

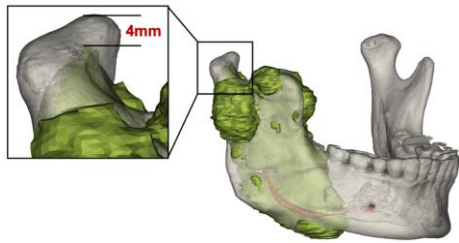
# Wide-type TMJ-mandibular prosthesis combined with dental implants

## Preoperative



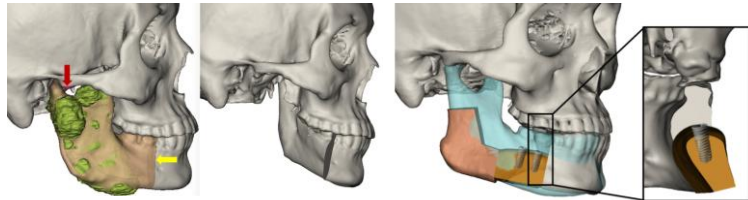
Panoramic X-ray

CT suggesting that condyle cannot be preserved



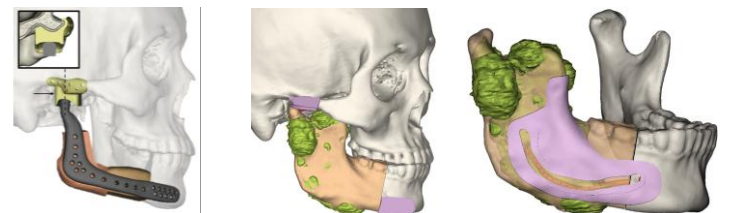
Osteotomy design

Graft bone flap design based on the mirror image of the healthy mandible



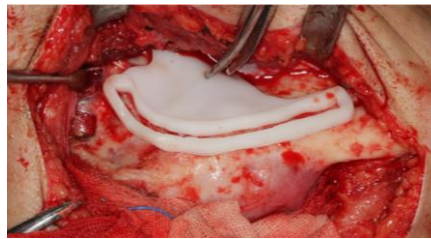
Prosthesis design

Guide plates design

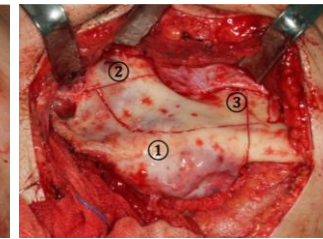


## Operation

① Freeing the inferior alveolar neurovascular bundle



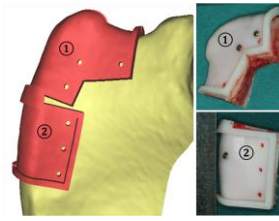
② Osteotomies to remove the diseased jaw part in segments



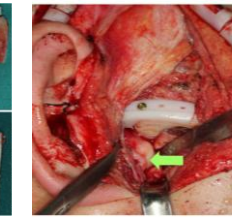
③ Mandibular resection



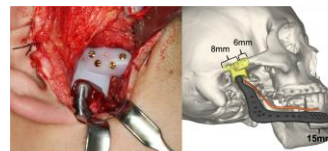
④ Harvesting of the right iliac bone flap



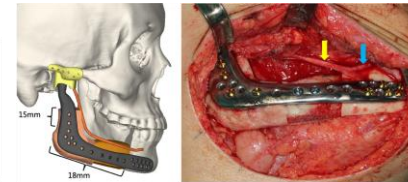
⑤ Articular eminence osteotomy



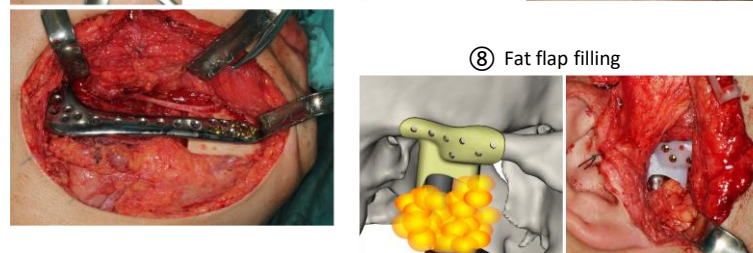
⑥ Installation of the prosthesis



⑦ Fixed iliac bone blocks (preserving the inferior alveolar neurovascular bundle)

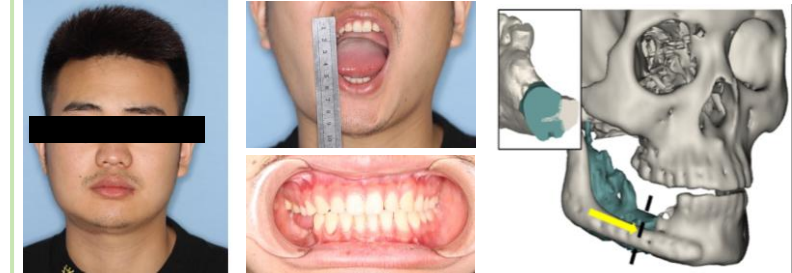


⑧ Fat flap filling



## Postoperative

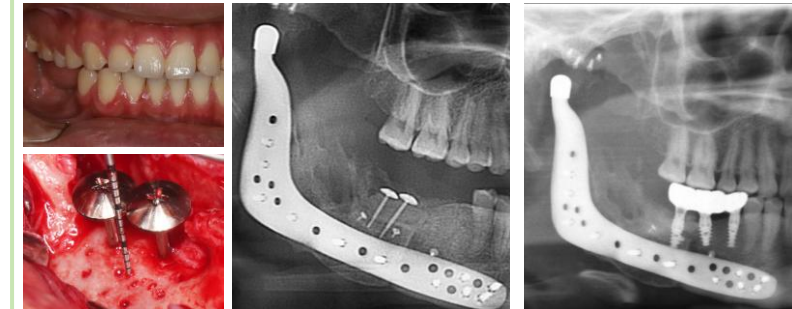
One year after surgery



Three years after surgery

Tent peg bone grafting

Dental implantation



Eight years after surgery

