



**Japan Association
of Microscopic Dentistry**

The 20th Annual Meeting & Scientific Session Lunchtime Seminar

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Ortho Periodontal Micro Surgery

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TOKYO NIHOMBASHI AQUA DENTAL ORTHODONTIC INTERDISCIPLINARY CLINIC

Orthodontic treatment, which leverages natural teeth for significant functional and aesthetic improvements, has gained considerable attention. The WHO ranks malocclusion as a significant oral health issue, with gingival recession observed in a high percentage of orthodontic patients, posing a risk, particularly in cases with vulnerable periodontal tissue phenotypes. The focus has shifted to preventive measures like Phenotype Modification Therapy, with proposed techniques such as SFOT, VISTA, and O-PRO. However, there's a concern about surgical procedures being performed without full comprehension of their objectives. Since the early 20th century, debates persist regarding orthodontic treatment extending beyond the alveolar bone base and intercanine width, affecting post-orthodontic relapse and gingival recession. This lecture will synthesize evidence and introduce optimized periodontal regeneration therapy (O-PRO method) for orthodontic treatment using AI-driven cephalometric analysis (DIP Ceph). I'll also propose clinical guidelines for OrthoPerio and FABA methods while discussing the potential and future challenges of interdisciplinary orthodontic care.