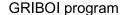


GRIBOI PROGRAM

Monday, 16 October, 2023

GRIBOI opening ceremonySäulenhalle		
8:20 a.m. – 8:30 a.m.		
Alexis Kelekis (GRIBOI president) Marc Bohner (Congress chair)		
GRIBOI Session 1Säulenhalle		
8:30 a.m. – 10:30 a.m.		
Chairs: Jiang Chang (Shanghai, China) Alexis Kelekis (Haidari/ Athens, Greece)		
8:30 a.m. GRIBOI 1-1	Advanced image guided navigation of spine interventions <u>Dimitrios Filippiadis</u> University General Hospital "ATTIKON", National and Kapodistrian University of Athens, 2nd Department of Radiology, Athens, Greece	
8:50 a.m. GRIBOI 1-2	Third-generation percutaneous vertebral augmentation Silvia Santiago, Jesus Crespo, Maria Bragado, Rubén Hernández, Gregorio De Jesus Labrador, Fransicso Ardura, David Cesar Noriega Hospital Clínico Universitario de Valladolid, Valladolid, Spain	
9:10 a.m. GRIBOI 1-3	Does a temporal drop of extracellular calcium level induce heterotopic ossification in injured tissues? Marc Bohner RMS Foundation, Bettlach, Switzerland	
9:30 a.m. GRIBOI 1-4	The calcium carbonate - calcium phosphate system as a toolbox for injectable and customized bone cements Christèle Combes CIRIMAT - Toulouse INP, ENSIACET, Toulouse, France	
9:50 a.m. GRIBOI 1-5	A Neiman Fellow on health policy considerations in device development (OLD TITLE: Regulatory and health policy considerations in device development) Joshua Hirsch SNIS Society of NeuroInterventional Surgery, Fairfax, USA	
10:10 a.m. GRIBOI 1-6	Cavitation bubble dynamics and its application in medical field Mohamed Farhat	
	Head of Cavitation Research Group, Lausanne, Switzerland	

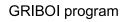
SHORT PROGRAMM





Coffee BreakSäulenhalle 10:30 a.m. - 11:00 a.m. GRIBOI Session 2Säulenhalle 11:00 a.m. - 1:00 p.m. Chairs: Malin Nilsson (Stockholm, Sweden) Luigi Manfre (Palermo, Italy) 11:00 a.m. GRIBOI 2-1 Ablation and cement augmentation for the treatment of painful osseous metastatic lesions Jack Jennings Mallinckrodt Institute of Radiology, St. Louis, USA 11:20 a.m. GRIBOI 2-2 Percutaneous management of vertebral metastasis with extreme osteolyis Diego San Millán IRS Institut de Radiologie de Sion, Sion, Switzerland 11:40 a.m. GRIBOI 2-3 Development of a Thermoelectric Cryoneurolysis Device Utilizing the **Peltier Effect** Ahmed Mahran, Kieran Murphy Toronto Western Hospital, Department of Radiology, Toronto, Canada 11:50 a.m. **GRIBOI 2-4** Development of injectable bioactive composites for tissue repair Jiang Chang Shanghai Institute of Ceramics, Shanghai, China 12:10 p.m. GRIBOI 2-5 Basivertebral Nerve Ablation: Diagnostic and Therapeutic Challenges Douglas Beall Clinical Radiology of Oklahoma, Edmond, USA 12:30 p.m. GRIBOI 2-6 Ablation and Fixation for Metastatic Disease: Biomechanical effects and Durability Sean Tutton UC San Diego Health, San Diego, USA Lunch Break.....Säulenhalle 1:00 p.m. – 2:30 p.m.

SHORT PROGRAMM





GRIBOI Session 3Säulenhall		
2:30 p.m. – 4:30 p.m.		
Chairs: Christèle Combes (Toulouse, France) Stefano Marcia (Cagliari, Italy)		
<u>.</u>	Spine Instability: from the diagnosis to the treatment <u>Luigi Manfre</u> University of Pittsburgh Medical Center, Salvator Mundi International Hospital, Palermo, Italy	
\$ <u>1</u>	Disc augmentation with PMMA bone cement with and without cement softener – pre-clinical and clinical review Malin Nilsson Inossia AB; Stockholm, Sweden	
<u>(</u>	Interventional treatments for discogenic back pain Olivier Clerk-Lamalice Beam Radiology, Calgary, Canada	
<u>/</u>	Back Pain Management: The Ladder from Imaging to Treatment Alexis Kelekis National and Kapodistrian University of Athens, Greece	
\$ <u>\begin{align*} </u>	Management of Tarlov cysts an uncommon but serious life-altering spinal column disease – What do we know now through evidence and experience with over 1,000 patients? Kieran Murphy SpinaFX Medical, Toronto, USA	
3	Decision support and instrument navigation for percutaneous ablations in Liver, Lung and Kidney Stefan Weber CASCINATION AG, Bern, Switzerland	
Coffee Break		
General AssemblySäulenhalle 5:00 p.m. – 6:00 p.m.		

10:30 a.m. - 11:00 a.m.



Tuesday, 17 October, 2023

GRIBOI Session 4Säulenhalle		
8:30 a.m. – 10:30 a.m.		
Chairs: Douglas Beall (Edmond, USA) Marc Bohner (Bettlach, Switzerland)		
8:30 a.m. GRIBOI 4-1	Prophylactic Augmentation: Biomechanical Potential and Pitfalls Stephen Ferguson ETH Zurich, Institute for Biomechanics, Zurich, Switzerland	
8:50 a.m. GRIBOI 4-2	Posterior approach VC fractures why and when. <u>Gianluca Maestretti</u> HFR Fribourg – Hôpital cantonal, Fribourg, Switzerland	
9:10 a.m. GRIBOI 4-3	Combining systemic and local osteoporosis treatments: first results in rodents	
	Vincent Stadelmann ³ , Estelle Gerossier ² , <u>Ulrike Kettenberger</u> ¹ , Dominique Pioletti ² ¹ flowbone SA, Lausanne, Switzerland ² EPFL, Laboratory of Biomechanical Orthopedics, Lausanne, Switzerland ³ Schulthess Klinik, Department of Research and Development, Zürich, Switzerland	
9:30 a.m. GRIBOI 4-4	New Musculosekeletal devices used in Europe, not yet available in America Stefano Marcia ASL CAGLIARI, Radiology, Cagliari, Italy	
9:50 a.m. GRIBOI 4-5	Treatment of Vertebral Osteoporotic Compression Fractures : cement vs real bone augmentation Allan Brook Montefiore Medical Center, New York, USA	
10:10 a.m. GRIBOI 4-6	Techniques to make vertebroplasty safer Lorin M. Benneker Spine Service, Orthopedic Department, Sonnenhofspital, Bern, Switzerland	
Coffee BreakSäulenhalle		

SHORT PROGRAMM

GRIBOI program



Hands On Workshops with the industrySäulenhalle 11:00 a.m. – 1:00 p.m.

Chairs:

Marc Bohner (Bettlach, Switzerland) Alexis Kelekis (Haidari/ Athens, Greece)

11:00 a.m. **GRIBOI WS01**

Hands-on presentation Medtronic

Medtronic

11:25 a.m. **GRIBOI WS02**

Hands-on presentation Inossia & G-21





11:50 a.m. **GRIBOI WS03**

Hands-on presentations Agnovos



12:15 p.m. **GRIBOI WS04**

Hands-on presentation Stryker



Farewell Lunch......Säulenhalle