

EUROSPINE Spring Speciality Meeting 12–13 May 2016, Kraków, Poland

Preliminary Scientific Programme

Thursday, 12 May 2016

09:00–09:15 **Welcome and Introduction**
Chairs: Michael Ogon, Vienna, Austria; Philip Sell, Leicester, UK

09:00 WELCOME AND INTRODUCTION TO EUROSPINE
Michael Ogon, EUROSPINE President
Vienna, Austria

09:07 A BRIEF HISTORY OF SPINAL TRAUMA
Philip Sell, Meeting Chair
Leicester, UK

09:15–10:15 **Cervical Spine**
Chairs: Michael Ogon, Vienna, Austria; Philip Sell, Leicester, UK

- 1** CERVICAL SPINE CLEARANCE: STATES-OF-THE-ART.
Dennis E. Dominguez, Michaël Moeri, Guillaume Racloz
Geneva University Hospitals, Geneva, Switzerland
- 2** ODONTOID SYNCHONDROSIS FRACTURE IN CHILDREN: REPORT OF 6 CASES WITH SPECIAL REFERENCE TO PARTIAL ODONTOIDECTOMY IN AN IRREDUCIBLE ATLANTOAXIAL DISLOCATION
Abolfazl Rahimizadeh, Reza Mollahousaini, Abdol Hadi Daneshi
Pars Advanced&Minimally Invasive Research Center, Affiliated to Iran University of Medical Sciences, Tehran, Iran
- 3** COMPARISON OF FUSION RATES BETWEEN ROD-BASED LAMINAR CLAW HOOK AND POSTERIOR CERVICAL SCREW CONSTRUCTS IN TYPE II ODONTOID FRACTURES.
Andrzej Maciejczak, Wolan-Nieroda Andzelina, Katarzyna Jablonska-Sudol
Rzeszow University, Neurosurgery Tarnow, Poland
- 4** SURGICAL REPAIR OPTIONS OF TYPE II DENS FRACTURES IN ELDERLY PATIENTS BASED ON THE LITERATURE REVIEW AND OWN CASES
Wojciech Glinkowski
Baby Jesus Clinical Hospital, Department of Orthopaedics and Traumatology of Locomotor System (Spine Unit); Medical University of Warsaw; Department of Medical Informatics and Telemedicine, Poland
- 5** MINIMAL INVASIVE LAG SCREW OSTEOSYNTHESIS FOR HANGMAN'S FRACTURES
Jan-Philip Zeden, Dirk Thomas Pillich, Henry Werner Siegfried Schroeder, Jan-Uwe Müller
Universitätsmedizin Greifswald, Klinik in Poliklinik für Neurochirurgie, Greifswald, Germany
- 6** CLINICAL ACCURACY OF AN INTRAOPERATIVE 3D CT-BASED NAVIGATION SYSTEM (O-ARM) ASSISTED CERVICAL PEDICLE SCREW PLACEMENT

10:15–10:45 **Case based podium discussion: Cervical trauma. Bi-facetel fracture dislocation**
Chairs: Philip Sell, Leicester, UK

Case presentation

Matti Scholz, Frankfurt, Germany

Evidence

Zdenek Klezl, Derby, UK

Case solution

Matti Scholz, Frankfurt, Germany

Discussion

10:45–11:15 **BREAK**

11:15–12:30 **Trauma problems in the cervical spine**
Chair: Everard Munting, Biez, Belgium; Haluk Berk, Izmir, Turkey

11:15 **Anatomy and imaging of vertebral artery**
Alberto Zerbi, Milan, Italy

11:35 **Keynote Lecture: Vertebral artery injury**
Thomas Blattert, Schwarzach, Germany

11:55 **Case based podium discussion: Atlas fractures**

Case presentation

Matti Scholz, Frankfurt, Germany

Evidence

Zdenek Klezl, Derby, UK

Case solution

Matti Scholz, Frankfurt, Germany

Discussion

12:30–14:00 **LUNCH WORKSHOPS**

14:00–15:30 **Trauma Care**
Chairs: Charles Greenough, Middlesbrough, UK; Andrzej Maciejczak, Tarnow, Poland

14:00 **Measurement of blood flow and spinal decompression**
Marios Papadopoulos, London, UK

14:30–15:30 **Acute Trauma Care**

7 THE TIMING OF SURGERY IN ACUTE SPINAL CORD INJURY: SURVEY STUDY

Grzegorz Miekisiak, Wojciech Szymanski, Pawel Jarmuzek, Dariusz Latka
Department of Neurosurgery, Specialist Medical Center, Polanica-Zdroj, Poland

8 A DELAY OF LESS THAN 7 H BETWEEN INJURY AND SURGICAL DECOMPRESSION REPRESENTS THE BEST THEORETICAL CUT-POINT FOR SIGNIFICANT NEUROLOGIC RECOVERY IN PATIENTS WITH TRAUMATIC CERVICAL SCI

Marko Jug, Milo Vesel, Matej Cimerman
Department of traumatology, UMC Ljubljana, Slovenia

9 INTRAOPERATIVE HYPEREXTENSION LUMBAR FRACTURE IN A PATIENT WITH DIFFUSE IDIOPATHIC SKELETAL HYPEROSTOSIS UNDERGOING ABDOMINAL SURGERY

Jose M Cavanilles Walker , Juan Bernal , Miquel Iborra, David Rodriguez, Maite Ubierna
Hospital Universitari Germans trias i Pujol, Barcelona (Spain), Badalona, Spain

10 TURNING ADVERSITY IN OPPORTUNITY

Philip Sell

University Hospitals of Leicester, UK

11 VERTEBRAL FRACTURES HEALING ASSESSMENT METHODS - THE REVIEW

Wojciech Glinkowski, Jerzy Narloch

Baby Jesus Clinical Hospital, Spine Unit, Department of Orthopaedics and Traumatology, Warsaw, Poland; Chair and Department of Orthopaedics and Traumatology of Locomotor System, Center of Excellence "TeleOrto", Medical University of Warsaw, Baby Jesus Clinical Hospital, Warsaw, Poland

12 VERTEBRAL COLUMN FRACTURE TREATMENT IN CHILDREN AND ADOLESCENTS

Aleksander Szwed, Maciej Koban, Tadeusz Bilnicki

Pomeranian Medical University in Szczecin, Poland

15:30–16:00 **BREAK**

16:00–17:30 **Chair: Philip Sell, Leicester, UK**

16:00–16:30

A cord injury, the vital early care

Charles Greenough, Middlesborough, UK

20mins

Discussion

10mins

16:30–17:10

Autologous bulbar olfactory ensheathing cells...something to consider in very specific cases?

Pawel Tabakow, Wroclaw, Poland

20mins

Discussion

20mins

17:10

The natural history of cord injury and the challenge of improving on natural history

Wagih El Masri, Keele, Staffordshire, UK

15mins

Discussion

5mins

17:30

Conclusion

20:00

Official Congress Dinner

(at own expenses)

Friday, 13 May 2016

08:45–09:45

QuickFires: Trauma

Chairs: Marco Teli, Liverpool, UK; Marios Papadopoulos, London, UK

QF1

MULTIPLE INJURY OF THE SPINAL CORD

Oleg Dulub

Belarus science and practical centre traumatology and orthopedics, Minsk, Belarus

QF2

GUILLAIN-BARRE SYNDROME FOLLOWING SPINAL FUSION FOR THORACIC VERTEBRAL FRACTURE

Jun Seok Lee

Pusan National University Yangsan Hospital, South Korea

QF3

UNSTABLE CERVICAL SPINE INJURY IN PATIENT WITH NEGATIVE CT SPINE: CASE REPORT

Ashraf Dower, Johnny Efendy, Renata Abraszko

Department of Neurosurgery, Liverpool Hospital - Sydney, Australia

QF4

MANAGEMENT OF RE-DISLOCATION AFTER ANTERIOR FUSION FOR BILATERAL CERVICAL FACET DISLOCATION : A CASE REPORT

Jun Seok Lee

Department of Neurosurgery, Pusan National University Yangsan Hospital, South Korea

QF6

ANTERIOR VERSUS POSTERIOR APPROACH IN TREATMENT OF UNILATERAL CERVICAL DISLOCATIONS

Marek Paciak, Adam Pala, Micha Biaek

Wojewódzki Szpital Chirurgii Urazowej, Piekary I skie, Poland

- QF7** THE EFFECT OF OPEN-DOOR LAMINOPLASTY FOR TREATMENT OF ACUTE TRAUMATIC CERVICAL SPINAL CORD INJURY
Jun Seok Lee
Pusan National University Yangsan Hospital, South Korea
- QF9** A „TWITTER TIP“ SIMPLE AID TO SPINE FUSION BONE GRAFTING IN LESS THAN 90 WORDS
Philip Sell
University Hospitals of Leicester, UK
- QF10** DIFFERENCE BETWEEN MINOR TRAUMATIC AND NON-TRAUMATIC OSTEOPOROTIC VERTEBRAL COMPRESSION FRACTURES
Daisuke Umebayashi, Yu Yamamoto, Yasuhiro Nakajima, Masahito Hara
Inazawa Municipal hospital, Inazawa, Japan
- QF11** COMPLICATIONS AND OUTCOME OF PATIENTS WITH LIVER CIRRHOSIS (CHILD-PUGH STAGES B & C) AFTER SPINAL INSTRUMENTATION
Ramazan Dalkilic, Christian Ewald, Rolf Kalff
University Hospital of Jena, Germany
- QF12** ANTERIOR LUMBAR DISCECTOMY AND FUSION IN ACUTE INCOMPLETE CAUDA EQUINA SYNDROME
Yma Markmann, Andrew Clarke
Royal Devon and Exeter Hospital, Exeter, UK

09:45–10:45	QuickFire Debates
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- 09:45–10:15 **QuickFire Debate 1**
TREATMENT OF THORACO-LUMBAR A3/A4 FRACTURES WITHOUT NEUROLOGY
- | | | |
|--------|---------------------|------------------|
| Leader | Charles Greenough | Vote |
| Pro | Wojciech Glinkowski | I always operate |
| Contra | Grzegorz Miekisiak | I never operate |

- 10:15–10:30 **QuickFire Debate 2**
FUSION IN THORACO-LUMBAR A3/A4 FRACTURES WITHOUT NEUROLOGY
- | | | |
|--------|-------------------|---------------|
| Leader | Frank Kandziora | Vote |
| Pro | Charles Greenough | I always fuse |
| Contra | Philip Sell | I never fuse |

- 10:30–10:45 **QuickFire Debate 3**
IMPLANT REMOVAL IN THORACO-LUMBAR A3/A4 FRACTURES WITHOUT NEUROLOGY
- | | | |
|--------|-------------------|---------------------------|
| Leader | Marco Teli | Vote |
| Pro | Stavros Stavridis | I remove routinely |
| Contra | Philip Sell | I do not remove routinely |

10:45–11:15 BREAK

11:15–12:30	Spine Trauma in Elderly Chairs: Frank Kandziora, Frankfurt, Germany; Tomasz Potaczek, Zakopane, Poland
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- 11:15 OSTEOPOROTIC FRACTURES (Spine Tango data)
Everard Munting, Biez, Belgium

11:30–12:30 **Navigation, cement and the sacrum**

- 13** SPINAL TRANSPEDICULAR INSTRUMENTATION WITH PMMA AUGMENTATION OF FRACTURED VERTEBRA AS THE EQUIVALENT OF COMBINED ANTERIOR-POSTERIOR 360 INSTRUMENTATION
Wojciech Glinkowski
Baby Jesus Clinical Hospital, Department of Orthopaedics and Traumatology of Locomotor System (Spine Unit); Medical University of Warsaw, Department of Medical Informatics and Telemedicine, Warsaw, Poland

- 14** DOUBLE BALLOON VERTEBRAL KYPHOPLASTY (BKP): A NEW TECHNOLOGY FOR EXTENDED INDICATIONS IN VERTEBRAL FRACTURE TREATMENT
Frank Hertel, Ardian Hana, Nitish Vidal Gunness, Christophe Berthold, Wolfram Schrecklinger
1 Service National de Neurochirurgie, Centre Hospitalier de Luxembourg, Luxembourg; 2 Joline Company, Hechingen, Germany
- 15** DOES THE QUANTITY OF CEMENT LEAK INTO THE DISC FOLLOWING BALLOON KYPHOPLASTY INFLUENCE THE PROGRESSION OF DEGENERATIVE DISC DISEASE AND THE OCCURRENCE OF ADJACENT VERTEBRAL FRACTURES?
Bakur Jamjoom, Sanjay Patel, Raj Bommireddy, Zdenek Klezl
Department of Trauma and Orthopaedics
Royal Derby Hospital, Derby, UK
- 16** RECENT SPINAL SURGERY USING NAVIGATION SYSTEM FOR SPINAL INJURY
Nobuyuki Shimokawa
Spine Center, Tsukazaki Hospital, Himeji, Japan
- 17** NAVIGATION-ASSISTED SURGERY FOR OSTEOPOROTIC INSUFFICIENCY FRACTURES OF THE SACRUM: TECHNICAL NOTE AND OWN RESULTS
Thomas R. Blattert, Horst Balling
Orthopaedic Clinic Schwarzach, Germany
- 18** OUTCOME OF TREATMENT OF COCCYDYNIA
Donald Buchanan, Jonathan Spilsbury
Royal Orthopaedic Hospital, Birmingham, UK

12:30–14:00 LUNCH WORKSHOPS

14:00–15:50	Spine Trauma in the older patient Chairs: Thomas Blattert, Schwarzach, Germany; Wojciech Glinkowski, Warsaw, Poland	
14:00	The state of the art and the pitfalls of radiology in osteoporotic vertebral fractures Alberto Zerbi, Milan, Italy	20 minutes: 15 presentation, 5 discussion
14:20	At what age does the use of cement in spine trauma become reasonable or accepted practice? Open Discussion	All Faculty
14:30	Osteoporotic burst fractures: An unsolved problem? Thomas Blattert Case presentation	
	Expert opinions on how to solve this case:	
	Marco Teli	I treat it conservatively
	Tomasz Potaczek	I do cement 'plasty' technique
	Frank Kandziora	I do MISS instrumented surgery
	Everard Munting	I do open instrumented surgery
	Case solution	
	Discussion	
	Keynote Lecture: Treatment of Osteoporotic Vertebral Body Fractures <i>Thomas Blattert, Schwarzach, Germany</i>	
15:50–16.00	Reflection: Did we learn something? <i>Philip Sell, Leicester, UK</i>	
16:00	End	