NEXT 21

CT-Bone™

What is CT-Bone?

CT-Bone is the World`s first synthetic bone graft to fuse and assimilate.Unlike other ceramics CT-Bone does not require a thermal process to increase mechanical strength. Since CT-Bone does not require sintering process,it displays better bony fusion and is dimensionally stable.

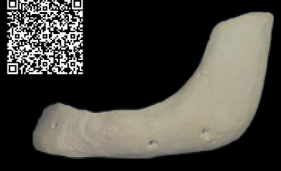
Unique Characteristics of CT-Bone

Material
Unsintered Calcium deformitive HA is a same material as our human bone.

Fitting
We use 3D printer to reproduce complex structure.

Inner Structure
Continuous Pores and cavities allows cells to enter.

Medical Expense Reinbursement
Insurance application as synthetic bone graft is possible .



Right Lower Jaw Deformity After Reconstruction

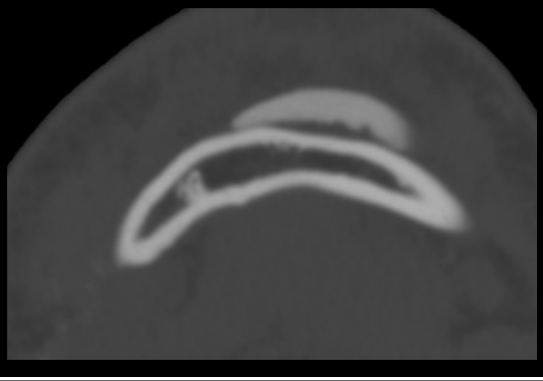
First and Second Branchial Arch Syndrome

Microsomia

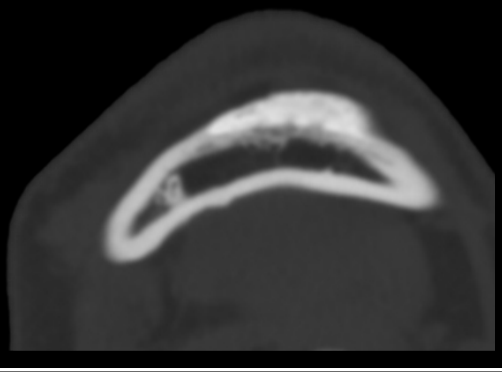
Clinical Research

Case 1: Hemifacial Microsomia

Post OPE



3 Years After OPE



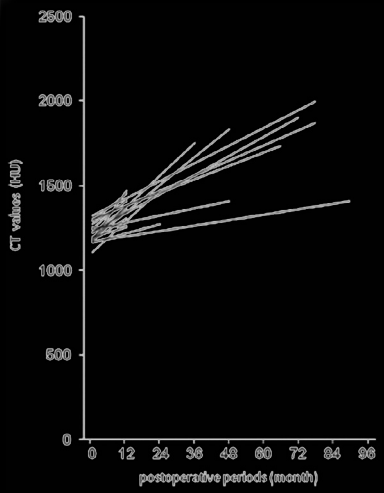
Case 2: Right Lower Jaw Deformity After Reconstruction

Pre OPE

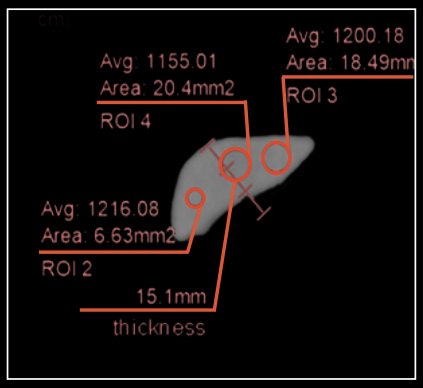
Post OPE

1year After OPE

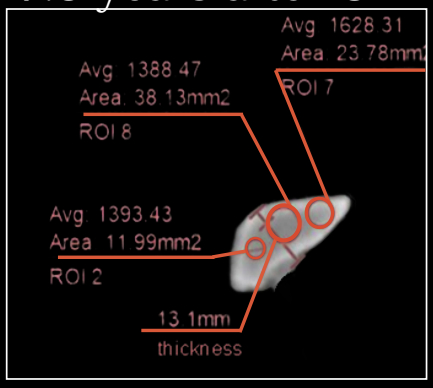
Changes in CT values



Post OPE



7.3 years after OPE

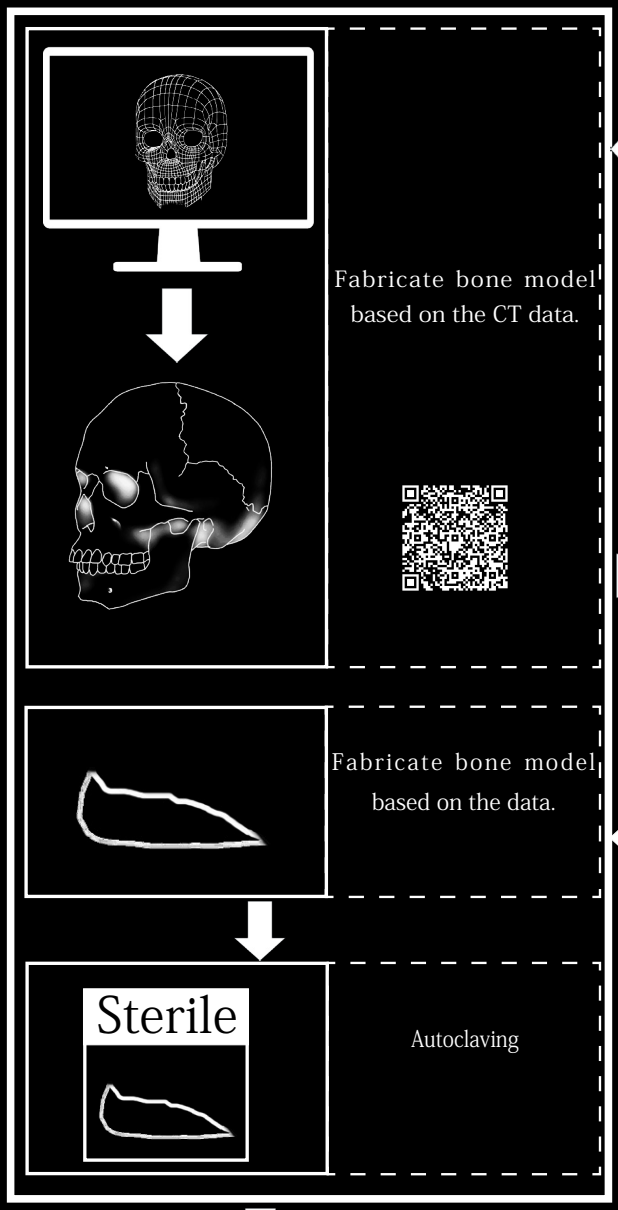


Reference: Yuki Kanno et al. Computed tomographic evaluation of novel custom-made artificial bones, "CT-Bone", applied for maxillofacial reconstruction. Regenerative Therapy 5(2016)1-8

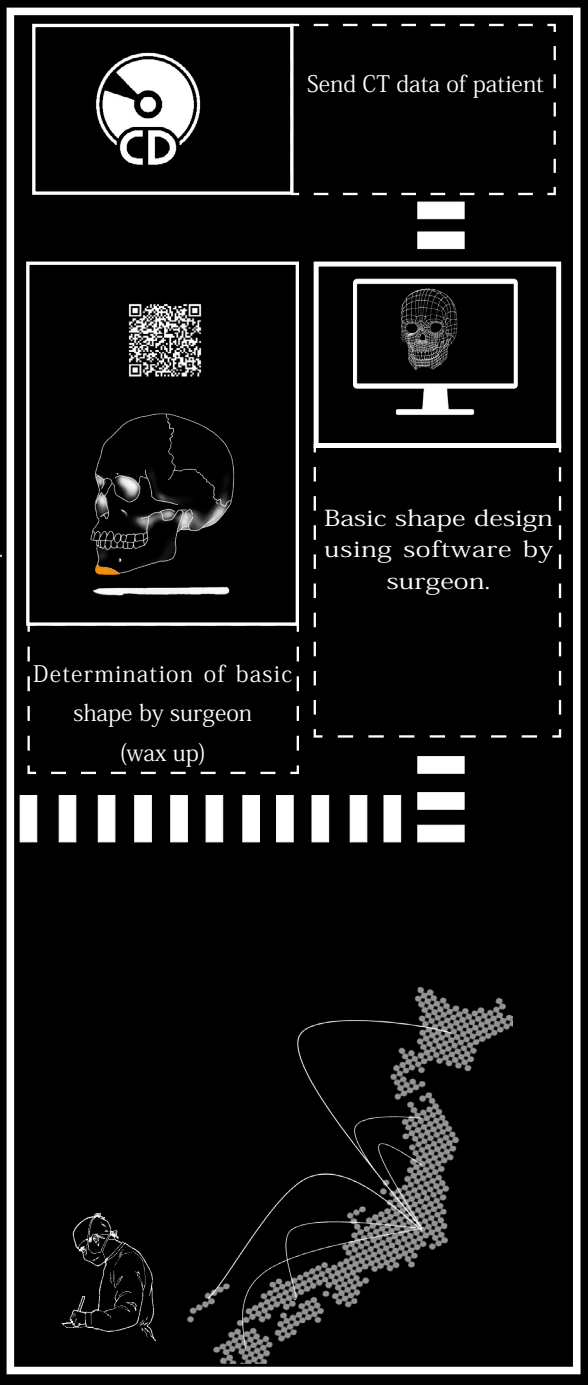
【Flow of delivering CT-Bone™】

・・Main Route ・・・Sub Route

Next 21



Hospital



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Distributor Agent okada

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NEXT 21