

Biomechanics and Segmented Arch Technique

Course held by Dr. Paolo Manzo, D.D.S., Ph. D., MSc Orthod

Organized by **AO** American Orthodontics Romania
(Stoma Dent Total SRL)

28 & 29 October 2016
Bucharest, Romania



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BIOMECHANICS AND SEGMENTED ARCH TECHNIQUE:

Clinical excellence in orthodontics is extremely dependent on the accuracy of diagnosis, adequacy of treatment plan, and correct management of biomechanics.

Critical steps include knowing how to work with force and movement ratios needed to produce the desired dental movements and reduce unwanted ones, how to manage anchorage by dividing active from passive units, and how to produce statically determined systems. Another key factor in producing predictable and controllable movements is knowing how and when to use the proper loop and cantilever.

Understanding the biomechanical and wire modeling principles underlying our clinical therapies is essential in order to reduce side and iatrogenic effects, and to perform efficient and successful orthodontic treatments.



Dr. Paolo Manzo - Italy D.D.S., Ph. D., MSc Orthod

Dr. Manzo graduated cum laude in Dentistry (D.D.S.) in 1997 with a thesis on occlusion and posture correlations. Since his graduation, he followed a training program focused on both traditional and lingual orthodontics. He completed his post-graduation in Orthodontics (MSc) with honor's and he received a PhD in Oral Science at University of Naples "Federico II". He is Adjunct Assistant Professor at University of Naples "Federico II" from 2008. Dr. Manzo received the excellence certification by Italian Board of Orthodontics (I.B.O.), by European Board of Orthodontics (E.B.O.) and by European Board of Lingual Orthodontics (E.B.L.O.).

Dr. Manzo has lectured at courses, masters and congresses in different countries of the world on the following topics: lingual orthodontics, straight wire and self-ligating technique, torque management with variable prescriptions, finishing, biomechanics, II class malocclusions, interdisciplinary and complex treatments of dental anomalies and TADs management. Dr. Manzo has trained Italian and foreign doctors with practical courses and he manages with his coworkers in office courses on lingual technique with Harmony system and on straight wire technique. He has presented several award winning scientific and clinical papers at national and international conferences. Over 30 scientific posters presented at National and International Congresses and publications in International peer-reviewed journals.

Author and co-author of 7 award winning scientific presentations.

His clinical practice is limited exclusively to the orthodontics and cranio-mandibular disorders management. He is international orthodontic clinical advisor. Dr. Manzo was a Board member of the European Federation of Orthodontics (F.E.O. 2011-2015) and of the Italian Dental Association (A.N.D.I.).

AGENDA:

FRIDAY 28 OCTOBER 2016

08.30 - 09.00	Registration
09.00 - 11.00	Principles of biomechanics and dental movement
11.00 - 11.30	Coffe break
11.30 - 13.00	Biomechanics of dental movement and geometries: V bends and step bends
13.00 - 14.00	Lunch
14.00 - 16.00	Wires and materials characteristics: what to know about it and how to use it
16.00 - 16.30	Coffe break
16.30 - 18.00	Sequence of wires - how to manage movements in the 3 space orders with low friction / Q & A and Conclusions

SATURDAY 29 OCTOBER 2016

09.00 - 09.30	Previous day review
09.30 - 11.00	Coffee break
11.30 - 13.00	Cantilevers and Box loop, True Utility arch sectionals, Bull loops arch wires
13.00 - 14.00	Lunch
14.00 - 15.30	Hands-on course
15.30 - 15.45	Break
15.45 - 17.15	Hands-on training / Q & A and Conclusions

All the instruments required for the hands-on part will be brought by the participants:

- Bird beak
- Omega loop forming plier
- Standard pin ligature cutter
- Weingart plier
- Hollow chop - Big bird beak for heavy 0.7 or 0.9 wires

All other materials are provided by the organizer American Orthodontics Romania.

REGISTRATION AND LOCATION DETAILS:

LOCATION

PHOENICIA GRAND HOTEL
B-dul Aerogarii 87, Bucuresti
Tel.: (021)300-0888
E-mail: office@phoenicia.ro

FEES

400 €

350 € if paid before 15 September 2016

Registration deadline: 10 October 2016

Max. participants: 35

TO REGISTER

Stoma Dent Total SRL

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ABOUT AMERICAN ORTHODONTICS:

American Orthodontics is the largest privately held orthodontic manufacturer in the world, proudly based in Sheboygan, Wisconsin. Since 1968, American Orthodontics has been manufacturing quality orthodontic products and peripherals for customers in more than 100 countries.

More than 95% of American Orthodontics' products are manufactured at its Sheboygan headquarters using highly automated production equipment and a skilled, dedicated workforce. With 11 wholly owned subsidiaries, a direct sales force in North America, and a global team of exclusive distributors.

American Orthodontics is a true orthodontic industry leader, committed to providing customers quality products, personalized service and dependable delivery.

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