



09:30 Lecture start

開会の辞 菅原準二先生 医療法人健康会 仙台青葉クリニック

Greetings to begin the Forum Jyunji Sugawara Sendai Aoba Clinic

### Session I

座長：安井正紀先生 宮崎台やすい矯正歯科クリニック

Chairman : Dr. Masanori Yasui Miyazakidai Yasui Orthodontic Clinic

#### Lecture 1 09 : 40~10 : 10

松成 篤先生 宇佐矯正歯科クリニック

“上下顎の変形を伴う顔面非対称症例に対する外科矯正治療の合理化  
-TADsによる外科矯正治療のMIの可能性-“

Dr. Atsushi Matsunari Usa Orthodontic Clinic

「Rationalization of ortho Gnathic Surgery for Facial Asymmetry Case with Bi-maxillary Deformity  
-Possibility of Minimal Intervention for OGS with TADs-」

#### Lecture 2 10 : 15~10 : 45

奥橋園子先生 そのこ矯正歯科

「健康保険適応外の外科矯正治療」

Dr. Sonoko Okuhashi Sonoko Orthodontic Clinic

“Surgical Orthodontic Treatment out of Health Insurance “

#### Lecture 3 10 : 50~11 : 20

佐藤廉也先生 (医) クリエイティングスマイルズ五橋デンタルクリニック

「正中口蓋縫合部アンカレッジシステムを用いた矯正治療のフォースシステムに関する一考察」

Dr. Renya Sato Medical Corporation Creating Smiles Itsutsubashi Dental Clinic

“A Consideration on the Force Systems of Orthodontic Treatment Utilizing the Skeletal Anchorage Device in Median Palatal Suture “

Coffee Break 11:20~11 : 30

### Session II

座長：尾崎博弥先生 神奈川歯科大学高度先進口腔医学講座歯科矯正学分野

Chairman : Dr. Hiroya Ozaki Division of Orthodontics, Department of Highly Advanced Stomatology, Kanagawa Dental University

#### Lecture 4 11 : 30~12 : 00

福井忠雄先生 ふくい矯正歯科医院

「ミニプレートとミニスクリューを組み合わせで歯科矯正学的に治療した開咬と顎関節機能異常またはガミースマイルを併発した2症例」

Dr. Tadao Fukui Fukui Orthodontic Office

“Orthodontic Approach Using Combination of Mini-Screws and Mini-Plates to Two Open Bite Cases with TMD Symptoms or Gummy Smile Respectively “

**Lecture 5** 12 : 05~12 : 35

尾島賢治先生 スマイルイノベーション矯正歯科

「アライナー矯正治療とインターディシプリナリー治療」

Dr. Kenji Ojima Smile Innovation Orthodontics

“Aligner Orthodontics x Interdisciplinary Approach “

**Lecture 6** 12 : 40~13 : 10

宇津照久先生 宇津矯正歯科医院

「早期治療は矯正治療期間を短縮できるのだろうか？ — 治療開始時期を考慮のうえ SMAP インプラントを用いて行った外科矯正症例 —」

Dr. Teruhisa Utsu Utsu Orthodontic Office

“Can We Shorten the Period of Orthodontic Treatment by Early Intervention? —Orthognathic Surgery Case Using SMAP Implant in Consideration of the Start of Treatment— “

昼休憩 13 : 10~

Lunch break

**Lecture 7** (Luncheon Seminar) 13 : 20~13 : 50

児玉利朗先生 神奈川県歯科大学大学院歯学研究科 高度先進口腔医学講座インプラント・歯周病学分野

「歯周矯正連携における歯周病の背景」

Dr. Toshiro Kodama Yokohama Clinical Education Center・Division of Implantology and Periodontology  
Department of Highly Advanced Stomatology Graduate School of Dentistry Kanagawa Dental University

“Background of Periodontal Disease in Periodontal Orthodontic Cooperation “

### Session III

座長 川合暢彦先生 神奈川県歯科大学高度先進口腔医学講座歯科矯正学分野

Chairman : Dr. Nobuhiko Kawai Division of Orthodontics, Department of Highly Advanced Stomatology,  
Kanagawa Dental University

**Lecture 8** 13:55~14 : 25

不島健持先生 神奈川県歯科大学高度先進口腔医学講座歯科矯正学分野教授

「上顎骨周囲縫合部への顎整形的アプローチの意義」

Dr. Kenji Fushima Division of Orthodontics, Department of Highly Advanced Stomatology,  
Kanagawa Dental University

“Significance of Orthopedic Approach to Circummaxillary Suture “

**Lecture 9** 14 : 30~15 : 00

吉田教明先生 長崎大学大学院医歯薬学総合研究科 歯科矯正学分野

「下顎大臼歯アップライトのための生体力学的戦略」

Dr. Noriaki Yoshida Department of Orthodontics and Dentofacial Orthopedics, Nagasaki University  
Graduate School of Biomedical Sciences

“Biomechanical strategies for uprighting mandibular molars “

**Lecture 1 0** 15 : 05~15 : 35

Dr. WON-GUN CHANG Seoul National University College of Dentistry

“The researches about a goal of dental treatment and how to achieve treatment goal began in the 18th century “

Coffee Break 15 : 35 分~15 : 45

#### SessionIV

座長

Charman : Dr. Unbong Baik Smile-with Dental Clinic

**Lecture 1 1** 15 : 45~16 : 15

Dr. Choonbong Lee Gounmiso Orthodontics Clinic

“Diagnosis and Treatment of Patients with Structural Airway Problems of the Oral and Nasal Cavity “

**Lecture 1 2** 16 : 20~16 : 50

Dr. Yoon-Ji Kim Assistant professor, Department of Orthodontics Korea University School of Medicine

“Digital Orthodontics for Non-surgical Class III Treatment: Clear Aligners versus Custom Brackets “

**Lecture 1 3** 16 : 55~17 : 時 25

菅原 準二先生 医療法人健康会 仙台青葉クリニック

「Surgery First アプローチの現状について」

Junji Sugawara Sendai Aoba Clinic

“The Current Status of Our Surgery First Approach “

総括・閉会の辞 17 : 25~

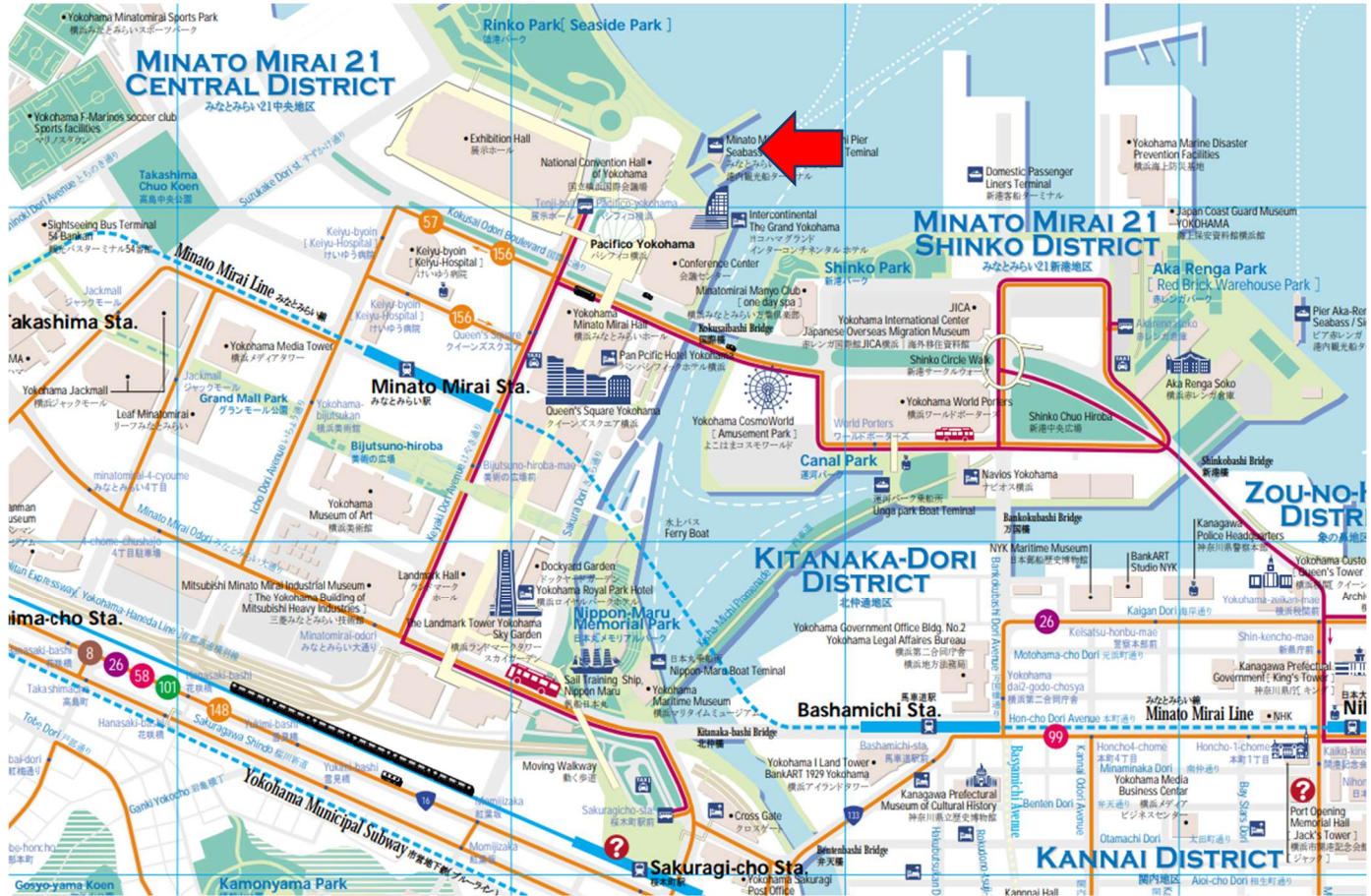
Summary and Closing Speech

不島健持先生 神奈川歯科大学高度先進口腔医学講座歯科矯正学分野教授

Kenji Fushima Division of Orthodontics, Department of Highly Advanced Stomatology, Kanagawa Dental University

懇親会 みなとみらいピア21 19:00~21:00

Gala Dinner 19:00~21:00 Sunday 22th December 2019 Pier 21 Minato Mirai



Dr. CHANG, WON-GUN

Title:

The researches about a goal of dental treatment and how to achieve treatment goal began in the 18th century.

Functional articulation and esthetic dental treatment are the goal of all dentists. In order to achieve this goal, there is an orthodontic treatment in which the tooth is moved and treated in the mouth, and there is a prosthetic treatment method in which functional and esthetic teeth are reproduced outside mouth and transferred into the mouth. No matter how treatment method is used, the goal is always the same from the past to the present.

So how does history teach us what are key considerations to achieve the goal of dental treatment? It summarizes the harmony of five factors which are Centric relation, Occlusal scheme, Vertical dimension of occlusion, Anterior teeth esthetics, and Neuromusculature. This is called Chang's COVAN.

In daily dental practice, most of cases are well treated and patients are satisfied, but in some cases, the patient may not be satisfied with the results of the treatment, and may continue to suffer from discomfort or pain without knowing why. If you know what is the cause of the problem and solve the problem, you will find that many of the cases diagnosed through Chang's COVAN are more likely to know the cause and improve the prognosis after treatment.

In this lecture, I will present how to make a diagnosis and treatment plan through Chang's COVAN and how to utilize it in daily practice with clinical cases.

CHANG, WON-GUN (DDS, MS, PhD)

DDS, Seoul National University College of Dentistry, KOREA

MS, New York University (NYU) College of Dentistry, USA

PhD, Seoul National University College of Dentistry, USA

Certificate, Advanced Specialty program in Orthodontics, NYU College of Dentistry

Certificate, Advanced Education Program in Prosthodontics, NYU College of Dentistry

Vice President, Korean Academy of Esthetic Dentistry & Korean Academy of Stomatognathic Function and Occlusion

Author, COVAN: Harmony of Stomatognathic System (Quintessence Korea)

Editor, Journal of Clinical & Digital Dentistry (JCDD), [www.jcdd.org](http://www.jcdd.org)



Dr. Choonbong Lee

Title:

Diagnosis and treatment of patients with structural airway problems of the oral and nasal cavity.

The problem of the airway of the oral and nasal cavity is often thought as structurally narrow. The narrower the airway, the more collapsible breathing will be. However, respiration is the most basic physiological response, and the actions of the respiratory-related neuromuscular system appear in order to maintain the homeostasis of respiration. Also, I believe that it is closely related to oral functions such as mastication and swallowing, and we want to confirm the importance of proper functional interventions by orthodontic treatment.

In order to objectively identify the symptoms of an airway problem, I diagnosed them through CBCT, Portable PSG, Peak nasal invasive flow (PIF) meter, BMI and Survey. I will explain how it was used for diagnosis and applied to treatment.

To present appropriate improvement methods, I investigated the factors that collapse the homeostasis of respiration by nasopharynx, oropharynx, and hypopharynx, and compared the characteristics and differences according to age.

I will present about orthodontist' s role in OSA(obstructive sleep apnea) patients with structural airway problems of the oral and nasal cavity.

Choonbong Lee

Chonbuk National Dental University, 1996.

Dept. of Orthodontics, Chonbuk National University Dental Hospital, 2000.

Gounmiso Orthodontics Clinic. (Bucheon) 2003

Ajou University, Adjunct Professor at the Dept. of Orthodontics

Korean Society of Orthodontics, Academic director

Dr. Yoon-Ji Kim

Title: Digital orthodontics for non-surgical Class III treatment: clear aligners versus custom brackets

In non-surgical treatment of Class III malocclusion, lower incisors can be retracted either by extraction or non-extraction treatment. Since the advent of temporary skeletal anchorage devices (TADs), non-extraction treatment of Class III malocclusion by distalization of the whole lower dentition has become a viable treatment option.

CAD-CAM technology in the field of clinical orthodontics has led to development of clear aligners and customized brackets/wires. While the two systems differ in the material, force systems, and biomechanics, they acquire patients' intraoral scan data, and undergo digital virtual setup to predict the final occlusion. Then the appliance is manufactured based on patient's individual data to maximize treatment efficacy and obtain predictable results.

In this presentation, strategies for nonsurgical treatment of Class III malocclusion using clear aligners and custom brackets/wires will be discussed. Also, clinical outcomes such as lower incisor inclination and alveolar bone changes will be analyzed by using cone-beam computed tomography.

Yoon-Ji Kim, DDS, MSD, PhD

Assistant professor,  
Department of Orthodontics  
Korea University School of Medicine

