



AO CMF— Introductory Seminar

June 30–July 1, 2023

Ranchi, India

Goal of the Seminar

The AO Craniomaxillofacial introductory seminar will teach the theoretical basis of operative treatment of craniomaxillofacial fractures and their complications, with a brief outline of the state-of-the-art craniomaxillofacial osteosynthesis in traumatology.

Target Participants

All those who deal with musculoskeletal head and neck disorders concerning trauma of the craniofacial skeleton

Learning Objectives

Upon completion of this seminar. Participant should:

- Be familiar with the history and structure of the AO
- Understand the biology of bone healing and its role in fracture treatment
- Understand the importance of occlusion and management of dentoalveolar trauma
- Be familiar with the biomechanics of the mandible and maxilla
- Understand the concepts of relative and absolute stability and the difference between load-sharing/ and load-bearing fixation
- Be familiar with surgical approaches and methods of treating fractures of the facial skeleton
- Understand the diagnosis and management of complications of facial fractures

Venue

Academic Building, RIMS, Bariatu, Ranchi, Jharkhand 834009

Participant Contact

AO Education Event AP
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National Chairperson



Vivek Vardhan Reddy
SVS Institute of Dental Sciences,
Mahabubnagar, India

Local Chairperson



Om Prakash
Dental College, RIMS, Bariatu,
Ranchi, India



Ajoy Kumar Shahi
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VK Prajapati
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Registration Fee

USD 30



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FRIDAY, 30TH JUNE, 2023

TIME	TOPIC	FACULTY
08:30–09:00	Registration	
09:00-09:10	Welcome address, Introduction of the faculty	Vivek Vardhan Reddy
09:10 - 09:40	Course objectives, History and structure of AO and AO CMF group	Vivek Vardhan Reddy
MODULE 1	GENERAL PRINCIPLES & MANDIBLE FRACTURES	MODERATOR: Chitranjan Prasad
09:40–10:05	Bone biology and healing with special reference to implant interfaces	Om Prakash
10:05–10:35	AO implants and instrumentations	Vivek Vardhan Reddy
10:35–11:05	Biomechanics of the mandible, mandibular fracture patterns, classification	Virendra Kumar Prajapati
11:05–11:35	EVALUATION AND COFFEE BREAK	
11:35–12:00	Surgical approaches to the mandible	Shivendra Chaudhary
12:00–12:30	Osteosynthesis technique in the mandible, principles and definitions - Lag screws/Position screws - Load bearing osteosynthesis - Load sharing osteosynthesis	Vivek Vardhan Reddy
12:30–13:00	Treatment of symphyseal and parasymphyseal fractures	Anjani Jha
13:00–14:00	EVALUATION AND LUNCH BREAK	
MODULE 2	MANDIBLE FRACTURES CONTD	MODERATOR : Virendra Kumar Prajapati
14:00–14:25	Treatment of angle and lateral body fracture of the mandible	Virendra Kumar Prajapati
14:25–14:55	Treatment of condylar fractures	Om Prakash
14:55–15:20	Osteosynthesis in bone with reduced quality & quantity - Atrophic mandibles - Comminuted and defect fracture - Infected fracture sites	Ritesh Raj
15:20–15:40	EVALUATION & COFFEE BREAK	
15:40–17:00	Case discussion: Mandible fractures	Vivek Vardhan Reddy
17:00	End of day 1	

SATURDAY, 1st JULY, 2023

TIME	TOPIC	FACULTY
MODULE 3	MIDFACE FRACTURES	MODERATOR : Amit Ray
09:00–09:20	Bio-mechanics of the mid face, midface fracture patterns, classification, diagnosis and imaging Midface fractures	Ajoy Kumar Shahi
09:20–09:40	Surgical approaches to the midface	Richa Angik
09:40 -10:00	Treatment of isolated central and centro-lateral (Lefort type) fractures, buttress stabilization	Ajoy Kumar Shahi
10:00-10:20	ZMC Fractures Limited vs Extended approaches	Anuj Kumar
10:20-10:45	Treatment of naso-orbito-ethmoidal and orbital wall fractures	Amit Ray
10:45-11:05	EVALUATION AND COFFEE BREAK	
MODULE 4	MIDFACE FRACTURES Contd	MODERATOR : Anjani Ray
11:05-11:25	Complex midfacial and panfacial fractures	Amit Ray
11:25-11:50	Management of facial injuries in growing skeleton	Priyankar Singh
11:50-12:20	Role of CAD-CAM in CranioMaxillofacial Surgery	Tapas Bala
12:20-13:20	Case Discussion on Fractures of midfacial skeleton and panfacial trauma	Vivek Vardhan Reddy
13:20	Evaluation & Distribution of certificates	
13:30	End of seminar followed by lunch	