

# BUCHAREST ALIGNER MEETING OCTOBER 11-12



**Dr. Ravindra  
NANDA**



**Dr. Kenji  
OJIMA**



**Dr. María  
MAGALLÓN**



**Dr. Giorgio  
IODICE**

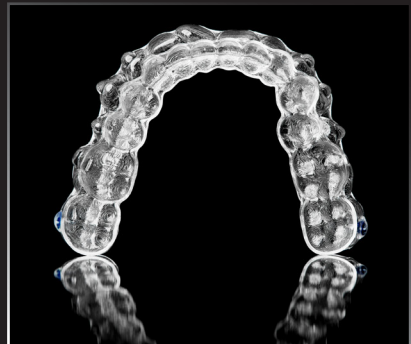


**Dr. Andreea  
BIRIŞ**

## Dr. Ravindra NANDA



- Professor Emeritus, Former UConn Alumni Endowed Chair and Head of the Department of Craniofacial Sciences and Division of Orthodontics, University of Connecticut, Farmington, Connecticut, U.S.A;
- Adjunct Professor at The Forsyth Institute, Cambridge, Ma, USA;
- Active in orthodontic research in the area of biomechanics, clinical trials and acceleration of orthodontic treatment.
- Has authored with his colleagues more than 250 scientific papers;
- Editor-in-chief of Progress in Orthodontics and he is on the editorial board of ten different national and international orthodontic journals;
- In 2022 he was awarded Fellow of World Federation of Orthodontics (WFO);
- Given numerous named lectures at national and international societies including Mershon and Angle Heritage Lectures at the American Association of Orthodontics and Sheldon Friel Lecture at the 2011 EOS Congress;
- Recognized with numerous Honorary memberships and has received various awards from international orthodontic organizations;
- Authored and co-authored eight text books.



## Dr. Kenji OJIMA

- Adjunct Professor University of Torino Italy Orthodontics Department;
- President of Japan Academy of Aligner Orthodontics;
- Editor of Journal of Aligner Orthodontic Quintessence;
- Former Invisalign clinical speaker and faculty;
- Studied Dentistry at the University of Showa (Tokyo-JAPAN) and received his postgraduate training in Orthodontics at the University of Showa;
- Adjunct professor at the department of Orthodontics at the University of Torino in Italy;
- Earned an MDS from the University of Innsbruck in Austria;
- Scientific researcher and publishes articles about aligner treatment;
- Owns three private practices as a specialist for orthodontics in Tokyo with Dr. Chisato Dan, Dr. Watanabe and Dr. Kumagai.



## Dr. Ravindra NANDA

### SHAPE MEMORY ALIGNERS: A NEW PARADIGM

Recent studies have confirmed the clinical experience that the thermoformed aligners do not have the predicted efficacy for various orthodontic tooth movements.

Primary problem has been the plastic material used for thermoformed aligners. It is stiff, does not adapt to teeth unless a bite force is used for first two days which results in its deformation. Along with deformation at the gingival level the magnitude of force delivered is very high and decay is fast; both are undesirable.

Recently Graphy from Korea has introduced new resin material TC-85 which has shape memory properties and allows direct printing of aligners. This presentation will describe the evidence-based studies, will discuss the work flow and advantages of using shape memory aligners.

## Dr. Kenji OJIMA

### REDEFINE ALIGNER ORTHODONTICS

Almost 100 years have passed since Remensnyder proposed aligner orthodontics in 1926, and with the introduction of CAD/CAM by Align Technology with Invisalign, the last 25 years have seen aligner orthodontics applied in many clinical practices worldwide.

More recently, revolutions in the industry, including CAD, simulation software for orthodontic treatment with aligners, the increasing performance of 3D printers, and the emergence of new aligner materials have triggered an increase in the quality of digital in-office aligner systems. Not only has aligner production shifted from 3rd party commission to in-house production, but the concept of aligner orthodontics has also changed dramatically, changing the workflow of treatment, treatment planning, and treatment outcomes. The conventional wisdom in aligner orthodontic treatment, which is commissioned by conventional companies, is poised to change drastically, here and now.

This lecture will redefine the fundamental concept of aligner orthodontic treatment.

- **Biomechanics and State of Current Thermoformed aligners** Dr. Nanda
- **Why Direct Printing and Shape Memory Aligners** Dr. Nanda & Dr. Ojima
- **Graphy Work Flow** Dr. Nanda & Dr. Ojima
- **Treatment Planning and software integration** Dr. Ojima
- **Shape Memory Clinical Cases** Dr. Ojima
- **TADs and Shape Memory Aligners** Dr. Nanda & Dr. Ojima

## Dr. Giorgio IODICE

- Diploma in Orthodontics and PhD in "Oral Sciences" from the University of Naples "Federico II"
- Certificate of Excellence in Orthodontics in Italy (Italian Board of Orthodontics) and the E.B.O.
- Member of the IBO examining committee in 2013, 2015 and 2017, and of the SIDO Model Display examining committee in 2014.
- President 2020-2021 of the Italian Association of Specialists in Orthodontics (ASIO).
- President 2020-2021 of the European Begg Society of Orthodontics (EBSO)
- Active member of SIDO, EOS, SIBOS, AIDOr and SIDA.
- Speaker in international congresses and university masters.

### **ALIGNERS: WHERE WE ARE AND WHAT WE CAN REALLY DO**

Recently, in the orthodontic world but also in common social media, aligners have an ever increasing weight. Indeed, both clinicians as well as all our patients are constantly bombed by commercial information aiming to transfer the idea to us or rather make us believe that anything is possible with aligners. But is it really so? What we really have to expect? And what to fear?

My report will highlight the benefits and limitations of aligners. We will analyse the literature in detail to understand the scientific support or not the most famous and common commercial claims on aligners. At the same time, I will report which movements are predictable with aligners, which ones are less and how to increase their efficiency.



## Dr. María MAGALLÓN



- Clinical collaborator in development projects for several international companies such as Nemotec®, DSD®, AlignTechnology®, ClearCorrect®, Forestadent®, Airways®.
- Certified by FACE/Roth Williams Center for Functional Occlusion
- FAS Forestadent Planning Center Clinical Director
- Digital planner since 2011
- Bachelor on Dental Science
- Master's Degree in Orthodontics
- Private practice as orthodontist

## OCCUSALDESIGN, THE BEST WAY TO OPTIMIZE YOUR VIRTUAL TREATMENT PLANS

OcclusalDesign® presents a paradigm shift in aligner treatment planning, emphasizing a smarter approach for optimal predictability. It's time to move beyond assumptions and tailor our plans to each patient's unique needs, considering everything from their individual limits to their desired aesthetics and functional requirements with intelligence and realism. Discover the transformative power of a few simple yet pivotal strategies that promise to revolutionize your planning process and drive success in aligner treatments.

## Dr. Andreea BIRIȘ

- Master's Degree in Orthodontics
- Started the FACE program in 2012
- Founded the UNIQUE SMILE Dental Care Center in Sibiu in 2014, an interdisciplinary dental clinic, with an integrated 3D radiology laboratory, a center that approaches a digitized workflow in current practice.
- Participates at events as a speaker, with case presentations both in Romania and abroad.
- Is Certified in FAS aligner system by Forestadent.

### UNLOCKING THE SECRETS OF A PERFECT SMILE WITH ALIGNERS

In today's world, it's becoming increasingly common for patients to seek orthodontic treatment for aesthetic purposes. They expect the treatment to be quick and comfortable, and as professionals, it's our duty to meet their demands. Aligners have become a popular choice as they provide shorter and more comfortable treatment options. However, we still come across challenges in our treatment with aligners. But, with my knowledge and experience, I'll take you on a journey through clinical cases and patient stories to show how these challenges can be overcome. Join me on this journey and let's explore the possibilities together.



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