

# OraGEN® Cellular Bone Matrix

Case performed by: Dr. Edgard El Chaar, New York, NY

## CASE STUDY

### Patient & Diagnosis:

- A 63-year-old female
- Missing posterior left molars and premolars
- Major horizontal and vertical bone deficiency

### Previous Treatment:

- None other than the extraction of these teeth

### Intervention:

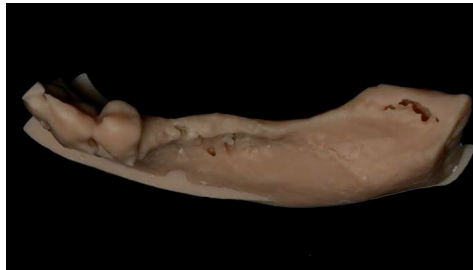
- A ridge augmentation procedure was done using 100% OraGen and titanium mesh.

### Outcome:

- Outcome: Successful width and height bone regeneration amenable for the placement of three implants replacing the first and second molar as well as the first premolar.



Clinical picture of the site showing the extensive bone deficiency



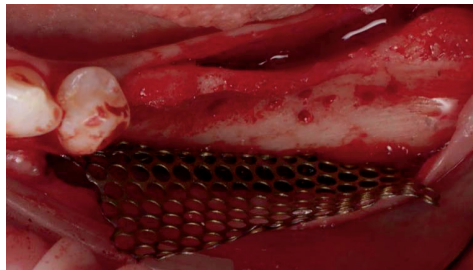
A picture of the site 3D printed from the CBCT confirming the extensive bone deficiency



A wax-up of the 3D printed model in preparation to the surgery (horizontal view)



A wax-up of the 3D printed model in preparation to the surgery (vertical view)



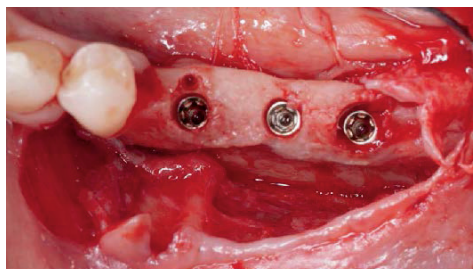
The titanium mesh that was prepared from the 3D model was fixated and the site was decorticated



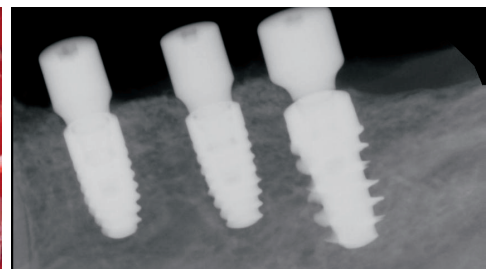
OraGen in place and covered by the titanium mesh



At six months, the titanium mesh was removed, and we can see the bone build-up



Three dental implants placed



Radiograph

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