

WORKSHOP



FONDAZIONE
INTERNAZIONALE
MENARINI

NEUROTRAUMA COURSE: FOCUS ON PEDIATRIC TBI

University of Medicine
Brescia, January 30th, 2020

With the support of



Global Neuro

Course Description

This course covers the current best strategies and considerations for managing neurotrauma patients.

The content is delivered using multiple methods. Comprehensive lectures concentrate on the understanding of core material. Interactive case presentations further deepen this knowledge and enrich the discussion in trauma management. Practical sessions teach the application of principles to the management of common injuries. Case-based discussions link the lecture material and practical skills with the clinical problems encountered in clinical practice.

The course has been developed for residents, intensivists, surgeons, and physicians who manage cranial neurotrauma.

Goal of the course

The course covers the theoretical basis and practical principles that are the foundation for managing cranial neurotrauma.

Course objectives

By completing the course, participants will be better able to:

- Perform an appropriate assessment of neurotrauma patients with application of relevant guidelines
- Choose the appropriate imaging modalities and interpret the results
- Perform ICP monitoring and interpretation to guide treatment interventions
- Manage cranial neurotrauma in adult, pediatric, and polytrauma patients
- Plan and perform the following operative techniques: burr hole, ICP monitor and EVD placement, decompressive craniotomy, dural enlargement, and basic cranioplasty
- Manage common complications, such as bleeding, expanding intracranial hematomas, swelling, infection, and hydrocephalus

Faculty

Course Directors

Fontanella Marco	ASST Spedali Civili University Hospital	Brescia, Italy
Iacoangeli Maurizio	Università Politecnica delle Marche	Ancona, Italy

Faculty

Bergomi Riccardo	ASST Spedali Civili University Hospital	Brescia, Italy
Bernucci Claudio	ASST Ospedale Papa Giovanni XXIII	Bergamo, Italy
Biroli Antonio	ASST Spedali Civili University Hospital	Brescia, Italy
Cenzato Marco	Niguarda Hospital	Milan, Italy
Figaji Anthony	University of Cape Town	Cape Town, South Africa
Matula Christian	Medical University of Vienna	Vienna, Austria
Servadei Franco	Humanitas University	Rozzano, MI, Italy
Kochanek Patrick M.	University of Pittsburgh School of Medicine	Pittsburgh, PA, USA
Giannini Alberto Michele	ASST Spedali Civili University Hospital	Brescia, Italy
Giussani Carlo Giorgio	San Gerardo Hospital	Monza, MI, Italy
Martorana Fabio	ASST Ospedale Papa Giovanni XXIII	Bergamo, Italy
Pinelli Lorenzo	ASST Spedali Civili University Hospital	Brescia, Italy
Piva Simone	ASST Spedali Civili University Hospital	Brescia, Italy

Thursday, January 30th, 2020 - Brescia, Italy

TIME	AGENDA ITEM	FACULTY
	Welcome	F. Biroli, L. Lorini
	Introduction and course objectives	M. Fontanella, M. Iacoangeli
Module 1 08.30 - 09.30	Basic of neurotrauma	Moderator: C.G. Giussani
	The global burden of traumatic brain injury	C. Matula
	Pediatric TBI: pathophysiology, epidemiology	A. Figaji
	First aid and patient assessment	F. Martorana
Module 2 09.30 - 10.30	Diagnostic and monitoring	Moderator: M. Cenzato
	Principles of diagnostic in pediatric TBI	L. Pinelli
	Monitoring: general	S. Piva
	Precision medicine in TBI	A. Figaji
10.30 - 10.45	PAUSE	
Module 3 10.45 - 12.00	Treatment (intensive, surgical)	Moderator: M. Cenzato
	Intensive treatment following new guidelines	P. Kochanek
	Operative treatment	M. Fontanella
	Controversies about decompressive craniectomy	F. Servadei
	Cranioplasty complications	C. Bernucci
12.00 - 13.00	LUNCH	
13.00 - 14.00	CASE DISCUSSION IN SMALL GROUP PRESENTED BY FACULTY	A. Biroli, C.G. Giussani, M. Iacoangeli
Module 4 14.00 - 15.30	Hot topics	Moderator: C.G. Giussani
	Hydrocephalus' CSF circulation disturbances	M. Iacoangeli
	Cervical spine trauma and pediatric TBI	R. Bergomi
	The open pediatric ICU	M.A. Giannini
	Outcomes in pediatric TBI	A. Biroli
	Biomarkers in pediatric TBI as outcome predictors	P. Kochanek
	Educational programs: present and future	C. Matula

TIME	AGENDA ITEM	FACULTY
15.30 - 16.30	CASE DISCUSSION IN SMALL GROUP PRESENTED BY PARTICIPANTS	A. Biroli, C.G. Giussani, M. Iacoangeli
16.30 - 18.00	PRACTICAL EXERCISES - Decompressive craniectomy on plastic model - Multimodal monitoring and EVD placement - Optic Nerve Sheath Ultrasound	All faculty
18.00 - 18.30	EVALUATION AND CLOSING OF THE COURSE	M. Fontanella, M. Iacoangeli

General Information

Venue

University of Medicine - Viale Europa 11 - Brescia, Italy

Secretariat Opening Hours

From 7:30 a.m. to 6:30 p.m.

Official Language

The official language of the course will be English, no simultaneous translation will be provided

Slide Centre Opening Hours

From 7:30 a.m. to 6:30 p.m.

Lunch and Coffee Break

Lunch and coffee break will be served in the course area, free of charge

Practical exercise organisation

Global Neuro Foundation

Activity organizer: Ximena Rodriguez

Phone: +1 321-732-2199

Email: Ximena.rodriguez@globalneuro.org

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NOTES



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