohort study

L Bättig, D Gianoli, L Bertulli, M Benjamin, M Stienen | St.Gallen, CH

15:00-15:30

Coffee Break

15:30-16:10

Theatersaal

Valavanis Lecture

Chairs: Karl-Olof Lövblad, Geneva | Isabel Wanke, Zurich

15:30-15:40

Antonios-Valavanis Commemorative Medal; Laudation for the Recipient

Karl-Olof Lövblad, Geneva

15:40-16:10

Pediatric Neuroradiology – in search of “What happened?”

Olof Flodmark, Stockholm, SE

16:10-17:00

Theatersaal

Assistance planning & performing interventions in vascular

Chairs: Isabel Wanke, Zurich | Karl-Olof Lövblad, Geneva

16:10-16:30

Advances in neurovascular imaging

Myriam Edjlali, Garches, FR

16:30-16:50

AI and robotics in vascular diseases (also tinnitus)

Vitor Pereira, Toronto, CA

16:50-17:00

Discussion / Q&A

17:30-19:00

Theatersaal



SSNS General Assembly

17:30-19:00

Ballsaal



SSNR General Assembly

Daily Overview Friday | 21.06.2024

Theatersaal	Ballsaal
08:00-09:30 ¹⁶ Joint Free Communications – SSNS / SSNR	
09:30-10:00 Coffee Break	
10:00-11:20 ¹⁷ Management of care optimisation	10:00-11:30 ¹⁷ IG-NOPPS – Session I – Technologien und Lagerungen in der Neurochirurgie
11:20-11:50 ¹⁷ Satellite Symposium by Guerbet AG: Gadolinium dose reduction with Elucirem™ the next generation GBCA from Guerbet: From theory to practice	11:30-12:30 Lunch IG-NOPPS
11:50-13:30 Lunch	
12:30-13:00 ¹⁷ Satellite Symposium by MicroVention: Higher safety in neuroradiology procedures with BOBBY	12:30-14:00 ¹⁹ IG-NOPPS – Session II – Was passiert im OP
13:30-14:30 ¹⁷⁻¹⁸ Science Slam Presentations – SYNS	14:00-14:30 ¹⁹ IG NOPPS – Session III – Kommunikation
14:30-15:00 Coffee Break	
15:00-16:30 ¹⁸ Updates – Changing practice	15:00-16:00 ¹⁹ IG-NOPPS – Vorstandssitzung
16:30-17:00 ¹⁸ Awards Session	

08:00-09:30

Theatersaal

Joint Free Communications – SSNS / SSNR

Chairs: Gregor Hutter, Basel | Tilman Schubert, Zurich

08:00-08:10

005 | Machine Learning based Automated Programming of Deep Brain Stimulation Systems

C Pollo, AF Nowacki, I Debove, G Tinkhauser, K Petermann, J Waligorski, K Nguyen | Bern, CH

08:10-08:20

006 | Complications and Multidimensional Outcome after Endovascular versus Microsurgical Occlusion of Ruptured Intracranial Aneurysms – Comparative Analysis of a Swiss Multicenter Study

V Kälin, M Stienen, J Velz, M Sebök, A May, P Bijlenga, R Maduri, D Starnoni, A Chiappini, T Robert, S Bonasia, J Goldberg, C Fung, D Bervini, N Maldaner, AM Zeitlberger, O Bozinov, E Keller, M Germans, L Regli | St.Gallen, CH; Zürich, CH; Geneva, CH; Lausanne, CH; Basel, CH; Lugano, CH; Berne, CH

08:20-08:30

007 | Prevention of Cerebral Ischaemia in Stent Treatment for Carotid Artery Stenosis – Preliminary results of a randomised multi-centre phase II trial comparing Ticagrelor versus Clopidogrel with outcome assessment on MRI (PRECISE-MRI)

MD Müller, M Duering, GJ De Borst, T Cleveland, P Lyrer, M Mono, K Nedeltchev, M Arnold, P Mordasini, I Van Herzele, P Lerut, E Cagliari, A Pacchioni, B Eckert, O Jansen, PA Ringleb, LH Bonati | Bern, CH; Basel, CH; Utrecht, NL; Sheffield, GB; Zurich, CH; Aarau, CH; Gent, BE; Groeninge, BE; Mestre, IT; Mirano, IT; Hamburg, DE; Kiel, DE; Heidelberg, DE; Rheinfelden, CH

08:30-08:40

008 | Ultra-high-resolution CT angiography of Intracranial Stents using Photon-Counting Detector CT

R Ludovichetti, D Gorup, V Mergen, M Krepuska, S Winklhofer, P Thurner, J Madjidyar, T Flohr, H Alkadhi, Z Kulcsar, T Schubert | Zurich, CH

08:40-08:50

009 | Proteomic analysis of glioma reveals distinct signatures of proteins and pathways among low and high-grade glioma subgroups

J Boulay, M Amer Salem, M Ritz, FS Halbeisen, A Schmidt, KB Buczak, G Hutter, S Leu | Basel, CH

08:50-09:00

010 | Differentiation of tumor progression from pseudoprogression in glioblastoma patients with GRASP DCE-MRI and DSC-MRI

V Var, S Leu, TK Block, N Rommers, MN Psychogios, D Cordier, RA Todea | Basel, CH; New York, US

09:00-09:10

011 | The potential of 7T in functional mapping: Comparison of gradient-echo EPI sequences for whole-brain fMRI at 7T.

GR Iannotti, E Sleight, C Guedj, D Marie, S Courvoisier, D Botta, FT Kurz, K Lovblad, F Grouiller | Geneva, CH; Lausanne, CH

09:10-09:20

012 | Clinical, radiological, neurocognitive, and patient reported outcomes following surgical treatment of arachnoid cysts in adults

L Pacan, F Ebel, T Hallenberger, R Guzman, J Soleman | Basel, CH

09:20-09:30

013 | PosESS-Study (Positioning in Endoscopic Skull Base Surgery): semi-sitting versus supine: interim analysis of a randomized controlled trial

TJ Hallenberger, J Rychen, C Oetliker, Y Brand, L Mariani, M Roethlisberger | Basel, CH; Chur, CH

Program, Friday | 21.06.2024

09:30-10:00

Coffee Break

10:00-11:20

Theatersaal

Management of care optimisation

Chairs: Jean-Yves Fournier, Sion | Tomas Dobrocky, Bern

10:00-10:20

Innovative applications of machine intelligence in spine surgery

Victor E. Staartjes, Zurich

10:20-10:40

Minimally invasive interventional stabilization of lytic spinal metastases

Alessandro Cianfoni, Lugano

10:40-11:00

New answers to old questions in glioma classification – the neuropathology view

Theoni Maragkou, Bern


11:00-11:20

New answers to old questions in glioma classification – the neuroradiology view

Roland Wiest, Bern

11:20-11:50

Theatersaal

Satellite Symposium organized by **Guerbet** | 
Contrast for Life

Gadolinium dose reduction with EluciremTM the next generation

GBCA from Guerbet: From theory to practice


John Fröhlich, Zurich

11:50-13:30

Lunch

12:30-13:00

Theatersaal

Satellite Symposium organized by  **MicroVention**
TERUMO

Higher safety in neuroradiology procedures with BOBBY

13:30-14:30

Theatersaal

Science Slam Presentations – SYNS

Chairs: Attil Saemann, Basel | Nicolas Poletti, Basel

13:30-13:37

014 | European Survey on Follow-up Strategies for Unruptured Intracranial Aneurysms

D Nasiri, T Petutschnigg, M Murek, WJ Z'Graggen, D Bervini, A Raabe, J Goldberg | Bern, CH

13:37-13:44

015 | An extended follow up of spinal instrumentation rescue with cement augmentation

F Polinelli | Lugano, CH

13:44-13:51

016 | Virtual Reality for Patient Informed Consent in Skull Base Tumors and Intracranial Vascular Pathologies – A Pilot Study

E Westarp, A Saemann, M Zelechovski, B Faludi, P Cattin, J Soleman, R Guzman | Basel, CH

13:51-13:58

017 | The Current Diagnostic Performance of MRI-Based Radiomics for Glioma Grading: A Meta-Analysis

L De Maria, F Ponzio, H Cho, K Skogen, I Tsougos, M Gasparini, PP Panciani, M Fontanella, W Brinjikji | Geneva, CH; Torino, IT; Daejeon, KR; Oslo, NO; Larissa, GR; Brescia, IT; Rochester, MN, US

Program, Friday | 21.06.2024

Science Slam Presentations – SYNS (continued)

13:58-14:05

018 | Usefulness of direct auricular artery injection as refinement of the rabbit shunt subarachnoid haemorrhage model

K Catalano, S Sivanrupan, G Canzanella, R Schmied, J Rey, D Casoni, H Widmer, S Marbacher, L Andereggen, BE Grüter, AR Fathi, S Wanderer | Aarau, CH; Bern, CH

14:05-14:30

019 | Evaluation of carotid bifurcation plaque vulnerability: comparing MRI and ultrasound-based modalities

F Rea de Falco, A Gözübüyük, T Schubert, G Esposito, L Michels, Z Kulcsár, G Negro de Figueiredo Miller, M Krepuska | Zürich, CH

14:30-15:00

Coffee Break

15:00-16:30

Theatersaal

Updates – Changing practice

Chairs: Philippe Schucht, Bern | Marios-Nikos Psychogios, Basel

15:00-15:25

The role of MMA embolization in the treatment of chronic subdural hematoma

Tilman Schubert, Zurich

15:25-15:50

Swiss SWITCH trial

Jürgen Beck, Freiburg, DE

15:50-16:15

ENRICH trans tubular hemorrhage removal

Jonathan J. Ratcliff, Atlanta, US

16:15-16:30

Discussion / Q&A

16:30-17:00

Theatersaal

Awards Session

Chairs: Jean-Yves Fournier, Sion | Guillaume Saliou, Lausanne

10:00-11:30

Ballsaal

Session I – Technologien und Lagerungen in der Neurochirurgie

Chair: Joy Rösli, Zurich

10:00-10:15

Eröffnung

Jürgen Schmidt, Basel

10:15-10:45

Integration neuer Technologien im OP

Attil Saemann, Basel

10:45-11:10

Was ist anders bei der Vorbereitung für Operationen für die Lagerungspflege in der Neurochirurgie

Istvan Stanko, Basel

11:10-11:30

Positionierung des Berufsfelds «Lagerungspflege» im OP

Rolf Prions, Aarau

11:30-12:30

Lunch

12:30-14:00

Ballsaal

Session II – Was passiert im OP

Chair: Mirjana Pizurica, Bern

12:30-13:00

EVD Einlage - was man beachten sollte um Komplikationen zu vermeiden?

Michel Röthlisberger, Basel

13:00-13:30

Versorgung von Wirbelsäulenfrakturen

Christian T. Ulrich, Bern

13:30-14:00

Warum werden Meningeome noch operiert?

Alex Alfieri, Winterthur

14:00-14:30

Ballsaal

Session III – Kommunikation

Chairs: Daniel Rascher, Basel

14:00-14:30

“astro focusing” Was ist das denn wieder Neues?

Workshop: Entspannt und klar – Freiraum finden bei Stress und Belastung.

So schaffen sie Freiraum im Alltag

Klaus Philipp Günther, Freiburg in Breisgau, DE

14:30-15:00

Kaffee Pause

15:00-16:00

Ballsaal

IG-NOPPS – Vorstandssitzung

Chair: Jürgen Schmidt, Liestal

All posters are shown in digital form as ePosters

SSNS P01-P34, P42 Page 20-23

SSNR P35-P41, P43 Page 23

- P01 Unblackboxing decision making behind artificial intelligence algorithms in intraoperative neurophysiologic monitoring**
J Wermelinger, Q Parduzi, S Koller, M Sariyar, A Raabe, U Schneider, K Seidel | Bern, CH; Luzern, CH; Biel, CH
- P02 Influence of eloquent brain tumors on excitability of the primary motor cortex**
J Wermelinger, K Lutz, H Lenggenhager, K Seidel | Bern, CH
- P03 Reliability of Self-measured Objective Functional Impairment Using the Timed Up and Go Test in Patients with Diseases of the Spine**
MR Lüssi, G Fischer, FC Stengel, M Stienen | St.Gallen, CH
- P04 Increased mortality, reduced life expectancy and increased cardiovascular co-morbidities in patients with intracranial aneurysms**
B Grüter, B Bandhauer, S Wanderer, P Gruber, J Berberat, C Blohm, M Cattaneo, G Schubert, L Regli, L Remonda, S Marbacher, L Anderegggen, H Steiger | Aarau, CH; Neuchatel, CH; Basel, CH; Zürich, CH
- P05 Augmented reality for procedural targeting**
P Reinacher, A Stanicki, R Roelz, N Schallner, A Rau, B Jürgen, T Demerath | St.Gallen, CH; Freiburg, DE
- P06 Anaplastic Astrocytomas of the Cerebellopontine Angle: A Case Report and Review of the Literature**
N Redolfi, C Soffiati, PP Panciani, F Doglietto, S Momjian, K Schaller, M Fontanella, L De Maria | Brescia, IT; Rome, IT; Geneva, CH
- P07 Feasibility of Robot-Guided Cold Ablation Osteotomy for Anterior Clinoidectomy**
TT Ha, M Schicker, Y Luder, R Guzman, F Thieringer, L Mariani, M Morawska, D Cordier, M Roethlisberger | Basel, CH
- P08 Feasibility and accuracy of robot-guided cold ablation osteotomy for extradural optic canal unroofing**
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- P09 Brain-Heart interaction during ecstatic seizures**
R Tyrand, GR Iannotti, F Bartolomei, F Bratu, M Dragos Malfia, A Nica, S Vulliemoz, L Spinelli, K Schaller, F Picard | Geneva, CH; Marseille, FR; Rennes, FR; Geneva, CH
- P10 3D-Printed Intraventricular Neuroendoscopy Simulator: Development, Validation, and Future Training Applications**
A Saemann, AE De Rosa, J Zubizarreta, N Sharma, F Thieringer, J Soleman, R Guzman | Basel, CH; Wohlen, CH

- P11 Accuracy and Safety Assessment of Cervical Pedicle Screw Instrumentation with a Systematic Review**
F Peter, Y Irmak, M Moser, D Baschera, G Jost, C Goga, U Schneider, E Nevzati | Basel, CH; Aarau, CH; Chur, CH; Lucerne, CH; Biel, CH; Fribourg, CH
- P12 Early rehabilitation using a mind-motor exercise program for patients with traumatic brain injuries: A feasibility study in the acute hospital setting**
E Schulz, A Steurer, J Brechbühl, E Giannouli, A Hickmann | St.Gallen, CH; Zurich, CH
- P13 SpineJack Kyphoplasty for the treatment of traumatic thoracolumbar burst fractures- Results from a retrospective cohort study**
D Baschera, Y Straub, D Coluccia, L Kronberger, M Moser, G Jost, E Nevzati | Birmensdorf ZH, CH; Basel, CH; Luzern, CH; Zurich, CH; Chur, CH; Basel, CH
- P14 The impact of hemorrhage extension on external ventricular drain associated infections in patients with primary intracerebral and/or intraventricular hemorrhage**
E Westarp, F Ebel, S Stohler, M von Rotz, M Poretti, R Chen, R Guzman, S Tschudin-Sutter, M Weiss-Rohacek, L Mariani, M Roethlisberger | Basel, CH
- P15 Oxytocin secretion after pituitary surgery and early diabetes insipidus**
P Constanthin, N Isidor, S De Seigneux, S Momjian | Genève, CH
- P16 A Systematic Review of the Metabolism of High-Grade Gliomas: Current Targeted Therapies and Future Perspectives**
L De Maria, PP Panciani, E Di Giovanni, M Fontanella | Geneva, CH; Brescia, IT
- P17 Primary Co-occurrence of Gonadal and Extragonadal Central Nervous System (CNS) Germ Cell Tumors (GCTs): Case Report and Review of the Literature**
F Tengattini, CF Soffiati, PP Panciani, S Momjian, K Schaller, M Fontanella, L De Maria | Brescia, IT; Verona, IT; Geneva, CH
- P18 Model to Simulate Brain Biopsies Using a Navigated Robotic Guiding System and a Bone Cutting Laser**
TT Ha, Y Luder, M Roethlisberger, M Schicker, M Morawska, D Cordier | Basel, CH
- P19 Changes in Ventricular Volume after Endoscopic Third Ventriculostomy for Aqueductal Stenosis in Adults**
F Ebel, C Mariani, R Guzman, J Soleman | Basel, CH
- P20 SpineJack Reconstruction with cement augmentation vs Conventional Balloon-Kyphoplasty or Vertebroplasty for Stable Vertebral Fractures: A Comparative Study**
D Cipriani, J Jost, L Anderegg, GA Schubert, M Bruder | Aarau, CH
- P21 CAR Macrophages for Brain Tumor Immunotherapy**
T Schenker, F Gerster, G Hutter | Therwil, CH; Basel, CH
- P22 Continuous intrathecal or intra-arterial nimodipine administration as rescue therapy for refractory vasospasm in patients with aneurysmal subarachnoid haemorrhage is safe and effective**
MD Müller, K Janosovits, P Mordasini, T Dobrocky, JC Scheffold, P Schucht, M Murek, D Bervini, A Raabe, W Z'Graggen | Bern, CH

- P23 Transforaminal lumbar interbody fusion with or without posterior release of the anterior longitudinal ligament – a single-center, retrospective observational cohort study**
S Högl-Roy, F Stengel, G Fischer, L Bättig, A Veeravagu, B Martens, M Stienen | St.Gallen, CH
- P24 Anterior column realignment via minimally-invasive lateral thoracic and lumbar interbody fusion with expandable interbody spacers – considerations, complications & outcomes**
G Fischer, L Bättig, T Schöfl, A Veeravagu, B Martens, M Stienen | St.Gallen, CH
- P25 Unveiling Self-Related Deficits in Neurosurgical Patients: Insights from the Self-Other Voice Discrimination Task as a Neuropsychological Tool**
P Voruz, P Orepic, SY Coll, J Haemmerli, O Blanke, JA Péron, K Schaller, GR Iannotti | Geneva, CH
- P26 Radiomics for Differentiation of Pediatric Posterior Fossa Tumors: A Meta-Analysis and Systematic Review of the Literature**
A Garaba, F Ponzio, E Grasso, W Brinjikji, M Fontanella, L De Maria | Brescia, IT; Turin, IT; Philadelphia, PA, US; Rochester, MN, US; Geneva, CH
- P27 Intraoperative mixed reality and recalibration based on signature vessels: two series of 11 consecutive cases**
C Mollica, J Haemmerli, P Bijlenga | Geneva, CH
- P28 Hydrocephalus in surgically treated glioblastoma patients – To treat or not to treat?**
E Westarp, J Soleman | Basel, CH
- P29 Identification of plasma-derived diagnostic and prognostic biomarkers including SERPINA3 for glioma and glioblastoma**
MM Etter, W Duchemin, T Shekarian, C Durano, J Vogel, M Ritz, G Hutter | Basel, CH
- P30 Adverse events in neurosurgery: Validation of the Therapy-Disability-Neurology (TDN) Grade using an international survey-based assessment**
APR Terrapon, V Kälin, AM Zeitlberger, J Weller, C Kissling, N Neidert, M Mohme, A El-Garci, TA Juratli, P Dao Trong, MN Stienen, IC Hostettler, M Broggi, J Sarnthein, L Regli, O Bozinov, MC Neidert | Bern, CH; St.Gallen, CH; München, DE; Freiburg, DE; Hamburg, DE; Oldenburg, DE; Dresden, DE; Heidelberg, DE; Milan, IT; Zürich, CH
- P31 Virtual Surgical Planning and Customized CAD/CAM Cranial Implants: Preoperative and Intraoperative Strategies for Temporal Intraosseous Meningioma Resection**
E Westarp, N Sharma, J Zubizarreta, A Burde, FM Thieringer, M Roethlisberger | Basel, CH
- P32 Management of Recurrent Cerebrospinal Fluid Rhinorrhea caused by Sequential, Anatomically separated Skull Base Defects – A Case-Based Systematic Review**
TJ Hallenberger, J Rychen, J Soleman, J Fernandez-Miranda, Y Brand, L Mariani, M Roethlisberger | Basel, CH; Paolo Alto, US; Chur, CH
- P33 The SAIF (Stent-Screw Assisted Internal Fixation) technique: A treatment option for OF5 osteoporotic vertebral fractures – a case series.**
C Commodaro, L Strulak, M Pileggi, I Cabrilo, M Isalberti, JA Hirsch, A Cardia, A Cianfoni | Lugano, CH; Boston (US)

- P34 Anticipating the Clip: Analyzing VR-Guided Clip Placement in Preoperative Planning for Intracranial Aneurysms – A Pilot Study**
A Saemann, M Zelechowski, B Faludi, P Cattin, L Mariani, J Soleman, R Guzman | Basel, CH; Allschwil, CH
- P35 First-pass eTICI: Comparison between the single and the dual stentriever techniques for thrombectomy**
F Puccinelli, T Fracheboud, A Salerno, S Hajdu, B Bartolini, P Michel, G Saliou | Lausanne, CH
- P36 Emergency endovascular treatment of stroke due to cervical artery dissection – Impact of periprocedural GP IIb/IIIa inhibitor use on clinical outcome**
A Sornalingam, M Stattnann, J Baumann, P Thurner, J Madjidyar, HS Husain, M Krepuska, C Globas, A Luft, Z Kulcsar, T Schubert | Zurich, CH
- P37 Risks and error detection in interventional neuroradiology: proposal for a systematic categorisation of error sources**
T Schubert, Z Kulcsar, P Ebert | Zürich, CH; Stirling (GB)
- P38 Differentiation of responders from non-responders among glioblastoma patients after first-line treatment using the Peak-Enhancement derived from GRASP Dynamic Contrast-Enhanced MRI**
B Vankan, V Var, N Rommers, M Psychogios, R Todea | Basel, CH
- P39 Radiomics for differentiation of gliomas from primary central nervous system lymphomas: a systematic review and meta-analysis**
A Garaba, F Ponzio, PP Panciani, W Brinjikji, M Fontanella, L De Maria | Brescia, IT; Turin, IT; Brescia, IT; Rochester, MN, US; Geneva, CH
- P40 Clustering fMRI Time-Series in Glioblastoma Characterization: A Review of the Evolution, Applications, and Potentials**
M De Simone, G Iaconetta, G Palermo, A Fiorindi, K Schaller, L De Maria | Salerno, IT; Brescia, IT; Geneva, CH
- P41 Persistent diffusion-restriction lesions in post-stroke patients.**
D Gorup, F Morra, J Madjidyar, P Thurner, M Krepuska, Z Kulcsar, T Schubert | Zürich, CH
- P42 Cigarette Smoking and Intracranial Aneurysms: A Pilot Analysis of SNPs in the CYP2A6 Gene in the Italian Population**
E Ferrari, C Cornali, A Fiorindi, S Gallone, E Rubino, F Ponzio, M Fontanella, L De Maria | Brescia, IT; Turin, IT; Geneva, CH
- P43 Rescue Stenting outcomes after failed reperfusion in Medium/Distal Vessel Occlusions: A retrospective Analysis of the BASEL ICAD-Registry**
A Anastasiou, A Brehm, T Rusche, M Psychogios | Basel, CH

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Kantonsspital Winterthur,
Neurochirurgie und Wirbelsäulenchirurgie,
Winterthur

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Uniklinik Freiburg,
Neurozentrum,
Freiburg in Breisgau, DE
- 13, 16 **Prof. Philippe Bijlenga, MD**
HUG, Hôpitaux Universitaires de Genève,
Neurochirurgie, Genève

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- 14 **Fabio Carrillo, MD**
Universitätsklinik Balgrist,
OR-X Research, Zürich
- 17 **Prof. Alessandro Cianfoni, MD**
Università della Svizzera italiana /
Ospedale Civico di Lugano,
Neuroradiologia interventistica, Lugano

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- 14, 17 **Tomas Dobrocky, MD**
Inselspital Bern,
Diagnostische und Interventionelle,
Neuroradiologie, Bern

E

- 14 **Prof. Myriam Edjlali, MD**
Hôpital Raymond-Poincaré,
Radio-diagnostic, Garches, FR

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- 14 **Prof. Olof Flodmark, MD PhD FRCPC**
Karolinska University Hospital,
Neuroradiology
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- 14, 17, **Jean-Yves Fournier, MD**
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Service de neurochirurgie, Sion

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Astro Focusing Coaching,
Freiburg in Breisgau, DE
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Hirslandenklinik St. Anne,
Neuro- und WirbelsäulenZentrum
Zentralschweiz, Luzern

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- 16 **Gregor Hutter, MD**
Universitätsspital Basel,
Neurochirurgie, Basel

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- 13, 16 **Prof. Felix Kurz, MD Dr. rer. nat.**
HUG, Hôpitaux Universitaires de Genève,
Neuroradiologie, Genève

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- 13, 14 **Prof. Karl-Olof Lövblad, MD**
HUG, Hôpitaux Universitaires de Genève,
Neuro-diagnostique et neuro-
interventionnel, Genève

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- 17 **Theoni Maragkou, MD**
Universität Bern,
Neuropathologie, Bern

- 13 **Richard McKinley, MD**
Inselspital Bern,
Neuroradiologie, Bern

- 13 **Prof. Denis Migliorini, MD**
HUG, Hôpitaux Universitaires de Genève,
Neurooncologie, Genève

- 14 **Granit Molligaj, MD**
HUG, Hôpitaux Universitaires de Genève,
Neurochirurgie, Genève

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- 14 **Prof. Vítor Pereira (Mendes), MD**
University of Toronto / St. Michael's
Hospital,
Neurosurgery, Toronto, CD

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Inselspital, Universitätsspital Bern,
Neurochirurgie, Bern
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Universitätsspital Basel,
Neurochirurgie / Spinalchirurgie, Basel
- 16, 18 **Prof. Marios Psychogios, MD**
Universitätsspital Basel,
Neuroradiologie, Basel
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- 19 **Daniel Rascher**
Universitätsspital Basel,
POB, Basel
- 18 **Jonathan J. Ratcliff, MD**
Emory University Hospital,
Emergency Medicine, Atlanta, US
- 13 **Prof. Osman Ratib, MD**
Agora Care SA,
Radiology and Medical Informatics,
Genève
- 19 **Joy Rösli**
Universitätsspital Zürich,
Neurochirurgie, Zürich
- 19 **PD Michel Röthlisberger, MD**
Universität Basel,
Neurochirurgie, Basel
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- 18 **Prof. Guillaume Saliou, MD**
CHUV - Centre hospitalier universitaire
vaudois, Service de radiodiagnostic et
radiologie interventionnelle, Lausanne
- 17, 19 **Attil Saemann, MD**
Universitätsspital Basel,
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- 19 **Jürgen Schmidt**
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- 16, 18 **PD Tilman Schubert, MD**
Universitätsspital Zürich,
Neuroradiologie, Zürich
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- 19 **Istvan Stanko**
Universitätsspital Basel,
Fachpflege Operationslagerungen, Basel
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- 19 **Christian Thomas Ulrich, MD**
Lindenhof Spital,
Neuroschiurgie, Bern
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- 13, 14 **Prof. Isabel Wanke, MD**
Klinik Hirslanden / SNRI,
Zentrum für Neuroradiologie, Zürich
- 17 **Prof. Roland Wiest, MD**
Inselspital Bern,
Diagnostische und Interventionelle
Neuroradiologie, Bern

List of Exhibitors

Opening Hours

Thursday, 20.06.2024 09:15-17:30

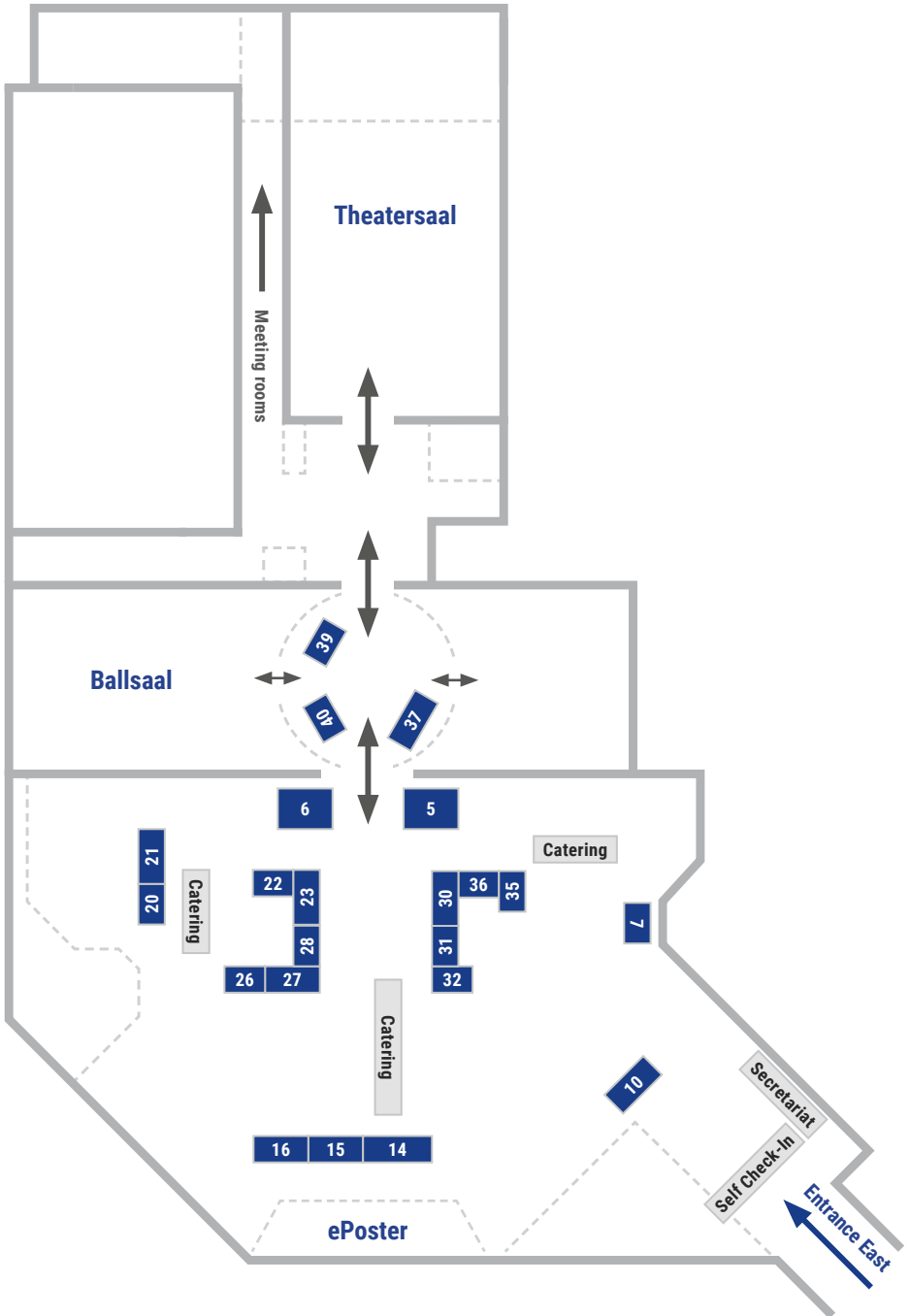
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Exhibitor list

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Nr.	Company
22	1a medical ag
20	B. BRAUN MEDICAL AG
30	Bayer (Schweiz) AG
7	BK Medical Schweiz GmbH
26	Brainlab Sales GmbH
21	Carl Zeiss GmbH
31	Depuy Synthes, Johnson & Johnson AG
40	Eli Lilly (Suisse SA)
39	Fehling Instruments GmbH & Co. KG
10	Health Solutions & Support AG
37	ILS Services Schweiz AG - c/o Fidulem SA
28	inomed Medizintechnik GmbH
36	Meditrend SA
23	Medtronic (Schweiz) AG
16	MicroVention Deutschland GmbH
35	Nexamedic SA
14	Novocure
6	Olympus Schweiz AG
27	Promedics GmbH
15	Servier (Suisse) SA
5	Stryker GmbH & Co
32	Vostra GmbH

Exhibition- and Floorplan



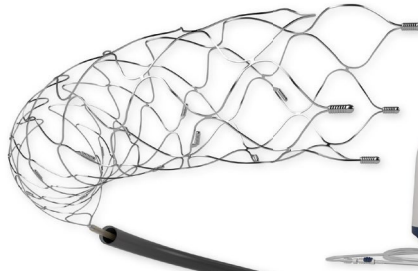
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Shield Technology™



Solitaire™ X
Revascularization Device



Riptide™
Aspiration Pump



Phenom™ 21
160 cm Catheter



React™ 68/71
Catheters



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Intrasaccular Device



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