



제 56차 대한악안면성형재건외과학회 종합학술대회 및 정기총회



The 56th Congress of the Korean Association of
Maxillofacial Plastic and Reconstructive Surgeons
November 3(Fri) – 4(Sat), 2017 | Global Convention Plaza, Seoul

Symposium 3



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Korea

Education & Careers:

- 1986-1992 College of Dentistry, Seoul National University
- 1993-2005 Master, Ph.D., Seoul National University
- 1992-1996 Resident training, Department of Oral and Maxillofacial Surgery, Seoul National University Hospital
- 1996-1999 Army surgeon on duty
- 2000-2001 Fellow, Oral and Maxillofacial Surgery, University of Erlangen, Germany (DAAD stipendium)
- 2002-present Professor, Department of Oral and Maxillofacial Surgery, Asan Medical Center, College of Medicine, Ulsan University
- 2009-2011 Research fellow, Wakeforest Institute for Regenerative Medicine, Wakeforest University, NC, USA
- 2011-present Head, Department of Dentistry, College of Medicine, Ulsan University
- 2012-present Director of Biomaterials and Tissue engineering, Asan Medical Center

Current Positions in Academic Societies

- 2012-present Vice president, Korean Association of Temporomandibular Disorders
- 2012-present Editorial board member, Journal of Korean Oral and Maxillofacial Surgeons (JKAOMS)
- 2012-present Editorial board member, Maxillofacial Plastic and Reconstructive Surgery(MPRS)
- 2012-present Editorial board member, International Journal of Tissue Regeneration
- 2013-present Director of Communication, Korean Association of Sports Dentistry
- 2014-present Director of Liaison, Korean Association of Maxillofacial Plastic and Reconstructive surgery
- 2014-present Director of General Affairs, Korean Association of Osseointegration(KAO)
- 2014-present Director of Biomaterials, Korean Association of Tissue Engineering and Regenerative Medicine
- 2014-present Director of Clinical Dentistry, Korean Association of Biomaterials
- 2014-present Director of International Affairs, Korean Association of Oral and Maxillofacial Surgery (KAOMS)
- 2014-present Vice general secretary, ICOMS 2017 organizing committee

Clinical and Research interests: TMD, Orthognathic surgery, Regenerative medicine and Tissue engineering

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Tissue Engineering and Cell therapy in Oral and Maxillofacial area

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Tissue Engineering and Cell therapy are currently being focused in various clinical conditions in oral and maxillofacial (OMF) area and have shown significant promising outcome. These approaches may provide two main clinical effects; 1. building bloc effect to refill defective tissues at recipient diseased site 2. Paracrine effect to affect adjacent cells or tissues to be regenerated as normal or healthy. Numerous diseases in OMF area develop due to imbalance of cellular behavior or defective cellular function. Many drugs and substances have been developed and used to cure these disease conditions, however, unfortunately, those are still ineffective in some diseases cases. Therefore, in these refractory cases, cell therapy, novel translational approach, might be a significant alternative to perform. In this presentation, our trials of both preclinical and clinical, will be introduced and discussed.