Advanced Biomechanics Course

Mechanics to solve day to day problems of orthodontist and improve clinical efficiency (Straight-Wire x Edgewise Modified x Rickets x Segmented Arch Technique - Burstone)

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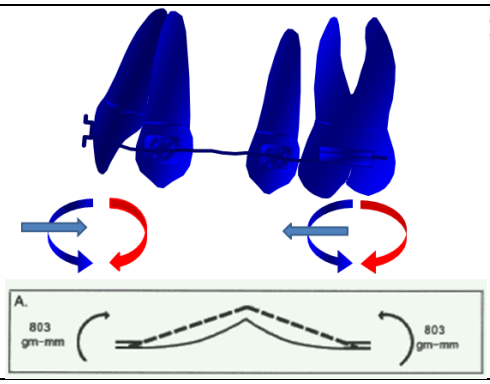
- **Level 1 - 2 days seminar (13-14 November 2015 in Zagreb-Croatia)**
- **Level 2 - 2 days seminar (15-16 January 2016 in Zagreb-Croatia)** (Level 2 indicates only doctors who did the first level seminar. Focus is to learn Segmented Arch Technique – Burstone)
- **Optional - Modul in Brazil** – 5 days intensive biomechanics course

Program

1. Biomechanics level 1
2. Excellence and efficiency in Space closure Bull Mechanics and Reverse Bull Mechanics
3. Advanced analysis in nasopharyngeal obstruction
4. Cantlever mechanics of intrusion and extrusion and other applications
5. Correction of midline deviation with Double Bull mechanical
6. Root Resorption Predictability Protocol
7. Protocol of High Efficiency in Straight Wire Space Closure
8. Self ligating brackets – indications and limits
9. Biomechanics level 2 V symmetric geometry in the palatal bar mechanics
10. Excelencia in Bonding - protocols without intercuspidation
11. Biomechanics level 3 – V Asymmetric clinical applications correction of Cl II unilateral, rotations, torques, Unilateral Posterior Cross bite
12. Mandible Protraction Appliance (APM/FLF e PMW)
13. Deep Bite correction – Parte 1
14. High efficiency in canine retractions with correct indications and triple pre-activations - Part 1
15. Protocols 1 and 2 in Open Bite
16. Biomechanics level 4 - Biomechanical principle Geometry stepped and clinical applications
17. Torque Revision and Systems Trainer
18. Deep Bite Correction - Part 2, system parts and Burstone
19. Biomechanics level 5 - Technical segmented Arch - Burstone - Fundamental concepts and Strap T (practice) and Mechanical Type B
20. Mechanical Type A - Critical Anchorage - Lock anchor space without loss (Burstone and Marcote)
21. High efficiency in canine retractions. Correct indications and triple pre-activations - Part 2 – TAS
22. Mechanical Type C - Critical Anchorage - space only lock with anchoring loss - mechanical Burstone and Marcote
23. Correction Root - Burstone Mechanical and Marcote
24. Correction Root - Ianni Mechanics - Advancement in Root correction Strap
25. Vertical Molars With and Without Extrusion

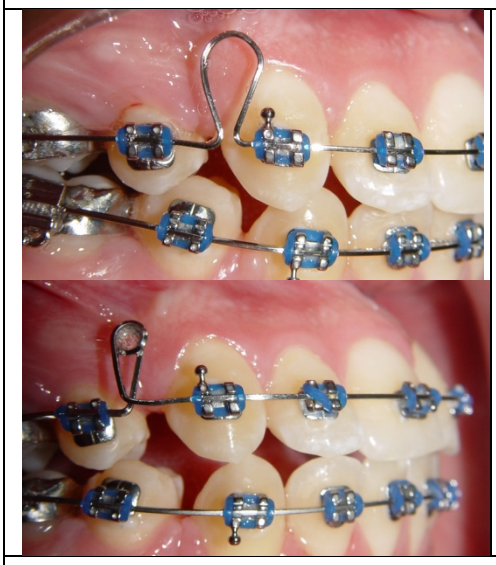
Lecturing fee: 800 Euro per Seminar, 2 days theoretical lecture and workshop



1 - Biomechanics level 1

System Force :

- Components
- Structure of general System Force
- Clinical aplications



2- Excellence and efficacy in Space closure Bull Mechanics and Reverse Bull Mechanics

- Indications and why to use loops in regular cases of extraction.
- Traditional Bull and Reverse Bull
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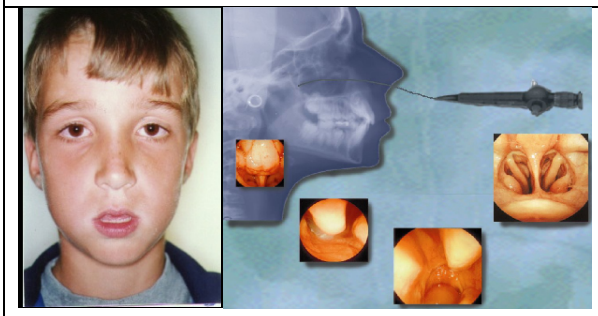
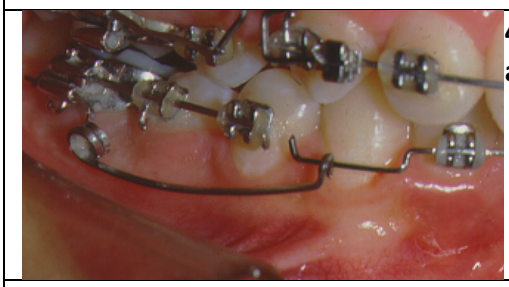


3- Advanced analysis in nasopharyngeal obstruction

RX and Video endoscopy – anterior and posterior septal deviation controversy and scientifically treatment + General, allergic and hypertrophic chronic Rhinitis + Sinusitis + Tonsils and Adenoids controversy in surgery and immunologist system + Hypertrophy of turbinates tail inferior + synechiae, tumors and polyps. Performance and limits of orthodontist in diagnostic and monitoring of mouth bleeding and correct way to have professional relationship of pediatric, Otorhinolaringology and Speech therapist



4-Cantlever mechanics of intrusion and extrusion and other applications

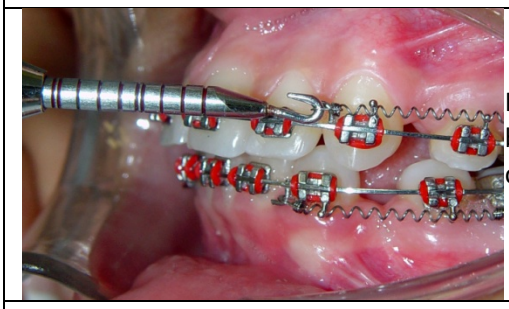
- Biomechanics of cant lever
- Cant lever Intrusion for Deep Bite, Extrusion for Open Bite and design/material for others indications

5-Correction of midline deviation with Double Bull mechanical

Correction of midline shift with and without extraction in different degrees of difficulty anchorage.
Double mechanical Bull - activation protocol

6-Root Resorption Predictability Protocol

Root reaborção predictability protocol.
How to identify the risk of reabosrção before the first bracket bonding
Histology applied to Pratic clinically and how to solve various orthodontic clinical situations thinking biologically

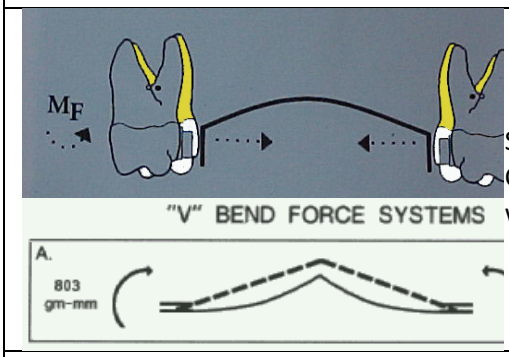


7-Protocol of High Efficiency in Straight Wire Space Closure

High efficiency protocol Straight Wire with 25 important points to consider before, during and after the extraction space closure for efficiency and decrease the orthodontic relapse.

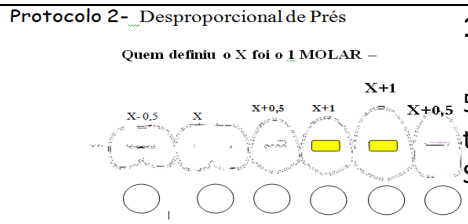
8-Self ligating brackets – indications and limits

Important and vital indications of the philosophy of self-ligating
When the self-ligating help us reduce extractions, to remodel the shape of the bow, the more speed treatment and what are the limits of indications
Use protocols appropriate to the different degrees of difficulty
Mechanics of Wins



9-Biomechanics level 2 V symmetric geometry in the palatal bar mechanics

Symmetrical V applied to various clinical situations
Correction of cross bites, rotations, torque on the palatal bar mechanics with symmetrical V needs



10-Excelencia in Bonding - protocols without intercuspidation

5 bonding different protocols respecting the anatomy of the teeth in order to eliminate the intercuspidation stage in orthodontic treatment
Smile Beauty protocol

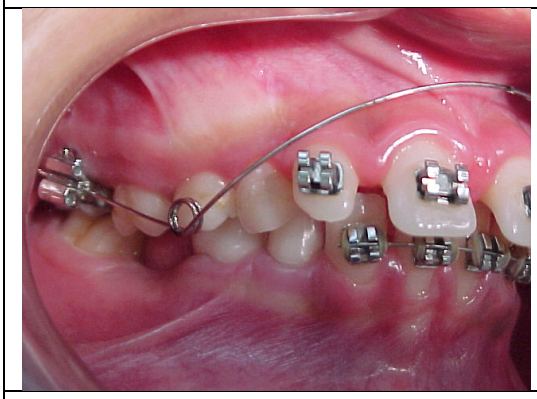
11 Biomechanics level 3 – V Asymmetric clinical applications correction of

- Cl II unilateral
- Rotations
- Torques
- Unilateral Posterior Cross bite

V asymmetric applied in different clinical situations and intrusion mechanics

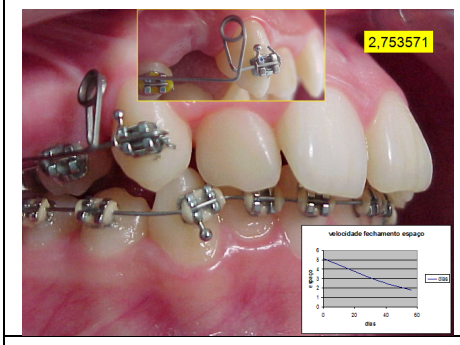
12-Mandible Protraction Appliance (APM/FLF e PMW)

Cl II correction in adults with braces mandibular protação without the need for patient cooperation



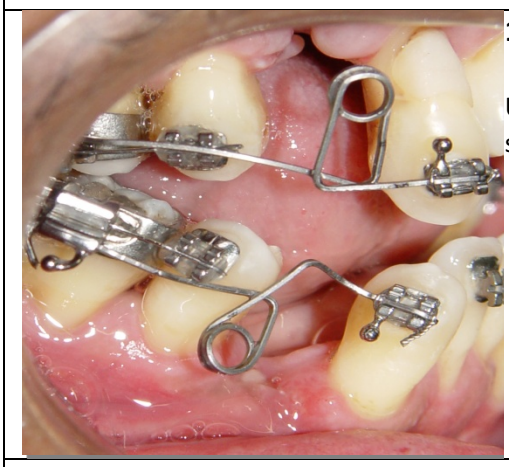
13-Deep Bite correction – Parte 1

diagnosis and several mechanics for deep bite correction



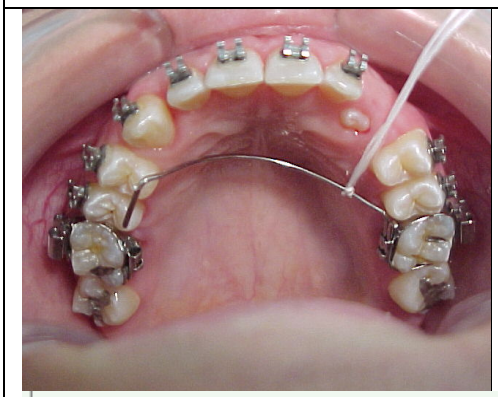
14-High efficiency in canine retractions with correct indications and triple pre-activations - Part 1

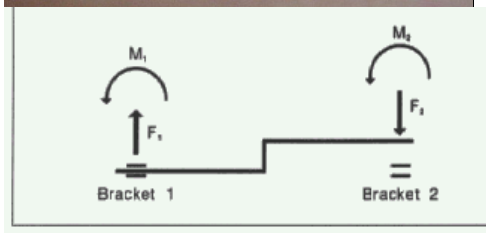
Correct indications and limitations on Ricketts strategy in mechanical partial retraction of canines
Protocol simplification of cases of great difficulty



15- Protocols 1 and 2 in Open Bite

Use of knowledge partial retraction of the canine procolos Ianni 1 and 2 to skeletal open bite with crowding



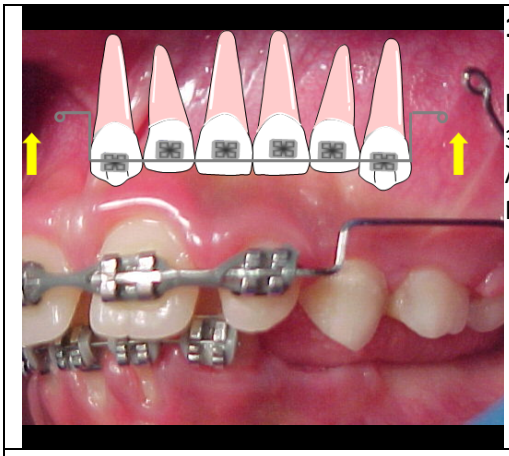


16 -Biomechanics level 4 - Biomechanical principle Geometry stepped and clinical applications

Clinical applications of geometry in step
Palatal bar in asymmetry correction of the occlusal plane, unilateral Cl II, Cl Cl II and III, finishing bends

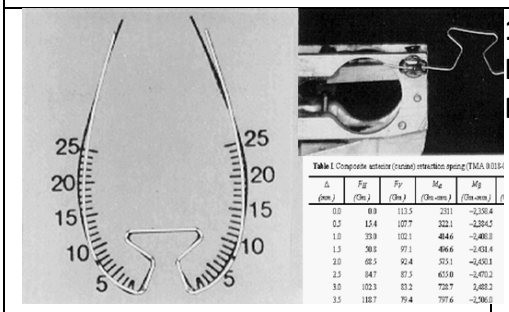
17 Torque Revision and Systems Trainer

Preventive apparatus type trainner to crowding correction in children, remodeling of arch form, mouth breathing, containment and mechanical protection in sports. , Mandibular replacement in mandibular deviations in adults



18 Correction Deep Bite - Part 2 and system parts and Burstone

Deep Bite correction with mechanical segmented with focu in mechanics of 3 pieces of Burstone
Adaptation of Ricketts Arch Base to correct biomechanical principles
Porce systems modification from statically indeterminate to determined



19- Biomechanics level 5 - Arc Technical segmented Burstone - Fundamental concepts and T spring (practice) and Mechanical Type Burstone and Marcotte

20- Mechanical Type A - Critical Anchor - Lock anchor space without loss (Burstone and Marcote)

Fundamental concepts of segmented arch
Moment /force and load/deflection applied in efficiency
Types of movements unused in Straight Wire technique but fundamental in segmemted arch tecnique in anchoragem dificulties
segmentation of arcs nand mechanics of two teeth

21- High efficiency in canine retractions. Correct indications and triple pre-activations - Part 2 – TAS

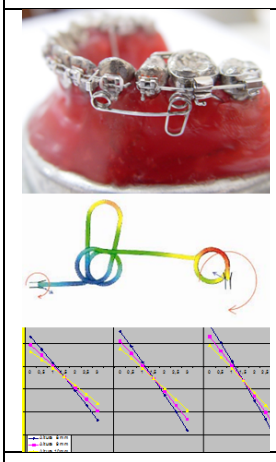
Partial retraction of canines in Segmented Arch Tecncique Burtone
Critical anchorage cases and cases with radicular correction needs

22- Mechanical Type C - Critical Anchoring - space only lock with anchoring loss - mechanical Burstone and Marcotte

Challenges in the extraction space closure only with loss of anchorage
Mechanical type C Burstone and Marcotte

23- Correction Root - Burstone Mechanical and Marcotte

Mechanical and strategies to root correction according to SAT Burstone and Marcotte



24-Root Correction Ianni Mechanics-Advancement in Root correction

Changes in the root corrections mechanics in Segmented Arch Tecnique according to new researchs and new root correction spring by Ianni
Root corrections with and without extrusion
Uprighting teeth opening or closing space and combination of all movements in accordance with Ianni protocol

25- Vertical Molars With and Without Extrusion

Various mechanical to Uprighting molars
Challenges and difficulties in Uprighting molars without extrusion
Simplifying Uprighting using geometry of arches applied to Straight Wire.
Doing simple something complex