

Event program

AONeuro Course—Neurotrauma

At the XV Congreso Internacional de Neurocirugía

May 16–17, 2017

Toluca, Mexico



SOCIEDAD MEXICANA
DE CIRUGIA NEUROLÓGICA, A.C.



Content

- 3 Welcome
- 4 Goal of the course
- 4 Target participants
- 4 Learning objectives
- 4 Course description
- 4 Course organization
- 5 Chairpersons
- 5 Faculty
- 6 Tuesday, May 16, 2017
- 8 Wednesday, May 17, 2017
- 10 Course information and logistics
- 11 General information
- 12 Course venue
- 13 Principles of AO Educational Events
- 14 Notes
- 15 AONeuro educational activities

Welcome

On behalf of the AO Foundation and your AONeuro faculty, it is my pleasure to welcome you to this neurotrauma educational event!

Through its major focus on education, the AO Foundation brings educational excellence to over 46,000 surgeons at 750 AO events worldwide each year.

As part of the AO Foundation, AONeuro serves as a worldwide, multispecialty community of cranial neurosurgeons, neurologists, neurointensivists, and neurology-related professionals who are committed to improving neuro patient outcomes.

AONeuro's educational offering focuses on Traumatic Brain Injury, Skull Base Surgery, and Cerebrovascular Surgery.

To enhance the effectiveness of our programs, we cooperate with regional, national, and international neurosurgical organizations, as well as with our AOSpine and AOCMF colleagues. This way, we can bring you the latest developments in the treatment of brain, facial, spinal cord trauma, and congenital anomalies.

Our case-based learning approach, together with practical skill training in the laboratory, enables you to develop your skills using the newest equipment, along with the latest scientific knowledge.

After this course concludes, please visit our website, www.aoneuro.org, where you can sign-up for our newsletter, find additional educational materials, and learn about upcoming educational activities.

We thank you for your participation and wish you a successful AONeuro course experience.

Yours sincerely,



Paul N Manson

AO Board of Directors appointed Coordinator for AONeuro

Goal of the course

The AONeuro Course—Neurotrauma covers the theoretical basis and practical principles for managing neurotrauma, addressing complications, and performing state-of-the-art reconstructive surgery.

Target participants

The course has been developed for residents and surgeons who manage neurotrauma and reconstruction and who have a strong interest in these fields. It focuses on interdisciplinary care and is appropriate for neurosurgeons, CMF, ENT, trauma, and other surgeons.

Learning objectives

Upon completion of this course, participants should be able to:

- Apply current classification systems and guidelines in neurotrauma
- Manage neurotrauma and skull base fractures in adult, pediatric, and polytrauma patients
- Conduct advanced neuromonitoring
- Plan and perform appropriate operative treatment (e.g., decompressive craniotomy, complex cranial reconstruction)
- Manage cerebrospinal fluid leaks and other complications and perform dural repairs.

Course description

This course covers the current best strategies and considerations for managing neurotrauma patients. It features an international faculty of experts and is based on the competencies defined in AONeuro's new neurotrauma curriculum.

The course content is delivered using multiple educational methods. Comprehensive lectures—concentrate on the understanding of core material. Interactive case presentations further deepen this knowledge and facilitate the discussion in trauma management. Newly developed practical exercises enable participants to apply AO principles in the management of common injuries. Case-based discussions link the lecture material and practical skills with the clinical problems commonly encountered in everyday practice.

Chairpersons



Andrés M. Rubiano
Universidad del Bosque
Bogotá, Colombia



Pablo David Guerrero
Centro Medico ISSEMyM Toluca
Toluca, México



Martha L. Morales
Hospital General de Querétaro SESEQ
Querétaro, México

International Faculty

Shelly D. Timmons
Jamie Ullman

Penn State University Milton S. Hershey Medical Center
Icahn School of Medicine at Mount Sinai

USA, Hershey
USA, New York

Regional Faculty

Jorge Paranhos

Sao Joao Del Rei Hospital

Brazil, São Joao Del Rei

National Faculty

Luis Alcocer	Hospital General de Querétaro SESEQ	México, Querétaro
José A. Carmona	Hospital Juárez de México	México, México City
Alberto de Montesinos	Hospital Juárez de México	México, México City
Alberto López	Hospital Ángeles México	México, México City
Roberto Rodríguez della Vechia	Hospital Central Dr. Ignacio Morones Prieto	México, San Luis Potosí
Celedonio Martínez	Hospital General Balbuena	México, Hidalgo
Rafael Mendizabal	Hospital Juárez de México	México, México City
Julio Mijangos	Hospital Ángeles México	México, Guadalajara
Felipe Vega	Hospital Ángeles México	México, México City
Bernardo Boleaga Duran	Academia Mexicana de Cirugía	México, Mérida

Special Guests

Daniel Godoy
Fernando Goldenberg
José Nel Carreño

Hospital Alejandro Posadas
University of Chicago
Hospital Militar Central

Argentina, Buenos Aires
USA, Chicago
Colombia, Bogotá

Tuesday, May 16, 2017

TIME	AGENDA ITEM	WHO
7:30–08:00	Registration	
Module 1	Introduction	Moderator(s): A Rubiano
08:00–08:05	Welcome to the course, structure and objectives	M Morales /A Rubiano
08:05–08:15	Pre-course assessment	D Guerrero
08:15–08:30	AONeuro history and the neurotrauma curriculum	A Rubiano
Module 2	Basics of neurotrauma	Moderator(s): M Morales / J N Carreño
08:30–08:31	Introduction by the moderator(s)	
08:31–08:45	Neurotrauma Care Centers in México— an update	R Rodriguez della Vecchia
08:45–09:00	Impact of hypoxia and hypotension in patients with traumatic mass lesions	J Carmona
09:00–09:15	Volumetric resuscitation in the head injury patient damage control resuscitation in the polytrauma patient	J N Carreño/ F Vega
Module 3	Diagnostics, imaging and pathologies	Moderator(s): L Alcocer
09:15–09:16	Introduction by the moderator(s)	
09:16–09:30	Imaging in neurotrauma—beyond the head CT	B Boleaga
09:30–10:00	Interactive case presentation and discussion <ul style="list-style-type: none"> • Case I—bilateral acute mass lesions (10m) (5m discussion) • Case II —traumatic midline frontal bone fracture (10m) (5m discussion) 	R Mendizabal J Paranhos
10:00–11:00	COFFEE BREAK/OPENNING CEREMONY OF THE <i>XV CONGRESO INTERNACIONAL DE NEUROCIRUGIA</i>	
11:00–11:15	Management of traumatic ICH—an update	S Timmons
11:15–11:45	Interactive case presentation and discussion <ul style="list-style-type: none"> • Case I — Is intraparenchymal hematoma operable? (10m) (5m discussion) • Case II — Non Surgical Management of Epidural Mass (10m) (5m discussion) 	D Guerrero L Alcocer
Module 4	Multimodal monitoring in neurotrauma	Moderator(s): J N Carreño
11:45–11:46	Introduction by the moderator(s)	

TIME	AGENDA ITEM	WHO
11:46–12:00	Cost benefit of ICP monitoring—the ICU view	D Godoy
12:00–12:15	Noninvasive ICP monitoring	J Mijangos
12:15–12:30	Future trends in ICP monitoring—the neurosurgeon view	J Ullman
12:30–12:45	Questions and discussion	A Rubiano
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12:45–14:00	LUNCH	
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Module 5	Integrative treatment of neurotrauma	Moderator(s):
14:00–14:01	Introduction by the moderator(s)	D Guerrero
14:01–14:15	Steroids in neurotrauma—Are they useful?	R Rodriguez della Vechia
14:15–14:30	Lung-brain interaction in head injury	A López
14:30–14:45	Guidelines for the surgical management of TBI	S Timmons
14:45–15:00	TBI and anticoagulation	F Goldenberg
15:00–15:20	Neuroprotective drugs in TBI—Fiction or Fact?	D Godoy
15:20–16:05	Interactive case presentation and discussion	R Mendizabal
	• Case I— Epidural hematoma (10m) (5m discussion)	
	• Case II—Diffuse axonal injury (10m) (5m discussion)	J Ullman
	• Case III— Acute Subdural Hematoma (10m) (5m discussion)	L Alcocer
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16:05–16:20	COFFEE BREAK	
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16:20–16:35	Post-traumatic CNS infection	J Carmona
16:35–16:50	Intracranial gunshot injuries	A Rubiano
16:50–17:05	Hypothermia in TBI	J Paranhos
16:50–17:05	Management of Pediatric TBI	A de Montesinos
17:05–17:15	End of day 1—summary	D Guerrero

Wednesday, May 17, 2017

TIME	AGENDA ITEM	WHO
08:00–10:00	Hands on and practical exercises <ul style="list-style-type: none"> Decompressive craniectomy (30m) Video Cranial dural repair & cranial vault reconstruction (20m) ICP bolt placement & external ventricular drain (EVD) (20m) Trans-cranial Doppler (50m) 	C Martinez, A Rubiano, S Timmons, J Ullman L Alcocer, D Guerrero, R Mendizabal, R Rodriguez della Vechia J Paranhos, Carmona, M Morales, D Godoy JN Carreño, F Goldenberg, A López, J Mijangos
10:00–10:15	COFFEE BREAK	
Module 6	Managing complications in TBI	Moderator(s):
10:15–10:16	Introduction by the moderator(s)	M Morales/ J Paranhos
10:16–10:30	Early and late complications of cranial decompression	J Paranhos
10:30–11:15	Interactive case presentation and discussion <ul style="list-style-type: none"> Case I— Intraoperative complications in neurotrauma surgery (10m) (5m discussion) Case II— Head trauma in the polytrauma patient (10m) (5m discussion) Case III— Penetrating stab wound in the brain (10m) (5m discussion) 	A Rubiano M Morales/ F Vega R Rodriguez della Vechia
11:15–11:30	Posttraumatic vascular injuries	JN Carreño
11:30–11:45	Posttraumatic CSF leaks	J Ullman
11:45–12:00	Posttraumatic chronic subdural hematoma	L Alcocer
12:00–13:00	LUNCH	
Module 7	Postoperative care	Moderator(s):
13:00–13:01	Introduction by the moderator(s)	A López
13:01–13:15	When to start physical rehabilitation in the ICU?	J Carmona
13:15–13:30	Management of posttraumatic hydrocephalus in the ICU	JN Carreño
13:30–13:45	Posttraumatic empyema in the ICU—What to do?	J Paranhos

TIME	AGENDA ITEM	WHO
Module 8	Guidelines in neurotrauma: Expert Panel	
13:45–13:46	Introduction by the moderator(s)	Moderator(s): D Godoy
13:46–14:30	Interactive discussion –TBI Guidelines and recent updates <ul style="list-style-type: none"> • ICP monitoring (10m) (5m discussion) • Cranial decompression (10m) (5m discussion) • Hyperosmolar therapy (10m) (5m discussion) 	S Timmons A Rubiano J Ullman
Module 9	Clinical trials in neurotrauma	
14:30–14:31	Introduction by the moderator(s)	Moderator(s): M Morales / A Rubiano
14:31–14:51	Review of recent clinical trials in neurotrauma	D Godoy
14:51–15:11	Conducting clinical trials in neurotrauma—strengths and limitations	S Timmons
15:11–15:31	Applicability of recent critical care trials in Neurotrauma care	F Goldenberg
15:31–15:45	Course evaluation and final remarks	A Rubiano
15:45	End of the course	All

Course organization

AONeuro

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Mobile: +1 321 732 2199
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www.aoneuro.org

AO funding sources

Unrestricted educational grants from different sources are collected and pooled together centrally by the AO Foundation. All events are planned and scheduled by local and regional AO surgeon groups based on local needs assessment. We rely on industrial/commercial partners for in-kind support to run simulations/skills training if educationally needed.

Course information and logistics

AO Courses México

Nidia Mariana Galvan

Phone: +52 1 55 4905 6405

Email: ngalvan@ITS.JNJ.COM

Course organization compliance

In certain countries where AO has no office but offers educational events, the AO cooperates with third party companies to conduct local organization and logistics, as well as to communicate with participants in the local language. In these cases the AO has put rules and guidelines in place (Letter of Secondment, AO Foundation—Principles of AO Educational Events) to ensure that this cooperation has no impact on the curricula, scientific program, or faculty selection.

General information

Course fee

AONeuro Course—Neurotrauma: currency USD 285 with practicals and USD 217 without practicals. Included in the course fee is a conference bag with course material, coffee breaks, lunches and course certificate. Course registration allows participants to attend the rest of the academic activities of the *XV Congreso Internacional de Neurocirugía*.

Registration

www.aoneuro.org/xxx

Link to the course: https://aocmf2.aofoundation.org/eventdetails.aspx?id=aoneuro_mexico_2017

Evaluation guidelines

All AONeuro courses apply the same evaluation process, either ARS (audience response system) or paper and pencil questionnaires. This helps AONeuro to ensure that we continue to meet your training needs.

Intellectual property

Course materials, presentations, and case studies are the intellectual property of the course faculty. All rights are reserved. Check hazards and legal restrictions on www.aofoundation.org/legal.

→ **Recording, photographing, or copying of lectures, practical exercises, case discussions, or any course materials is strictly forbidden. Participants violating intellectual property will be dismissed.**



The AO Foundation reserves the right to film, photograph, and audio record during their events. Participants must understand that in this context they may appear in these recorded materials. The AO Foundation assumes participants agree that these recorded materials may be used for AO marketing and other purposes, and made available to the public.

Security

Security checks may be conducted at the entrance of the building. Wearing of a name tag is compulsory during lectures, practical exercises, and group discussions.

No insurance

The course organization does not take out insurance to cover any individual against accidents, theft, or other risks.

Mobile phone use

Use of mobile phones is not allowed in the lecture halls and in other rooms during educational activities. Please be considerate of others by turning off your mobile phone.

Dress code

Casual

Course venue

Auditorio del Centro Médico ISSEMYM

Av. Baja Velocidad 284 KM 57.5 San Jeronimo Chichahualco.

52170 Metepec, Mexico

Telephone: +52 722 275 6300



AO Foundation—Principles of AO Educational Events

1) Academic independence

Development of all curricula, design of scientific event programs, and selection of faculty are the sole responsibilities of volunteer surgeons from the AO network. All education is planned based on needs assessment data, designed and evaluated using concepts and evidence from the most current medical education research, and involving the expertise of the AO Education Institute (www.aofoundation.org).

Industry participation is not allowed during the entire curriculum development and planning process to ensure academic independence and to keep content free from bias.

2) Compliance to accreditation and industry codes

All planning, organization, and execution of educational activities follow existing codes for accreditation of high-quality education:

- Accreditation Criteria of the Accreditation Council for Continuing Medical Education, USA (www.accme.org)
- ACCME Standards for Commercial Support: Standards to Ensure Independence in CME Activities (www.accme.org)
- Criteria for Accreditation of Live Educational Events of the European Accreditation Council for Continuing Medical Education (www.uems.eu)

Events that receive direct or indirect unrestricted educational grants or in-kind support from industry also follow the ethical codes of the medical industry, such as:

- Eucomed Guidelines on Interactions with Healthcare Professionals (www.medtecheurope.org)
- AdvaMed Code of Ethics on Interactions with Health Care Professionals (advamed.org)
- Mecomed Guidelines on Interactions with Healthcare Professionals (www.mecomed.org)

3) Branding and advertising

No industry logos or advertising (with the exception of the AO Foundation and AO Clinical Division) are permitted in the area where educational activities take place.

Sponsors providing financial or in-kind support are allowed to have a promotional booth or run activities outside the educational area with approval from the event chairperson.

4) Use of technologies and products in simulations

If case simulations are chosen as an educational method to educate skills, we only use technology approved by the AOTK System (AOTK)—a large independent group of volunteer surgeons developing and peer-reviewing new technology (more information about AOTK, its development and approval process can be found on the AO Foundation website: www.aofoundation.org).

5) Personnel

Industry staff is not allowed to interfere with the educational content or engage in educational activities during the event.

Notes



AONeuro Educational Activities 2017

AP	AONeuro Symposium—Neurotrauma	Mar 11–12	Tokyo, Japan
NA	AONeuro Course—Neurotrauma	Mar 25–26	San Francisco, USA
LA	AONeuro Course—Neurotrauma	Mar 31–Apr 1	Mexico City, Mexico
EU	AONeuro Course—Skull Base	Apr 6–7	Arezzo, Italy
AP	AONeuro Seminar—Neurotrauma	Apr 20	Xian, China
EU	AONeuro Course—Neurotrauma	May 12–13	Porto, Portugal
EU	AONeuro Course—Neurotrauma	May 17–18	Moscow, Russia
LA	AONeuro Course—Neurotrauma	Jun 2–3	Belo Horizonte, Brazil
AP	AONeuro Seminar—Traumatic Brain Injury	Jun 10	Suwon, Korea
EU	AONeuro Course—Neurotrauma	Jul 13–14	Murnau, Germany
NA	AONeuro Course— Advances and Controversies in Neurotrauma and Neurocritical Care	Aug 5–6	Hershey, USA
EU	AONeuro Course—Skull Base	Oct	Vienna, Austria
AP	AONeuro Course— Neurotrauma-Traumatic Brain Injury and Autoregulation Monitoring	Oct	Hong Kong, Hong Kong
AP	AONeuro Course—Neurotrauma	Oct 26–27	New Delhi, India
EU	AONeuro Course—Neurotrauma	Nov 16–17	Madrid, Spain
<i>Global</i>	AONeuro Webinar—TBD	Dec 11	Davos, Switzerland
<i>Global</i>	AONeuro Course—Neurotrauma	Dec 12–14	Davos, Switzerland

AP Asia Pacific **EU** Europe **ME** Middle East **LA** Latin America **NA** North America

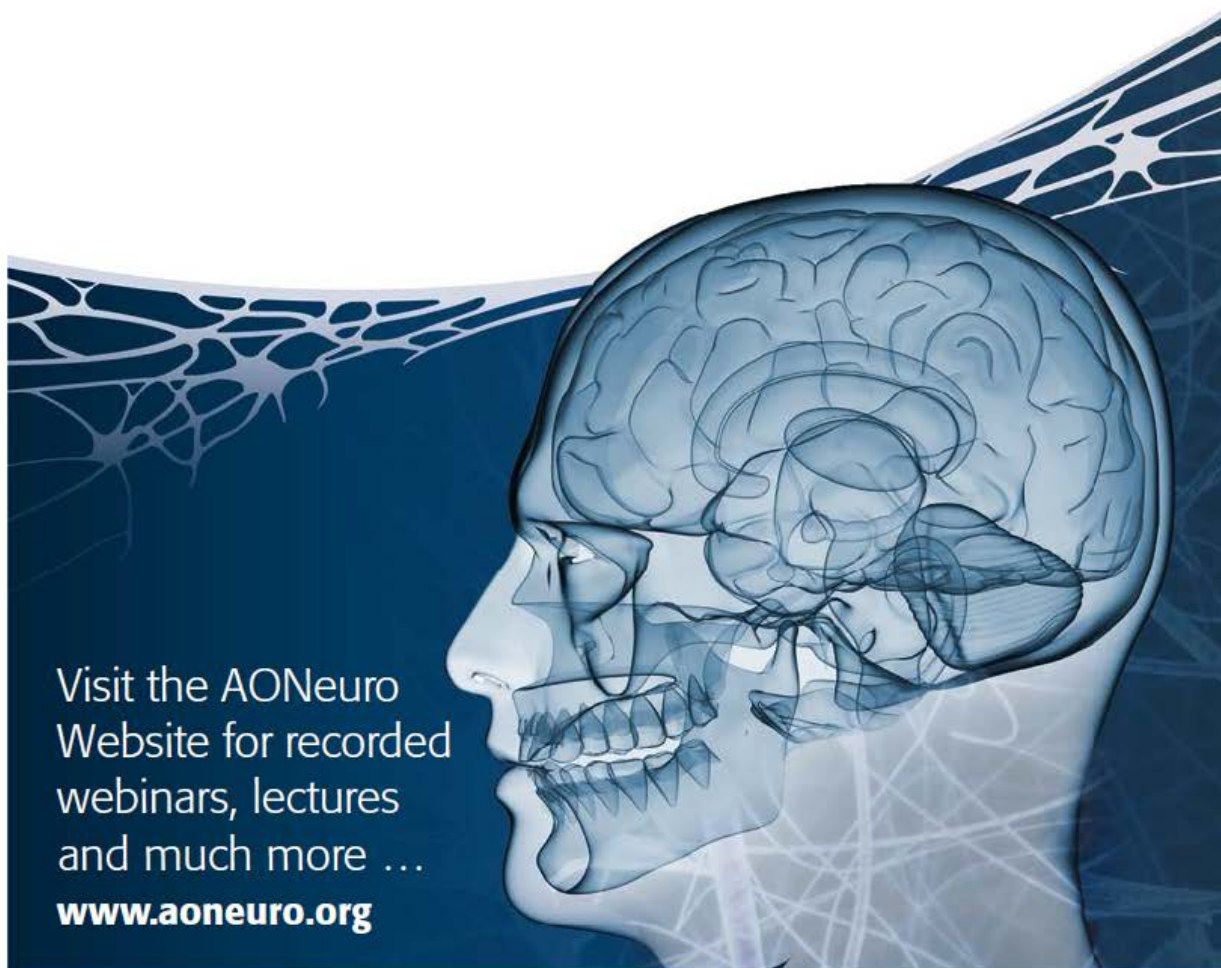


Event Dates are subject to change,
please check the AONeuro website
for latest information
<http://tiny.cc/e7189x>

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