

## Mandibular Implant Overdentures

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Edentulous patients lose some of the ability to perform certain activities- eating, speaking, facial expression and ones appearance is impaired. Prosthodontic treatment must restore the teeth, supporting bone and soft tissue, and impaired function & esthetic appearance. Restorative option for edentulous patients include Implant supported fixed prostheses, Implant overdentures, Implant assisted RPDs, and Complete dentures.

2002 McGill Concensus in Canada and 2009 York Concensus in UK suggested that “Mandibular 2-implant overdenture and Maxillary complete denture as the first treatment of choice for edentulous patients should be recommended” in terms of long-term success with high quality of function and patient’s satisfaction. Nowadays, the mandibular implant overdentures are commonly utilized worldwide. Especially, in cases that natural teeth or fixed bridges are in the maxilla, mandibular implant overdentures are highly recommended instead of complete dentures.

Several items for successful Mandibular implant overdentures should be carried out correctly: 1) Well made complete dentures, 2) Treatment planning of Implant overdenture based on CBCT and scan data of denture and bone, 3) Proper Implant installation in terms of Position, Parallelism ,and Vertical level with SurgiGuide by 3-D analysis , 4) Proper selection of attachment(Stud, Bar, and Magnet) and correct application of the attachment on implant and denture at appropriate timing, 5) Proper Maintenance & After care of implant overdentures for long-term success.

My presentation will cover: 1) Selection of Restorative option for edentulous patients based on patient’s preference, the degree of jaw bone resorption & discrepancy of jaw relationship, patients’ financial affordability, 2) Clinical procedures for complete dentures and Diagnosis & Tx planning for mandibular implant overdentures, 3) Fixture installation with SugiGuide , 4) Selection of Stud attachments and Clinical procedures on the direct & indirect application, 5) Indication and clinical application procedures of Mini-implant mandibular overdentures, 6) Maintenance & After care of implant overdentures.

### Profile

- \* Seoul National University, School of Dentistry
- \* Korean(Asian) Academy of Prosthodontics, President
- \* International College of Prosthodontists(ICP), Co-President
- \* IADR, Implant Research Group(IRG), President
- \* Korea University Medical School, Emeritus Professor
- \* Present) Director of ShinSangWan Dental Clinic