**AO Neurotrauma Course Vienna 2014**

**Main Topic: That’s All ICP**

**Preliminary Draft of Program**

***General Informations***

**Date:**

April 2nd – 4th 2014

**Course Venue:**

Medical University of Vienna

General Hospital of Vienna, AKH

*Lectures & Lab*

Institute of Anatomy

A-1090 Vienna, Währinger Straße 13

Mezzanine

**Course Format:**

International Course, 2 days

Combined didactic and practical sessions

Cadaver Lab

**Language:**

English

**Planed number of Participants**

Oral Lectures: depending how many people register, possible up to 100

Practical Exercises: limited due to the lab space 24

**Wednesday, April 2nd 2014**

5:00pm – 6:00pm Precourse Meeting All Faculty

7:00pm Faculty Dinner

**Thursday, April 3rd 2014**

07:30 – 08:00 Registration

08:00 – 08:20 Welcome and Objectives for Neurotrauma Course

08:20 – 08:40 AO Neuro History, Structure, and Membership (Paul Manson)

**Session I: Epidemiology, Imaging, Paathomechanism, Guidelines**

*Introduction by the Moderator (Paul Manson)*

08:40 – 09:00 Epidemiology of Traumatic Brain Injury (Christian Matula)

09:00 – 09:20 TBI Pathomechanisms (Andrew Maas?)

09:20 – 09:40 Imaging in Traumatic Brain Injury (Michael Bierschneider)

09:40 – 10:00 TBI Guidelines (Stephen Lewis)

*10:00 – 10:20 Break*

**Session II: Neuromonitoring, Polytrauma, Case Discussion**

*Introduction by the Moderator (Michael Bierschneider)*

10:20 – 10:40 Neuromonitoring – past/present/future (Aurelia Peraud)

10:40 – 11:00 Handling of Polytrauma Patient (Johannes Leitgeb?)

11:00 – 12:00 Interactive Case Presentation & Discussion (all Faculty)

*My worst case*

*12:00 – 13:00 Lunch*

**Session III: That’s all ICP**

*Introduction by the Moderator (Christian Matula)*

13:00 – 13:20 The history of ICP (Jürgen Volker Anton)

13:20 – 14:00 **Special Lecture** (Randy Chesnut)

*That’s all ICP*

14:00 – 14:20 Debate

The need for ICP Monitoring (Randy Chesnut/Andreas Gruber)

14:20 – 15:00 Interactive Case Presentation & Discussion (all Faculty)

*ICP Monitoring, placement of bolt*

*Pitfalls in ICP Management (misinterpretation)*

*15:00 – 15:30 Break*

**Session IV: Special Interests**

*Introduction by the Moderator (Francesco Biroli)*

15:30 – 16:00 Pediatric TBI (Aurelia Peraud)

16:00 – 16:30 Concussions and Sports (Stephen Lewis)

16:30 – 17:00 Vascular Injuries (Andreas Gruber)

17:00 – 17:45 Interactive Case Presentation & Discussion (all Faculty)

Pediatric Neurotrauma

Sports and Neurotrauma

Vascular TBI

17:45 – 18:00 Evaluation and Wrap up of Day 1

**Friday, April 4th 2014**

**Session V: Surgical Management I**

*Introduction by the Moderator (Randy Chesnut)*

08:00 – 08:30 Surgical Management of TBI (Stephen Lewis)

08:30 – 09:00 Frontal sinus fracture management (Paul Manson)

09:00 – 09:30 Skull Base Fractures & traumatic CSF Leaks (Christian Matula)

09:30 – 10:00 Penetrating and Blast Injuries (Rocco Armonda)

*10:00 – 10:30 Break*

**Session VI: Surgical Management II**

*Introduction by the Moderator (Aurelia Peraud)*

10:30 – 11:00 Traumatic Intracerebral Bleeding (Jürgen Volker Anton)

11:00 – 11:30 Neurotrauma and Reconstruction (Francesco Biroli)

11:30 – 12:00 Interactive Case Presentation & Discussion (all Faculty)

*Traumatic ICB*

*Reconstruction after Trauma*

*12:00 – 13:00 Lunch*

***Practical Hands – On (Cadaver Lab)***

13:00 – 13:20 Introduction of the Lab and Anatomical Basics (Lena Hirtler)

13:20 – 13:30 Bifrontal Decompressive Craniectomy (Rocco Armonda)

13:30 – 14:30 Bifrontal Decompressive Craniectomy – Hands-On

14:30 – 14:40 Classical Decompressive Craniectomy (Stephen Lewis)

14:40 – 15:40 Classical Decompressive Craniectomy – Hands-On

15:40 – 16:00 Break

16:00 – 16:10 Decompressive Craniectomy Posterior Fossa (Christian Matula)

16:10 – 16:20 ICP Bold Placement (Randy Chesnut)

16:20 – 17:00 ICP Bold Placement – Hands On

**Session VII: Trails and New Horizons**

*Introduction by the Moderator (Stephen Lewis)*

17:00 – 17:30 Clinical Trails in traumatic brain injury (Andrew Maas?)

17:30 – 18:00 New Horizons in TBI (Randy Chesnut)

18:00 Wrap Up Day 2, Certificates, Closing remarks

End of Course