

Timing and Strategies for Prosthodontic Treatment in the Era of AI and a Super-Aged Society

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In 2024, South Korea officially transitioned into a super-aged society, necessitating a fundamental paradigm shift in geriatric prosthodontics. Conventional "one-size-fits-all" approaches are no longer sufficient for elderly patients who present with complex systemic, functional, and socio-economic constraints. Successful treatment planning now requires a multidimensional analysis to balance the "selective preservation" and "selective removal" of the remaining dentition.

Recent advancements in Artificial Intelligence (AI) are opening new frontiers, offering crucial clinical decision support when evaluating and managing patients with highly complex conditions. Furthermore, for frail patients, removable prostheses supported by a limited number of implants provide a highly effective, minimally invasive solution. This presentation explores the optimal timing for intervention and proposes realistic, AI-enhanced clinical strategies tailored to the diverse needs of the elderly.

Learning Objectives

By the end of this session, participants will achieve the following:

- * Course-takers will learn about the potential of AI-driven support for the comprehensive assessment and clinical decision-making involved in treating elderly patients with complex clinical conditions.
- * Course-takers will learn that the elderly population is not a monolithic group; clinical considerations and strategic choices must be specifically tailored according to the unique sub-classifications and individual needs of each patient.
- * Course-takers will learn that removable prostheses supported by a limited number of implants (mini-implants) can serve as an optimal minimally invasive strategy, effectively restoring function while minimizing the physical burden on frail elderly patients.

Profile

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