ALWEHDA MEDICAL GROUP

FIRST WORLD ORTHODONTIC BIOMECHANICS SYMPOSIUM

DOHA, QATAR

January 24-26.2019

Doha , Qatar

Ammar
Boureaul
Choy
Fiorelli
Melsen
Morton
Merlo
She
Viecilli
Yoshida

Biomede
biomechanics development

SCIENTIFIC PROGRAM

THE NEED FOR AN ORTHODONTIC BIOMECHANICS SYMPOSIUM

A thorough understanding and working knowledge of biomechanical principles is an invaluable asset for any orthodontist. Regardless of the preferred and commercially available orthodontic therapy du jour, the success and predictability of any treatment approach is underpinned by the appropriate application of orthodontic forces.

Proper biomechanical design may even shed light on possible treatment misadventures. Furthermore, a more advanced knowledge of biomechanics enables the orthodontist to create patient-specific, customized appliances to solve even the most challenging of maloc clusions.

The First Orthodontic Biomechanics Symposium has been promoted by Biomede and the Alwehda Medical Group with the key concept of bringing together the leading clinicians and researchers in the field of Biomechanics from around the globe.

Attendees will be presented with concepts of the potential for orthodontic therapy, principled on rational biomechanics. We are certain this event will be a milestone in your professional development, and an opportunity not to be missed.

We look forward to welcoming you to Doha in January 2019.

DAY 1 — Jan 24th, 2019

9:00-9:30	Tarek Ammar (Qatar): Welcome to the Congress and Presentation. How biomechanics changed my clinical practice.
9:30-9:45	Giorgio Fiorelli: Welcome to the Congress. What is Biomede?
9:45-11.00	**Course Kwangchul Choy (S.Korea):** Part 1: Clinical Application of Biomechanics
11:00 -11.30	*Coffee Break*
11:30 -13.00	Part 2: Clinical Application of Biomechanics
13:00 -14:00	*Lunch Break*
14:00 -16:00	Part 3: Use of Lingual Arches
16:00 -16.20	*Coffee Break*
	Biomechanics Course Alumni Case Reports Session 1
16:20–16:50	Zafar Husanof (Uzbekistan)
16:50–17:20	Asta Abuneviciute (Lithuania)
17:20–17:50	Juan Arellano (Chile)
18:00	**Biomede General Assembly**

FEES AND REGISTRATION

FEES	STANDARD	US$ 900
	STUDENT	US$ 750

Go to http://bws-qatar.com and do the online registration and payment.

DAY 2 — Jan 25th, 2019

8:30:-8:50	Birte Melsen: (Denmark): Is biomechanics knowledge essential in contemporary clinical orthodontics?
8:50-9:40	Cristoph Boureaul (Germany): Biomechanics of the Periodontal Ligament – Clinical, Experimental and Numerical Studies
9:40-10:10	Paola Merlo (Switzerland): Correction of Iatrogenic Asymmetries
10:10-10:50	Kwangchul Choy (S. Korea): Biomechanical limitations of TADs
	Question time
11:00–13:30	*Prayer and Lunch time*
13:30-14:20	Birte Melsen: (Denmark): Biomechanics in patients with alveolar bone loss.
14:20-15:10	Nori Yoshida (Japan): Smart and Visible Biomechanics - Optimizing treatment mechanics based on numerical simulation of long-term orthodontic tooth movement
15:10-15:25	Mariana Păcurar (Romania): The Effect of Rotation upon Dental Structure Components Following Appliance Placement.
15:25-16:15	John Morton (USA): Aligners Biomechanics
	Question time
16:20-17:00	*Coffee Break*
17:00-17:50	Rodrigo Viecilli (Brazil): A: Experimental Evaluation of Burstone Geometries for linear and superelastic wires. B: Experimental 3D Force System and M/F from lingual and transpalatal arch symmetric activations.
17:50-18:30	Giorgio Fiorelli (Italy): Advanced Considerations About the Clinical Use of Statically Indeterminate Linear Wire Systems
	Question time

DAY 3 — Jan 26th, 2019

9:00-9:30	Franklin She (Hong Kong): Two Vector Mechanics in the Treatment of Complex Cases
9:30-16:30	**Course Giorgio Fiorelli (Italy) and Paola Merlo (Switzerland)** Mandibular Repositioning: Treatment planning and Mechanics Design
9:30-11.00	Part 1
11:00	*Coffee Break*
11.30-13:30	Part 2
13:30	*Lunch Break*
14:30-16.00	Part 3
16.00	*Coffee Break*
	Biomechanics Course Alumni Case Reports Session 2
16:30-17:00	Jean-Marc Retrouvey (Canada)
17:00-17:30	Siva Vasudavan (Australia)
17:30-18:00	Wislei Oliveira (Brazil)
18:00-18:30	Elsa Arango (Colombia)

CONGRESS VENUE: GRAND HYATT DOHA

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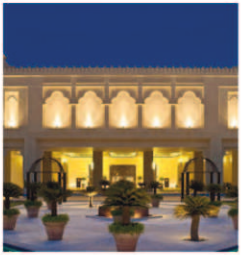

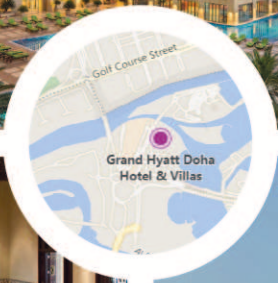

CONGRESS CONTACT

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