

CRANIOFACIAL ANOMALIES AND CLEFT LIP AND PALATE:
CLINICAL PRINCIPLES AND ORTHODONTIC MANAGEMENT



PRESENTATION

All scientific sessions will be run in **LIVE VIRTUAL sessions**; the recording of each session will be available **on-demand**.

The Course will be divided in four main topics/module:

- Cleft Lip and Palate from birth to adulthood
- I and II branchial Arch Syndromes (Craniofacial Microsomia or Hemifacial Microsomia, Treacher-Collins Syndromes, Nager Syndromes)
- Craniofacial Synostoses (Crouzon, Apert, Pfeiffer Syndromes)
- Rare Craniofacial Anomalies (Beckwith Wiedemann Syndrome, Achondroplasia, Cleido-Cranial Dysplasia, Pierre Robin Sequence)

Each topic will guide the attendees through the biology and pathogenesis of each malformation, their pathological growth processes and consequently, diagnosis and treatment planning.

OBJECTIVE

Craniofacial anomalies present some of the most challenging skeletal and dental problems (severe maxillary hypoplasia, severe asymmetry, severe open bite, severe mandibular hypoplasia), which orthodontists must learn to treat with a multidisciplinary approach.

This course has the objective to guide the clinician on what needs to be done, but especially on what should not be done.

OFFICIAL LANGUAGE

English

ACCREDITATIONS

The course will be online from November 2022 to September 2023.

Lecture hours will be provided on weekends with interactive discussion. Lectures will be available online for attendees. CME credits will be provided

A CERTIFICATE OF PARTICIPATION IN
CRANIOFACIAL ORTHODONTICS: BASIC PRINCIPLES
by the European Cleft Palate Craniofacial Association
will be provided to participants to the Full Course

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REGISTRATION

On-line registration will be available from February 10, 2022

REGISTRATION FEES

(22% vat included)

	EARLY BIRD	REGULAR
	From February 10 to July 31, 2022	From August 01, 2022
Full Course	€ 640	€ 800
Full Course Low-income countries	€ 400	€ 500
Full Course Middle-low income	€ 500	€ 620
countries (included Turkey and		
Lebanon)		
Full Course - Student & Resident	€ 415	€ 520
Full Course - Student & Resident	€ 200	€ 250
Low-income countries		
Full Course - Student & Resident	€ 300	€ 375
Middle-low income countries		
Module 1	€ 480	€ 600
Module 1 – Student & Resident	€ 310	€ 390
Module 2	€ 480	€ 600
Module 2 – Student & Resident	€ 310	€ 390
Module 3 & 4	€ 160	€ 200
Module 3 & 4 – Student & Resident	€ 100	€ 130

List of Countries: https://datatopics.worldbank.org/world-development-indicators/the-world-by-income-and-region.html

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INVITED SPEAKERS

Module 1

Carlo Aletti (Italy), Luca Autelitano (Italy), Valeria Battista (Italy), Puneet Batra (India), Susanna Botticelli (Denmark), Agnes Bloch (France), Bert Braumann (Germany), Fabio Carta (Italy), Philip Chen (Taiwan), David Chong (Australia), Noah Cohen (Italy), Liliana Colletti (Italy), Federica Corradi (Italy), Elcin Esenlik (Turkey), Alvaro Figueroa (USA), Roberto Flores (USA), Daniela Garib (Brazil), Barry Grayson (USA), Bruno Grollemund (France), Piet Haers (UK), Arja Heliovaara (Finland), Georges Herzog (Switzerland), Cristina Incorvati (Italy), Agneta Karsten, (Sweden), OP Kharbanda (India), Reha Kiscnisci (Turkey), Annelise Küseler (Denmark), Mette Kuijpers (Holland), Anne Marie Kuijpers-Jagtman (Holland), Mariano Lanna (Italy), Eric Liou (Taiwan), Hans Mark (Sweden), Maria Costanza Meazzini (Italy), Peter Mossey (UK), Luca Pavesi (Italy), Antonia Pisani (Italy), Gosla Reddy (India), Angela Rezzonico (Italy), Sara Ritzell (Sweden), Michele Rubini (Italy), Pedro Santiago (USA), Pradip Sheyte (USA), Jean Claude Talmant (France), Chiara Tortora (Italy).

Module 2

Luca Autelitano (Italy), Valeria Battista (Italy), Corstiaan Breugem (Holland), Camila Caro (Canada), Noah Cohen (Italy), Giovanni Gerbino (Italy), Fabio Mazzoleni (Italy), Maria Costanza Meazzini (Italy), Donatella Milani (Italy), Nasser Nadjmi (Belgium), Giorgio Novelli (Italy), Edwin Ongkosuwito (Holland), Martin Persson (Sweden), Arnaud Picard (France), Giulia Rossetti (Italy).

Module 3

David Dunaway (UK), Carlo Giussani (Italy), Silvia Maitz (Italy), Fabio Mazzoleni (Italy), Maria Costanza Meazzini (Italy), Mattia Moretti (Italy), Keiji Moriyama (Japan).

Module 4

Luca Autelitano (Italy), Martyn Cobourne (UK), Mario Ferrari (Italy), Carlo Giussani (Italy), Bernd Koos (Germany), Fabio Mazzoleni (Italy), Maria Costanza Meazzini (Italy), Alessandro Mussa (Italy), Giorgio Novelli (Italy), Edwin Ongkosuwito (Holland), Angela Peron (Italy), Siegmar Reinert (Germany), Angela Rezzonico (Italy), Angelo Selicorni (Italy), Angelika Stellzig (Germany), Chiara Tortora (Italy).

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PRELIMINARY PROGRAM

MODULE 1 - DAY 1 - November 26, 2022

Chair: Chris Laspos (Cyprus)

ORTHODONTICS IN CLEFT LIP AND PALATE FROM BIRTH TO ADULTHOOD INTRODUCTION

Genetics and epidemiology, embryology, and development of CLP *Michele Rubini* – **Italy** – 15'

Prenatal diagnosis

Mariano Lanna – Italy - 10'

INFANT ORTHOPEDICS

Latham appliance and other types of Infant orthopedics Elcin Esenlik - **Turkey** – 10'

NAM: UCLP long term results in terms of growth and aesthetics Barry Grayson - **USA** – 10'

NAM BCLP: Smile House long term results in terms of growth and aesthetics *Maria Costanza Meazzini* – **Italy** – 10'

DISCUSSION - 15'

PRIMARY SURGERY IN CLEFT LIP AND PALATE

Unilateral Cleft Lip and Palate *Philip Chen* - **Taiwan** – 10'

Bilateral Cleft Lip and Palate David Chong - Australia – 10'

The Milano protocol Luca Autelitano – Italy – 10'

SPEECH & ORTHODONTICS

The role of speech pathology in early infancy and childhood, coordination with the orthodontist, when?

Angela Rezzonico – Italy – 15'

UNDERSTANDING GROWTH IN CLP

Monitoring Facial Growth and Results: Data Collection, Eurocleft and WHO Peter Mossey – **UK** – 15'

Hard and Soft tissue craniofacial development of Complex craniofacial Clefts Gosla Reddy – India – 15'

Craniofacial growth in CLP and effects of surgery: what do we really know? Annelise Küseler - **Denmark** – 15'

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MODULE 1 - DAY 2 - January 28, 2023

Chair: Piotr Fudalej (Switzerland)

ALVEOLAR SURGERY IN CLP: DIFFERENCES IN DIFFERENT PROTOCOLS

Secondary Alveolar Bone grafting, Ossification and growth Hans Mark, Sara Ritzell – **Sweden** – 25'

Early bone grafting, indications and results Jean Claude Talmant - France – 25'

Primary Periosteoplasty, indications timing and limits *Roberto Flores* - **USA** – 15'

Early Secondary GAP, Ossification and growth Luca Autelitano, Maria Costanza Meazzini – Italy – 25'

DISCUSSION - 15'

ORTHODONTICS IN THE DECIDUOUS/MIXED DENTITION: DOING ONLY WHAT IS NEEDED!

Transversal skeletal discrepancy in the cleft maxilla: Choice and effective handling of Maxillary Expansion appliances

OP Kharbanda - India – 10'

Geometry of Expansion, Symmetrical and Asymmetrical expansion Maria Costanza Meazzini – Italy – 10'

Early Expansion, Quad Helix Expander, for early bone grafting Bruno Grollemund - France – 10'

Preparation for secondary bone grafting Pradip Sheyte - **USA** – 15'

Expansion pre- secondary bone grafting: when and when not? Randomized studies *Puneet Batra* - **India** – 15'

Class III treatment in the early mixed dentition: When not? When and how? Maria Costanza Meazzini – Italy – 10'

DISCUSSION - 15'

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MODULE 1 - DAY 3 - February 25, 2023

Chair: Akhter Husain (India)

ORTHODONTICS IN THE PERMANENT DENTITION

Non-surgical Treatment of Sagittal Maxillary Hypoplasia and class III in CLP patients:

- New approaches to class III treatment and mandibular growth control with TADs
 Eric Liou Taiwan 20'
- Long term results after Treatment with De Clerk bone anchors Daniela Garib - Brazil – 15'
- Long term results with a modified Alt-Ramec technique with TADs Maria Costanza Meazzini – Italy – 15'

Management of dental impaction in Clefts, the importance of 3D diagnosis *Cristina Incorvati* - **Italy** – 10'

DISCUSSION - 15'

Management of missing lateral incisors: when should we close the space, when should we keep it?

Bert Braumann - Germany - 15'

Management of missing lateral incisors: Biomechanical considerations Susanna Botticelli - **Denmark** – 15'

Camouflage compensatory orthodontic treatment: indications, management, limits Agneta Karsten - **Sweden** – 20'

Aligner therapy in cleft lip and palate orthodontics: advantages and disadvantages Maria Costanza Meazzini, Chiara Tortora - Italy – 10'

The coordination between orthodontics and Prosthodontics and Aesthetic Dentistry in CLP

Carlo Aletti, Luca Pavesi – Italy – 15'

DISCUSSION - 15'

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MODULE 1 - DAY 4 - March 25, 2023

Chair: Marwa El-Kassaby (Egypt)

ORTHOGNATHIC SURGERY IN CLP: WHAT ARE THE DIFFERENCES IN CLP PATIENTS?

Distraction Osteogenesis in CLP patients. When, how and long term results *Alvaro Figueroa* - **USA** – 15'

Orthognathic Surgery in CLP patients: Which parameters are decisive: the orthodontist point of view Georges Herzog - Switzerland – 10'

Orthognathic surgery in CLP Reha Kisnisci - Turkey – 10'

Orthognathic surgery in CLP: management of the lesser segment *Luca Autelitano - Italy*— 10'

Orthognathic surgery in CLP: how to avoid velopharyngeal incompetence *Piet Haers* - **UK** – 10'

Orthodontic-surgical coordination in early and late cleft orthognatic surgery. Long term follow-up

Arja Heliovaara - Finland - 15'

Aligner Therapy in cleft orthognathic surgery *Noah Cohen* - Italy—10'

DISCUSSION - 15'

ORTHODONTICS IN SPECIAL CASES: EXCEPTIONS TO THE RULE

Premaxillary intrusion in BCLP Maria Costanza Meazzini – Italy – 15'

Pre grafting fistula closure in BCLP and UCLP Cristina Incorvati – Italy – 10'

Orthodontics in OSAS or ENT problems Maria Costanza Meazzini – Italy – 10'

Handling severe hypodontia during growth: new trends Agnes Bloch - France – 20'

DISCUSSION - 15'

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MODULE 1 - DAY 5 - April 29, 2023

Chair: Aurelie Margeraux (France)

Scientific Evidence in CLP treatment: what do we truly know? *Anne Marie Kuijpers-Jagtman* - **Holland** – 25'

IMPORTANT CLINICAL QUESTIONS, WHICH UNFORTUNATELY HAVE NO EVIDENCE...

When is grafted bone enough for orthodontic tooth movement? Is there a way to be sure in patients with less than 100% ossification?

Mette Kuijpers - Holland – 10'

Laterally displaced premaxilla and central incisor covering the cleft area: What does the surgeon need before BG? How to coordinate orthodontics and surgery? Valeria Battista - Italy – 10'

Maxillary Sutural maturation in CLP: is it any different? Federica Corradi - Italy – 10'

When may orthodontic treatment improve hearing? In which patients? The point of view of the ENT surgeon

Liliana Colletti, Antonia Pisani - Italy - 10'

When is orthodontic treatment useful for speech and articulation? Angela Rezzonico - Italy – 10'

DISCUSSION - 15'

USEFUL TECHNICAL-PRACTICAL SUGGESTIONS
Safe and easy impressions in neonates and Aligners for alveolar molding
Puneet Batra - India – 15'

How to construct a Grayson-Santiago NAM device, tricks, and traps Pedro Santiago - USA – 15'

How to construct a NAM Milano-modified appliance or a Nasal Hook, tricks and traps Noah Cohen - Italy – 15'

How to construct a Horizontal expander for closure of large soft tissue gaps pre-BG *Cristina Incorvati* - Italy – 15'

How to construct a Double Hinge Palatal expander for the Alt-Ramec Technique *Fabio Carta, Maria Costanza Meazzini* - Italy – 10'

DISCUSSION - 15'

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MODULE 2 - DAY 6 - May 27, 2023

Chair: Birte Melsen (Denmark)

FIRST AND SECOND BRANCHIAL ARCH SYNDROMES: Craniofacial Microsomia, Treacher-Collins Syndromes, Nager Syndrome and Other Syndromes

Genetics and Embryology and clinical features of I and II Branchial Arch syndromes Donatella Milani - Italy – 15'

Craniofacial growth in I and II branchial arch syndromes: growth in hemifacial (craniofacial) macrosomia, what is true, what is not. Edwin Ongkosuwito - Holland – 20'

Occlusal plane in CFM type 1, 2 and 3 and long term follow up in Type 3 after early Costochondral grafting Valeria Battista - Italy – 15'

Distraction Osteogenesis: rationale, timing, indication and long- term results Arnaud Picard – France - 20'

DISCUSSION - 15'

Orthodontic Treatment during early childhood in CFM: If and when? Pseudo HFM: long term results and differential diagnosis

Maria Costanza Meazzini - Italy – 20'

Early surgery for breathing disorders: Treacher-Collins and Nager Syndrome and other mandibular hypoplasia Syndromes. Long term results Fabio Mazzoleni - Italy – 15'

Transverse DO of the mandible in severe syndromic and non- syndromic mandibular hypoplasia

Nasser Nadjmi - Belgium – 15'

DISCUSSION - 15'

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MODULE 2 - DAY 7 - June 24, 2023

Chair: Catherine Tomat (France)

Orthodontic Treatment in the mixed and permanent dentition: what to do and what not to do

Noah Cohen - Italy - 15'

Orthognathic surgery in CFM: classical approach Luca Autelitano - Italy – 15'

Orthognathic surgery in CFM in combination with distraction osteogenesis *Fabio Mazzoleni* - **Italy** – 15'

Orthognathic surgery in CFM: what is the orthodontist's role? *Camila Caro* - **Canada** – 10'

3D VSP (Virtual Surgical Planning) Giorgio Novelli - Italy – 15'

DISCUSSION - 15'

Prosthetic replacement in severe hemifacial microsomia: when is it indicated? *Giovanni Gerbino* - **Italy** – 15'

Ear reconstruction in CFM. What should the orthodontist know? Corstiaan Breugem - Holland – 15'

Soft tissue management in CFM and in hemifacial atrophy: how much can we improve and how stable is it?

Giulia Rossetti - Italy - 15'

Psychological considerations in CFA: what is body image? How do people with visible difference be stigmatized? The psychosocial consequences. what should clinicians say or not say in relation to psychosocial aspects when engaging with the patient *Martin Persson* - **Sweden** – 20'

DISCUSSION - 15'

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MODULE 3 - DAY 8 - July 22, 2023

Chair: Cristina Grippaudo (Italy)

ORTHODONTICS IN CRANIOFACIAL SYNOSTOSES

Genetics and clinical features of Crouzon, Apert and Pfeiffer syndromes Silvia Maitz - **Italy** – 15'

Craniofacial growth in craniofacial synostosis: what must an orthodontist absolutely know

Maria Costanza Meazzini - Italy - 20'

Cranial surgery
Carlo Giussani, Fabio Mazzoleni - **Italy** – 15'

Monobloc versus Cranioplasty and Le Fort III osteotomy: considerations David Dunaway - **UK** – 15'

DISCUSSION - 15'

Le Fort III osteotomy, distraction and traditional: results and long term follow up Fabio Mazzoleni, Mattia Moretti - - Italy – 25'

Orthodontics in craniofacial-synostoses: lessons to be learned Keiji Moriyama - **Japan** – 20'

Orthodontics in craniofacial-synostoses: what not to do...and why Maria Costanza Meazzini - **Italy** – 20'

Orthognathic surgery in craniofacial synostosis: planning and long- term results Fabio Mazzoleni, Giorgio Novelli - - **Italy** – 25'

DISCUSSION - 15'

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MODULE 4 - DAY 9 - September 23, 2023

Chair: Patrizia De Fabianis (Italy)

RARE CRANIOFACIAL SYNDROMES BECKWITH WIEDEMANN SYNDROME

Genetics and clinical problems Alessandro Mussa – **Italy** – 10'

Speech Therapy and diagnosis in BWS: Orthodontic implications Angela Rezzonico - **Italy**– 15'

Orthodontics in BWS: why is it important to know the biology leading to the pathological growth
Chiara Tortora - Italy- 15'

Surgery in BWS: Glossectomy when and how? Mario Ferrari - **Italy**– 10'

ACHONDROPLASIA

Genetics and clinical problems Angelo Selicorni – **Italy** – 10'

Neurosurgical problems Carlo Giussani - **Italy** – 10'

Orthodontic treatment in achondroplasia Martyn Cobourne - **UK** – 15'

Functional indications for orthopaedic treatment, long term follow-up Maria Costanza Meazzini – **Italy** – 10'

Surgery: Distraction, SARPE and Orthognathic Surgery: when and why? Fabio Mazzoleni – Italy – 10'

CLEIDOCRANIAL DISPLASIA

Genetics and clinical problems Angela Peron – **Italy** – 10'

Orthodontics in CCD: complex orthodontics Edwin Ongkosuvito - **Holland** – 15'

Orthognathic Surgery in CCD Luca Autelitano/, Fabio Mazzoleni, Giorgio Novelli – Italy - 10'

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PIERRE ROBIN SEQUENCE

Diagnosis: what is a "true PRS"? Implications for treatment. Bernd Koos - Germany - 10'

Role of the orthodontist in the management of the Tuebingen Baton Plate Angelika Stellzig - Germany - 10'

Late results of palate repair, speech and cognitive development following baton plate treatment

Siegmar Reinert - Germany - 15'

DISCUSSION - 15'

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