

AO CMF Course—
Orthognathic Management of Facial Deformities

June 27–28, 2025

Prague, Czech Republic

Course description

This course provides a standard introduction to the principles and core concepts in orthognathic surgery for dental and skeletal deformity, that can be applied in the local healthcare system based on patient needs and expectations and a multidisciplinary approach. It covers the decision making, planning, and core treatment processes as well as complication avoidance.

Format includes hands-on exercises, skills labs, interactive lectures, group discussions, and pre-course activities.

Learning objectives

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

- Perform adequate facial analysis (airway, function, soft tissue, standard photography) of patients with functional and aesthetic concerns
- Correctly diagnose based on all the information
- Make treatment decisions based on patient needs and expectations considering pretreatment assessment (discuss and communicate with orthodontics and the patient)
- Plan for the procedure and treatment and consider predictability and long-term stable results based on the current evidence-based guidelines
- Describe the treatment procedures available with pros and cons respecting the range of hard and soft tissues
- Recognize and address potential complications and explain to the patient
- Document and analyze your results (quality control)

Target participants

Surgeons who are developing their practice in the field of orthognathic surgery (residents and qualified surgeons) and orthodontists

Program highlights

Day 1: Foundations of Orthognathic Surgery

- The evolution of orthognathic surgery
- Understanding the ideal face and occlusion
- Facial analysis: techniques and standards
- Comprehensive diagnosis in orthognathic cases
- Small group discussions: treatment options and decision-making
- Managing complications in orthognathic surgery
- **Hands-on skills lab: defining occlusion and facial profiling**
- **Practical exercise 1: maxillary osteotomy techniques**

Day 2: Advanced Techniques and Clinical Decision-Making

- Small group discussions: advanced treatment options
- Panel discussion: mandible vs. maxilla first
- Outcomes assessment and postoperative evaluation
- **Practical exercise 2: mandibular osteotomy skills**

Chairpersons



Adam Stebe
Banská Bystrica, Slovakia



Majeed Rana
Düsseldorf, Germany

Faculty

- **René Foltán - Czech Republic**
- **Philippe Korn - Germany**
- **Raphael Mohammhad - Czech Republic**
- **Petr Michl - Czech Republic**
- **Rastislav Slavik - Slovakia**
- **Paul Wolfgang Poeschl - Austria**

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