

Global implant dentistry (where we are and where we go) – An EU, US, and Korea perspective

Prof. Marco Tallarico / Department of Medicine, Surgery, and Pharmacy, University of Sassari, Italy

Prof. Varo Boyer / UCLA School of Dentistry and Private Practice in CA, USA

Prof. Chang Joo Park / Department of Oral & Maxillofacial Surgery, Hanyang University Hospital, Republic of Korea

Implant dentistry has become an essential part of modern dental practice worldwide, offering reliable solutions for tooth replacement and rehabilitation of function and esthetics. However, there are significant regional differences in clinical protocols, materials, and techniques in implant dentistry, which are often influenced by cultural, economic and healthcare backgrounds.

Currently, advancements in digital workflows, including computer-aided design and manufacturing (CAD/CAM), cone-beam computed tomography (CBCT), and various scanning devices, have improved the precision and accuracy of implant dentistry. Meanwhile, it is assumed that traditional methods and cost-effective treatment protocols are also prevalent in many countries.

While the fundamental principles of implant surgery and prosthodontics are well established, ongoing research explores new materials, surface treatments and designs to improve the biocompatibility and mechanical properties of dental implants. In addition, regional preferences for bone graft materials, barrier membranes, and bone augmentation techniques for implant dentistry vary based on the availability and accessibility.

The purpose of this international joint symposium is to compare and contrast our routine practice of implant dentistry across three major implant markets in the world: the European Union (EU, Italy), North America (USA), and Asia (Republic of Korea). By looking globally beyond our own boundaries, we will be able to expand our horizons and refine our treatment concepts and skills, ultimately enhancing patient outcomes in implant dentistry.

Learning Objectives

- * Course-takers will identify global variations and latest developments in implant techniques, materials, and clinical protocols across the EU, North America, and Republic of Korea.
- * Course-takers will assess the role of digital tools in improving precision and accuracy of diagnosis and treatment planning in implant dentistry.
- * Course-takers will expand their clinical perspectives by comparing and integrating diverse approaches to enhance the outcomes in implant dentistry.

Profile

Marco Tallarico

- * DDS, M.Sc. in Oral Surgery, University of Rome
- * Certified in Implant-Based Therapy, European Association of Osseointegration
- * Aesculapius Research Price, University of Florence (2019)
- * Active Members of IAO, DDS, EAO, AIOM
- * Present, Associate Professor at the Department of Medicine, Surgery, and Pharmacy, University of Sassari, Italy

Varo Boyer

- * Owner Dentist at Elite Dental Implant Center
- * General Practice Residency at Veterans Affairs Greater Los Angeles Healthcare System
- * General Practice Residency at Cedars Sinai Medical Center
- * Doctor of Dental Surgery at UCLA School of Dentistry
- * Present, Clinical Professor at UCLA School of Dentistry Department of Restorative Dentistry

Chang Joo Park

- * DDS, PhD, Seoul National University School of Dentistry
- * Training, Department of Oral & Maxillofacial Surgery, Seoul National University Dental Hospital
- * Fellowship, Department of Dental Anesthesiology, Seoul National University Dental Hospital
- * Research Scholar, Department of Periodontics, University of Pennsylvania School of Dental Medicine, PA
- * Present, Professor, Department of Oral & Maxillofacial Surgery, Hanyang University Hospital, Seoul, Republic of Korea