osteocom
The dental learning platform

CONGENITALLY MISSING LATERAL INCISORS

MARCO ROSA PATRIZIA LUCCHI RENATO COCCONI STEFANO GRACIS NIKO PERAKIS



Congenitally missing lateral incisors

Achieving predictable aesthetics:
Orthodontic, Restorative, Prosthetic, the interdisciplinary approach for the proper treatment plan.

The incidence of congenitally missing lateral incisors is approximately 2% in a Caucasian population. This form of hypodontia can be bilateral or unilateral; such a condition can occur with a contralateral small or peg shape lateral incisor adding complexity to the restorative options.

Topics:
- Space Opening Vs. Space Closure in the growing patient.
- Space Closure. when, why and how.
- Space Opening: when, why, how.
- Palatal TADs as a support of the orthodontic biomechanics.
- Orthodontic finishing to Maximize Minimal Invasive Preparation.

Aesthetics with bonded restorations: from smile design to clinical realization
In the last decade, modern dentistry has undergone many revolutionary changes. Clinicians and dental technicians are faced with difficult choices as the number of treatment modalities and materials continue to grow. Patients of all ages, with increasing aesthetic requirements, express the desire to be able to decide the final treatment outcome by choosing from different options without damaging their own teeth. A new “visual perception” concept will be introduced to place next to the classic “smile design” to create the appearance of a harmonious smile in a daily practice.

This course aims to explore the vast range of aesthetic rehabilitations and to evaluate available materials and techniques. Clinical procedures regarding anterior free-hand composite restorations, one-wing adhesive partial dentures to replace missing anterior teeth and porcelain laminate veneers will be examined.

Subscription Term:
Unlimited

Number of videos:
7 on-demand

Duration:
7 h

Quality:
1920x1080
FULL HD VIDEO

Language:
English

VIDEO LECTURE 1

Congenitally missing lateral incisors: space closure and cuspid substitution. An alternative or a superior option to implants?

Author: **Marco Rosa**

In patients with maxillary incisor agenesis, the space closure alternative may be the best alternative and the first step of an interdisciplinary treatment, which leads to long term health, aesthetic and function. Nowadays space closure represents not only a possible choice in all malocclusions, but also an evidence based treatment that aims at achieving excellence. The lecture will show and discuss the rationale, the clinical method and crucial details of this treatment.

PARTICIPANTS WILL LEARN

- Guidelines to plan the interdisciplinary (ortho/perio/prosthod) treatment in case of missing teeth in the smile area.
- Rationale for the Space Closure in CMLI patients.
- New scientific evidence.
- New tricks and tips to optimize treatment and prevent negative side effects.
- How to close the spaces in all malocclusion.
- New alternatives for cosmetic restorations of the front teeth.
- New alternatives of prosthetic replacement in the smile area.

VIDEO LECTURE 2

Congenitally missing lateral incisors: hyerarchy of decisions, Part 1. Treatment Plan

Authors: **Renato Cocconi** & **Niko Perakis**

Our adolescent patients with congenitally missing teeth require contemporary solutions that can be functionally valid and esthetically pleasing long term. New strategies should be applied to our patients in the difficult transition from adolescence to adulthood.
The digital technology can be used as a GPS in designing a multidisciplinary treatment that involves orthodontics and restorative dentistry. A proper hierarchy of decisions and responsibilities need to be defined.

In this lesson a review of the decision-making criteria to be considered for planning a restorative and orthodontic treatment and clinical cases are presented step by step following this model:

- presentation of initial records
- treatment plan and discussion
- presentation of final records case and discussion

VIDEO LECTURE 3

Discussion on Priorities in Treatment Plan
Authors: Renato Cocconi & Marco Rosa

Dr. Rosa together with **Dr. Cocconi** and **Dr. Perakis** discuss several clinical cases treated with an interdisciplinary approach in order to share the new alternative rehabilitation strategies that are predictably applicable today.

Clinical cases presentation:

- presentation of initial records
- treatment plan and discussion
- presentation of final records case and discussion

VIDEO LECTURE 4

Hyerarchy of decisions, Part 2
Minimally Invasive Preparation: Composites / CAD -Cam Veneers / Ceramic Veneers
Authors: **Renato Cocconi** & **Niko Perakis**

In this second part, Dr. Cocconi and Dr. Perakis continue the considerations on the decision criteria to treat the agenesis of the lateral incisors. Orthodontist first needs to set up the proper occlusion deciding the position and the available size that will be necessary for the restorative dentist to obtain the proper form with a minimally invasive preparation. Several cases will illustrate the step-by-step approach and all the clinical issues of the treatment.

VIDEO LECTURE 5

Componeers and tads supported cantilever
Author: **Patrizia Lucchi**

In this lesson Dr. Lucchi presents 2 solutions for the restoration of lateral incisors.

- the solution with EGR (Esthetic Guided Restoration) technique for the restoration in the frontal area
- the Cantilever prosthetic technique using TADs for lateral incisors agenesis.

VIDEO LECTURE 6

Maryland Bridge: Long-term provisional or reliable prosthetic solution for single tooth replacement?
Author: **Stefano Gracis , DMD, MSD**

Not all patients with a missing anterior tooth are candidates for implants. This lecture addresses the non-invasive adhesive solutions for single tooth replacement: the traditional Maryland Bridge and the single-wing all-ceramic resin-bonded FDP.

Take home message:
At the end of the lesson, the participant will have learned:

- the differences in the FDP design between the Maryland Bridge and the all-ceramic adhesive bridge
- the minimum dimensional requirements of the wing and connector of the all-ceramic single-wing resin-bonded bridge in lithium disilicate and zirconia
- the two procedures for the adhesive cementation of zirconia

VIDEO LECTURE 7

Interdisciplinary discussion on one case
Authors: **Renato Cocconi, Marco Rosa, Niko Perakis, Stefano Gracis, Patrizia Lucchi**

Final discussion among the 5 experts on one case that will be analysed in an interdisciplinary step-by-step way and discussed all the clinical issues of the treatment, from diagnosis to the different restorative and prosthetic treatment solutions.

Structure of the discussion:

- presentation of initial records
- treatment plan and discussion
- presentation of final records case and discussion

Renato Cocconi MD, MS, is an orthodontist in Parma, Italy where he belongs to the FACE Ortho Surgical Center, a private practice that he directs with Prof. Raffaini. Dr Cocconi attended a 3 year Postgraduate Program in Orthodontics at the Department of Orthodontics of the University of Milan where he obtained his master's degree in 1993.
He subsequently spent 3 years in the United States where he worked in L.F. Andrews and attended the Roth Williams postgraduate course in from 1991-1993. Since that time Dr Cocconi has been very active in the orthodontic commu- nity nationally and internationally. He has received countless invitations to speak internationally for such groups as AAO, European Orthodontic Society, the American Academy of Esthetic Dentistry, the European Academy of Es- thetic Dentistry and the World Orthodontic Meeting in London in September 2015.
He is a Active member of the Angle Society of Europe and an active member of the European Academy of Esthetic Dentistry. He has served as a clinical professor in the Department of Orthodontics of the University of Milan from 1993 to 2008. Currently, Cocconi is a practicing partner in the FACE group in Italy and Europe and is also active member in many organizations including the EOS, AAO, SIDO and the Angle Society of Europe.

Dr Nikolaos Perakis graduated in dentistry with first class honours at the University of Bologna(Italy). He completed his studies at the University of Geneva(Switzerland) where he obtained thetitle of LMD, a Doctorate under the direction of Dr Pascal Magne, and the Specialization in FixedProsthodontics under the direction of Prof. U. Belser.
He is an Active member of the SwissSociety of Restorative Dentistry (SSRD), of the Accademia Italiana di Conservativa(AIC) and ofthe Interdisciplinary Gymnasium CAD-CAM (GICC).
Lecturer in the Department of Fixed Prosthodontics of the University of Geneva (Prof. U. Belser)since 2004, he also holds the title of Professor for the course ''Master of Fixed Prosthodonticsand Implant Dentistry using advanced technologies" which he teaches at the University ofBologna (Prof. R. Scotti).He has over the past years published scientific articles and lectured internationally.He maintains his own private practice in Bologna (Italy).

Marco Rosa, M.D., D.D.S., D.Orthod. graduated as Medical Doctor in 1981 then carried out postgraduate studies first in Dentistry, then in Orthodontics. Former President and Active Member of the Angle Society of Europe, he is both the European Board and the Italian Board of Orthodontics certified. He works in private practice, limited to Orthodon- tics, in Trento, Northern Italy and he is visiting professor at Insubria University - Italy. His primary areas of interest are "EarlyTreatment: key points and new procedures", "Space Closure in case of Upper Missing Incisors", "Ortho-Perio" and"Interdisciplinary Treatment". Winner of 2016 Dewel Award and 2015 WFO Award, he published and regularly lectures internationally about these topics.

Patrizia Lucchi was born in 1970, graduated as dental technician in 1989 and in 1995 in Dentistry cum Laude at the University of Verona. In 2008 she carried out postgraduate Studies in Orthodontics and three Years later received the Master in Pedodontics and Early Treatment at the University of Pisa. Visiting Professor at the University of Cagliari and Pisa, from 20 Years she works in Trento, North Italy, with Dr.Marco Rosa, forming a team specialized in pediatric and orthodontic Dentistry. Her primary ares of interest are Pedodontics, above all Dental Traumatology, and Esthetics.
She published and regularly lectures nationally about this topics.

Stefano Gracis DMD, MSD received his D.M.D. degree in 1986 from the University of Pennsylvania (Philadelphia,Pennsylvania, USA) and, in 1987, from the University of Pavia (Pavia, Italy). In 1990 he obtained the certificate in Prosthodontics with an M.S.D. degree at the University of Washington in Seattle under the guidance of Prof. Ralph Yuodelis. He then returned to Milan, Italy, where he has been working ever since in private practice limiting his activity to prosthodontics and restorative dentistry. He belongs as active member to the Italian Academy of Prosthetic Dentistry(AIOP), for which he was President in the years 2007-2008 and to the European Academy of Esthetic Dentistry (EAED)for which he was President for the 2017-18 term.
He is on the Editorial Board of the International Journal of Esthetic Dentistry and of the International Journal of Prosthodontics. He has contributed several articles and chapters in the field of restorative dentistry and he is a frequent lecturer on topics related to fixed prosthodontics and implant prosthodontics. He has been involved in the Scientific Committee of several International congresses.


os
osteocom
The dental learning platform