

01.-03. October 2021

12th Symposium



Spine

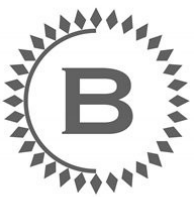
Functional

Pediatrics

Hotel Belvedere

Locarno, Switzerland

# SSYNSS



**BELVEDERE**

LOCARNO

# About us

The Swiss Young Neurosurgeons Society (SYNS) is dedicated to the continuous improvement of the neurosurgical training program for residents and young consultants in Switzerland.

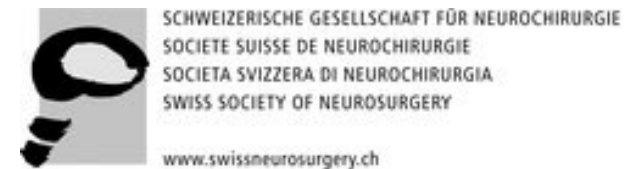
We were founded in 2005 by a handful of young residents striving to achieve a high standard of specialty training by organizing focused talks, symposiums and hands-on courses. Our aim is to increase learning and inspiration in the field of neurosurgery while bringing together young minds from all over the country. As of 2011 SYNS carries the status of a registered non-profit society by Swiss law.



# Sponsors



Health Solutions & Support



# Friday Oct 1<sup>st</sup>

09:00-09:30 Registration and welcome

## SESSION I BASICS IN THORACO-LUMBAR SPINE SURGERY

09:30-09:45 Classification of degenerative spinal pathology FM

09:45-10:00 Lumbar posterior decompression/microdiscectomy AeR

10:00-10:15 Minimally invasive techniques for posterior approaches KH

10:15-10:30 Anatomical principles for thoraco-lumbar screws YH

10:30-10:45 Image-guidance: from X-ray to neuronavigation AeR

10:45-11:10 Coffee/Industry Workshop

## SESSION II BASICS IN CERVICAL SPINE SURGERY

11:15-11:30 Principles of spinal cord anatomy MS

11:30-11:45 Anterior cervical discectomy/corpectomy OH

11:45-12:00 Anterior, posterior, 360°? Choice of the appropriate approach for degenerative myelopathy YH

12:00-12:15 Cervical laminectomy-fusion vs. laminoplasty: pros & cons YH

12:15-12:45 CASE DISCUSSION SESSION

1. ACDF: to plate or not to plate? MS
2. CDH: ACDF vs Frykholm OH

12:45-13:55 Lunch

## SESSION III OSTEOPOROSIS

14:00-14:15 OF Classification & fragile patients: when to treat? FM

14:15-14:30 Basic techniques: Vertebroplasty & Balloon kyphoplasty MP

14:30-14:45 Armed Kyphoplasty techniques MP

14:45-15:10 Coffee/Industry Workshop

## SESSION IV TRAUMA

15:15-15:25 AO Spine Classification Review FM

15:25-15:45 C0-C1-C2: anatomy, stability & fractures AB

15:45-16:00 C1-C2: different screwing techniques DJ

16:00-16:15 Posterior cervical screws: lateral mass/pedicles AB

16:15-16:30 Surgical strategies for thoraco-lumbar fractures CT

16:30-17:00 CASE DISCUSSION SESSION

1. C2 fractures in the elderly: conservative vs operative CT
2. A3 fractures: when to put screws? MS

17:15-18:00 SYNS General assembly LB/MG

18:15-20:00 Leisure time

20:30 Dinner at the Hotel

# Saturday Oct 2<sup>nd</sup>

08:00-09:00 WAKE-UP SESSION: MOCK EXAM MS

## SESSION V ADVANCED SURGICAL TECHNIQUES

09:00-09:15 Posterior lumbar fusion: standard approaches (PLIF/TLIF) BM

09:15-09:30 Lateral approaches to the lumbar spine (XLIF/DLIF/LLIF/OLIF): pearls & pitfalls AB

09:30-09:45 IONM to preserve the lumbar plexus during lateral approaches MD

09:45-10:00 Anterior approaches to the lumbar spine (ALIF): pearls & pitfalls PS

10:00-10:15 Unusual screws: Sacral & Iliac screws CT

## 10:15-10:45 CASE DISCUSSION SESSION

1. Postoperative SSI RGu

2. Dural tears & CSF leaks KH

10:45-11:10 Coffee/Industry Workshop

## SESSION VI TUMOR / INFECTIONS

11:15-11:30 Intracanal tumors SK

11:30-11:45 Osseous tumors & Metastases DJ

11:45-12:00 Prognostic classifications: choice of the right approach BM

12:00-12:15 Corpectomy: technical nuances SK

12:15-12:30 Spondylodiscitis: operative vs conservative SK

## 12:30-12:45 CASE DISCUSSION SESSION

1. Management of sacral tumors BM

12:45-13:55 Lunch

## SESSION VII PEDIATRICS / DEFORMITY

14:00-14:15 Pediatric TBI: scan or observe? MLi

14:15-14:30 Chiari malformations: diagnosis & treatment RGz

14:30-14:45 Neural tube defects: essentials MLi

14:45-15:00 Idiopathic scoliosis DJ

15:00-15:15 Sagittal balance: when & how much do we need to correct? AeR

15:15-15:40 Coffee/Industry Workshop

## SESSION VIII FUNCTIONAL / PAIN

15:45-16:00 New developments in laser technology and potential applications in neurosurgery PR

16:00-16:15 DBS Stimulation for movement disorders PR

16:15-16:30 Spinal cord stimulation & intrathecal drug delivery for pain LV

16:30-16:45 Trigeminal neuralgia: treatment strategies LV

16:45-17:00 IONM in spinal tumor surgery KS

17:00-17:15 Chronic back pain & psychosocial factors DK

17:45-19:00 Team event/Spa

19:45 Meeting in the hotel lobby & bus transfer

20:00 Dinner at Restaurant BLU - Locarno

# Sunday Oct 3<sup>rd</sup>

## SESSION IX HYDROCEPHALUS

10:00-10:15	Hydrocephalus: classifications	MLi
10:15-10:30	Pediatric hydrocephalus	RGz
10:30-10:45	Idiopathic intracranial hypertension	MD
10:45-11:00	ETV: anatomical & technical principles	TR
11:00-11:15	NPH: when do we need to put a shunt?	RGz

## 11:15-11:30 CASE DISCUSSION SESSION

1. Shunt malfunctions management MLi

## 11:30-11:45 Coffee/Industry Workshop

## CLOSING SESSION

11:50-12:20	Writing a scientific paper: How can I do it?	MS
12:20-12:35	The right indication for the right patient: the key for success in spine surgery	DK
12:35-12:50	Augmented reality & robotics: towards the future & the chase of perfection	PS
12:50-13:00	<b>End of the course</b>	

## ABBREVIATIONS

Andrea Bartoli	AB
Martina Dalolio	MD
Amir El Rahal	AeR
Ramona Guatta	RGu
Raphael Guzmán	RGz
Yoon Ha	YH
Oliver Hausmann	OH
Karen Huscher	KH
Dezső J. Jeszenszky	DJ
Sandro Krieg	SK
Dominique Kuhlen	DK
Maria Licci	MLi
Francesco Marchi	FM
Bernhard Meyer	BM
Marco Pileggi	MP
Peter Reinacher	PR
Thomas Robert	TR
Pietro Scarone	PS
Kathleen Seidel	KS
Martin Stienen	MS
Claudius Thomé	CT
Luca Valci	LV