

**3 DAYS KEYNOTE WITH PROF. SADAO SATO****“CRANIOMANDIBULAR  
ORTHODONTICS”**

The goal of this keynote is to provide fundamental knowledge for successful orthodontic treatment of different types of malocclusions without premolar extraction and surgical intervention. Changes in facial vertical dimension and posterior occlusal plane during growth, and the corresponding adaptation of the mandible result in different types of malocclusions. Knowledge about the development of malocclusion during craniofacial growth inform the clinician on orthodontic treatment, thereby overcoming the understanding of orthodontics as means for mere alignment of teeth.

**TOPICS**

- **GENERAL CONSIDERATION OF MALOCCLUSION**

illustration of the developmental mechanisms of malocclusion and the most effective therapeutic approaches.

- **OPEN BITE, SKELETAL CLASS II AND CLASS III MALOCCLUSIONS**

explanation of the two possible types of open bite, and the high and low angle Class II and Class III subgroups, highlighting their different presentation and etiology and discussing the most effective treatment approaches.

- **MANDIBULAR LATERAL DISPLACEMENT (MLD)**

how to correct the existing asymmetry that are known to compromise the TMJ function at the deviated side.

- **ORTHODONTIC TREATMENT OF MALOCCLUSIONS WITH TMD**

concepts for diagnosis and therapeutic mandibular repositioning will be discussed.

