

Welcome

In GAMA Center



GAMA Clinics



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07726609009 - 07800092622



GAMA

Digital Implantology And Treatment Planning

Dr. Ghazwan Alkinani

BDS, MSc, PhD in Prosthodontics

 **Ghazwan Alkinany**

 **ghazwan alkinany**



Technology



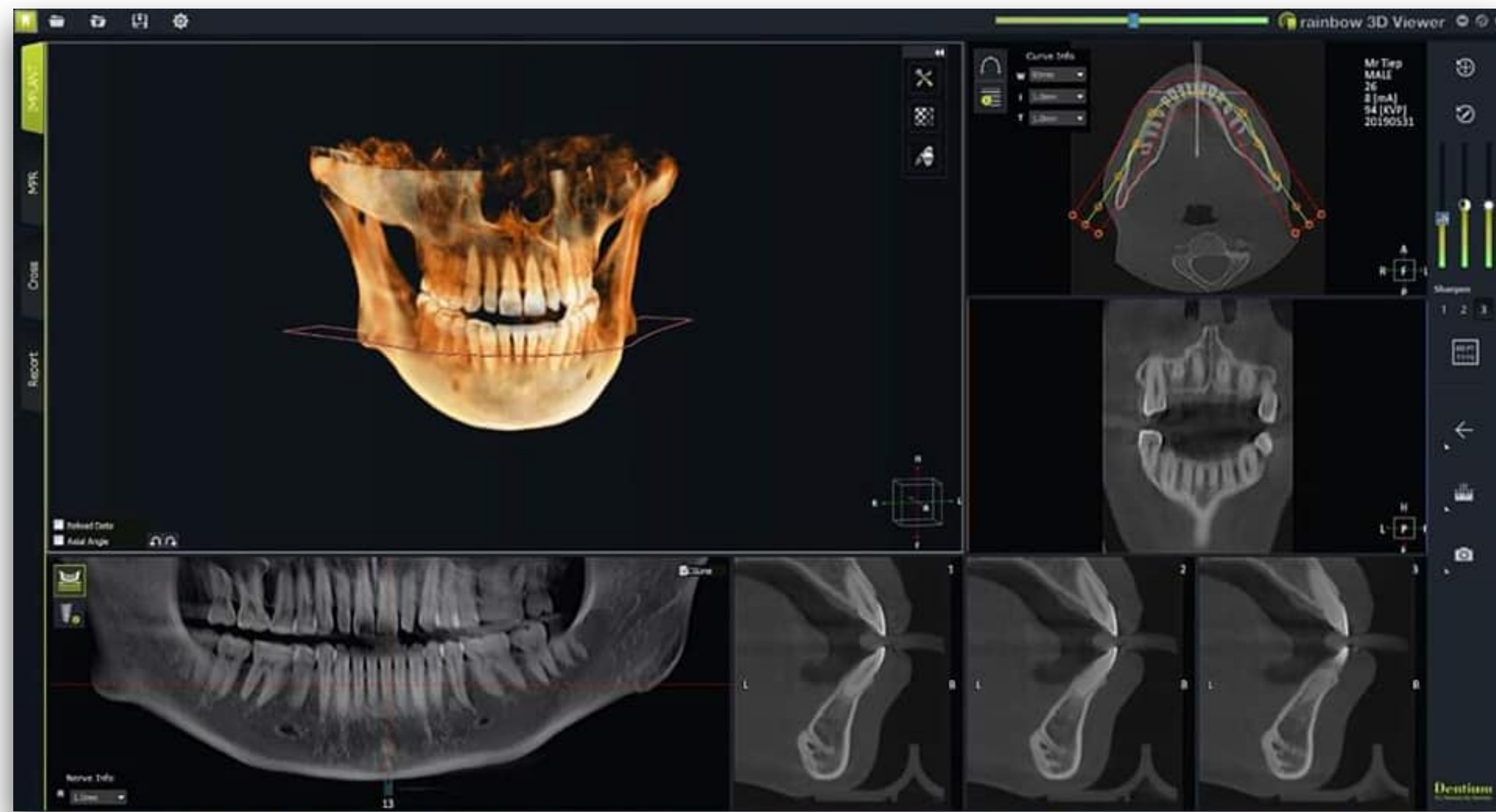


**“IF YOU FAIL TO PLAN,
YOU ARE PLANNING TO FAIL”**

*Benjamin
Franklin*



Treatment Planning

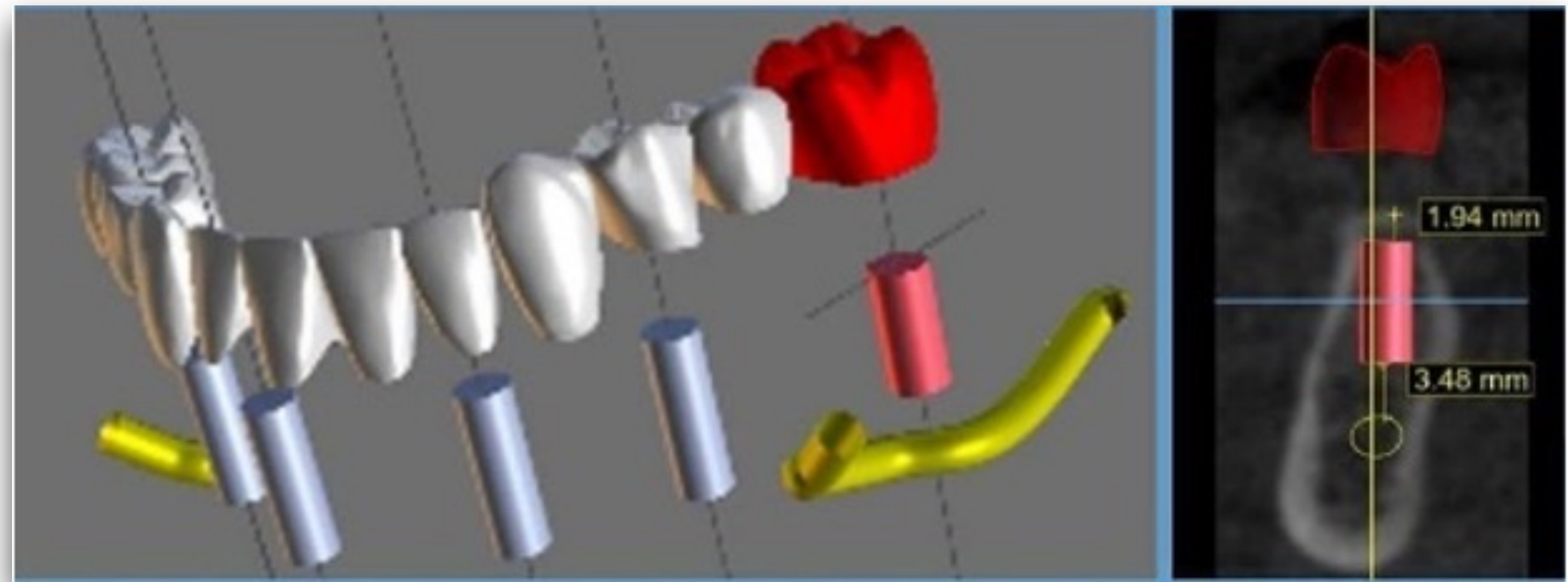


Free Hand Implant Placement

Treatment Planning

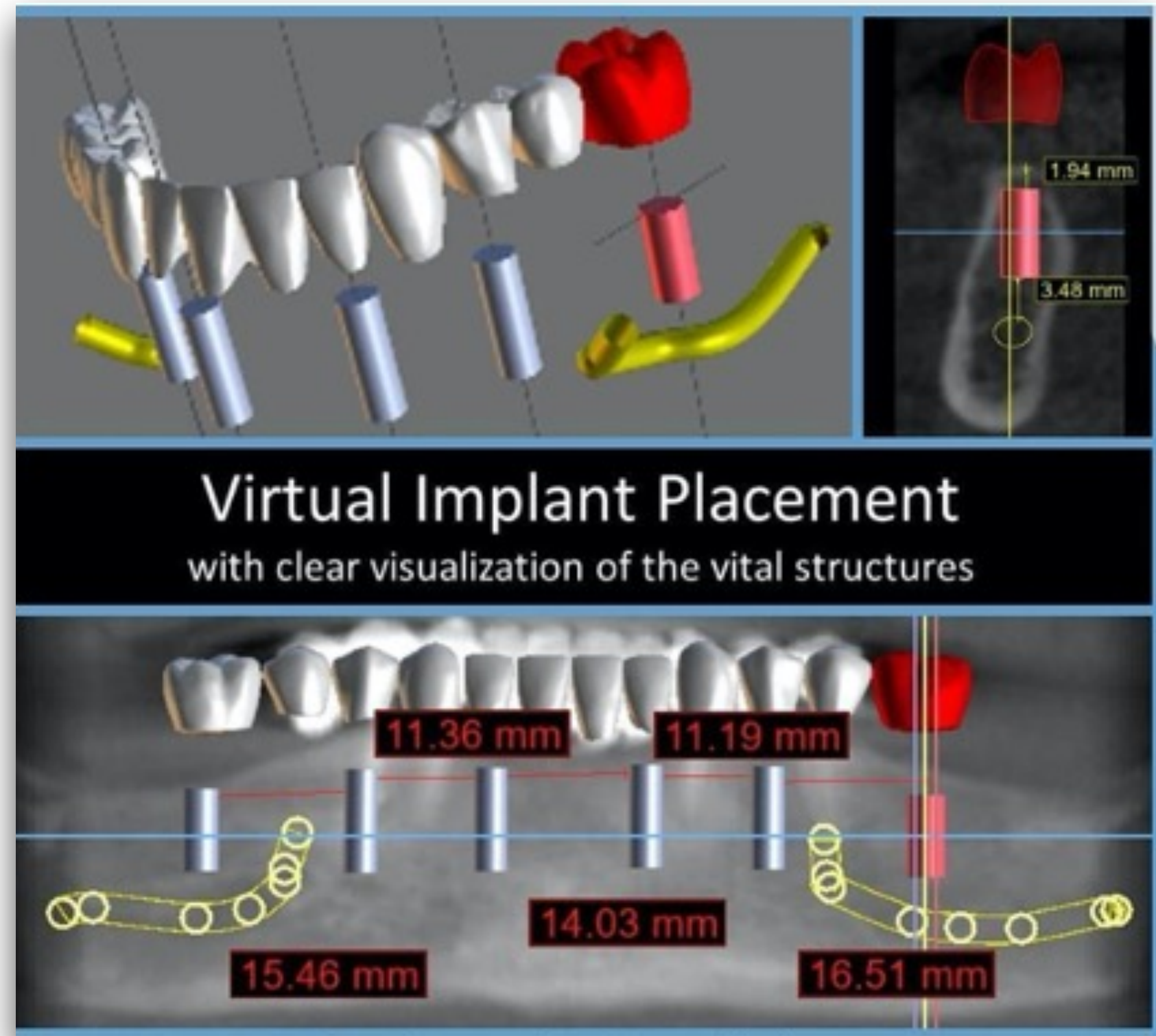
CBCT

STL file

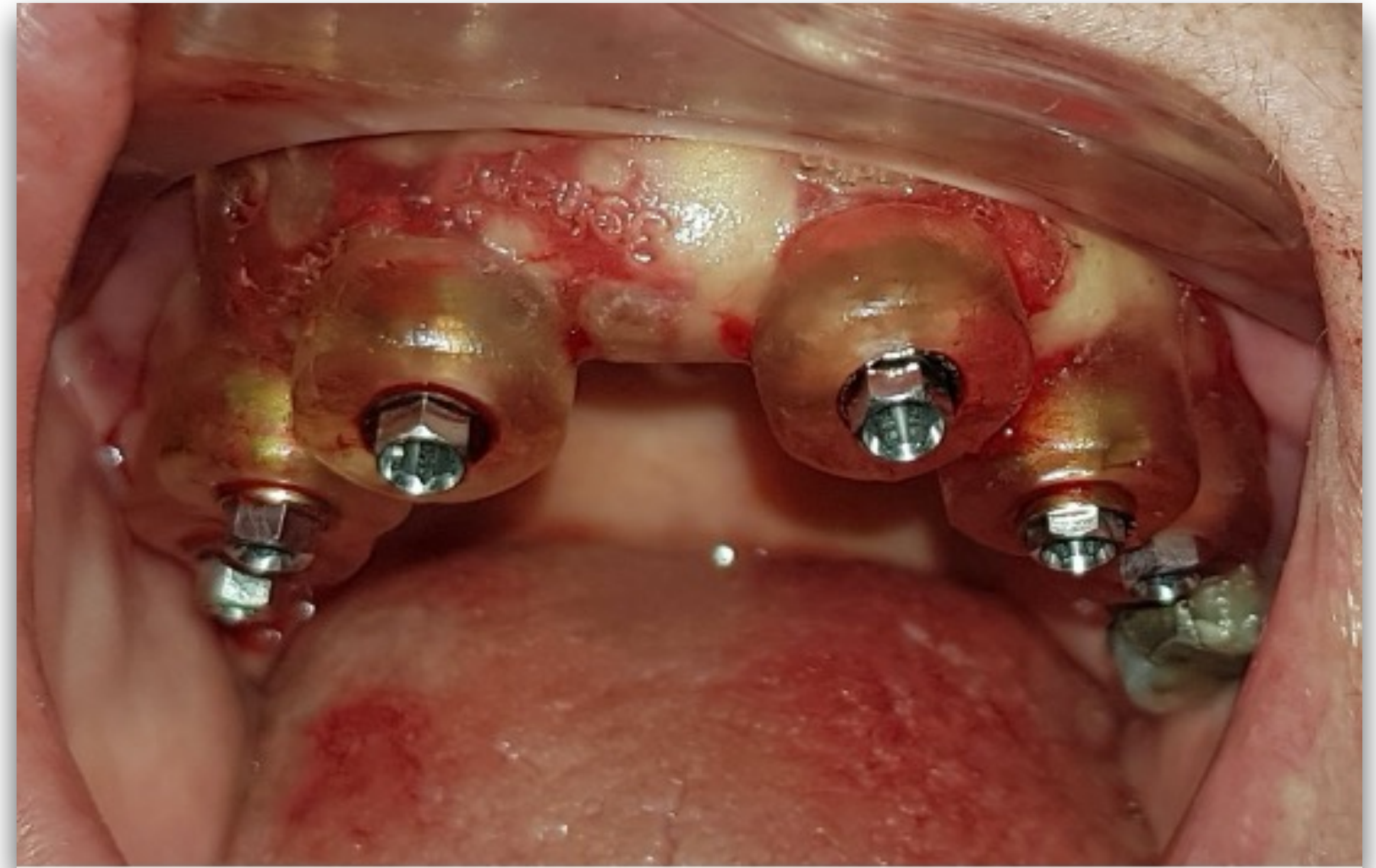


Guided Implant Placement

Treatment Planning

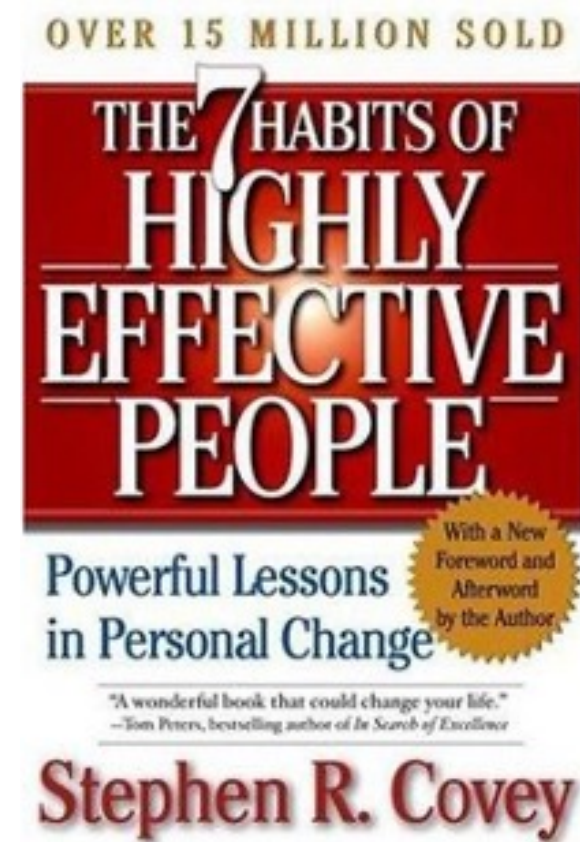


Virtual Planning Via Special Software



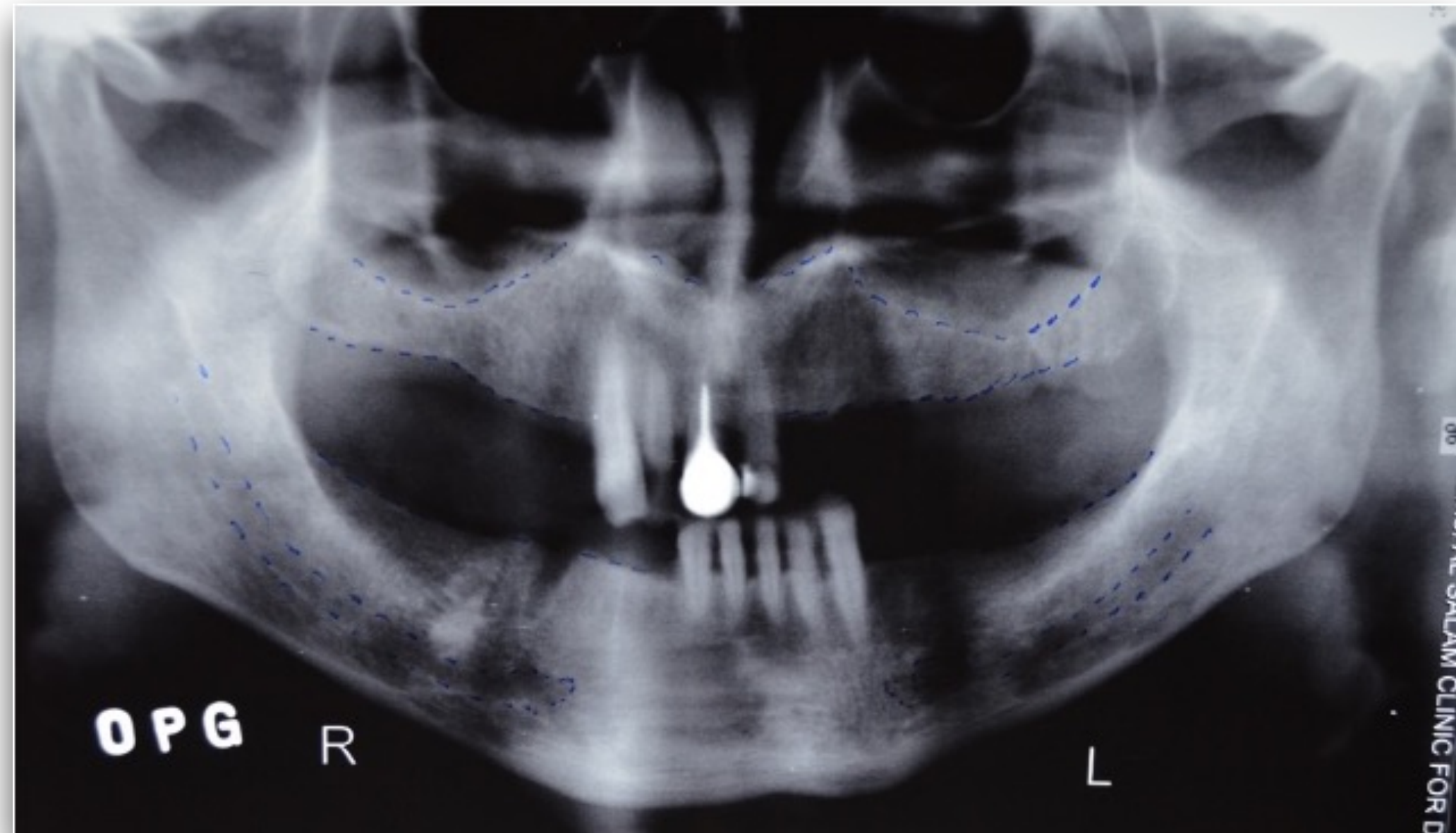
Guided Implant Placement

Treatment Planning



“BEGIN
WITH
THE END
IN MIND”

Treatment Planning



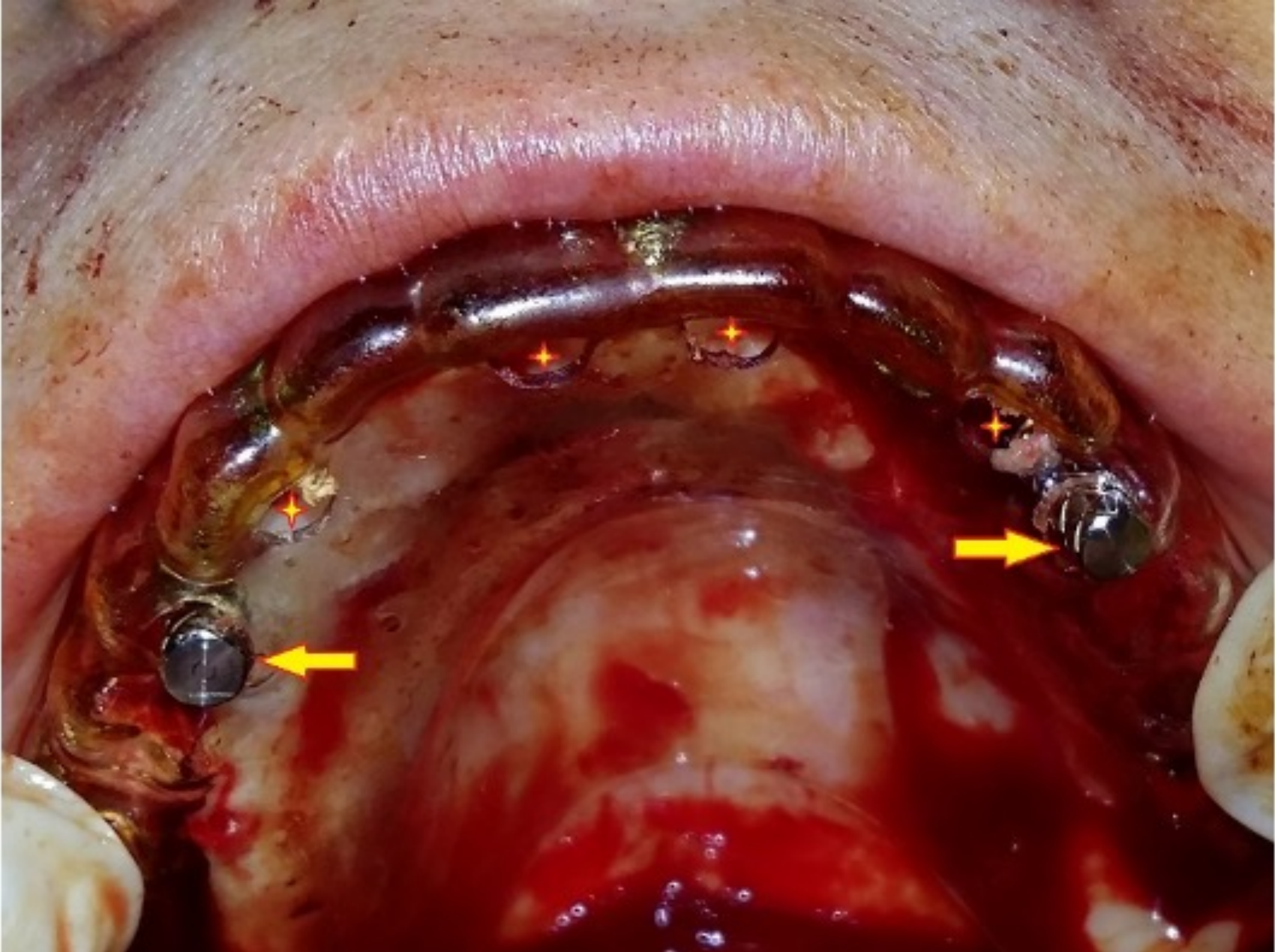
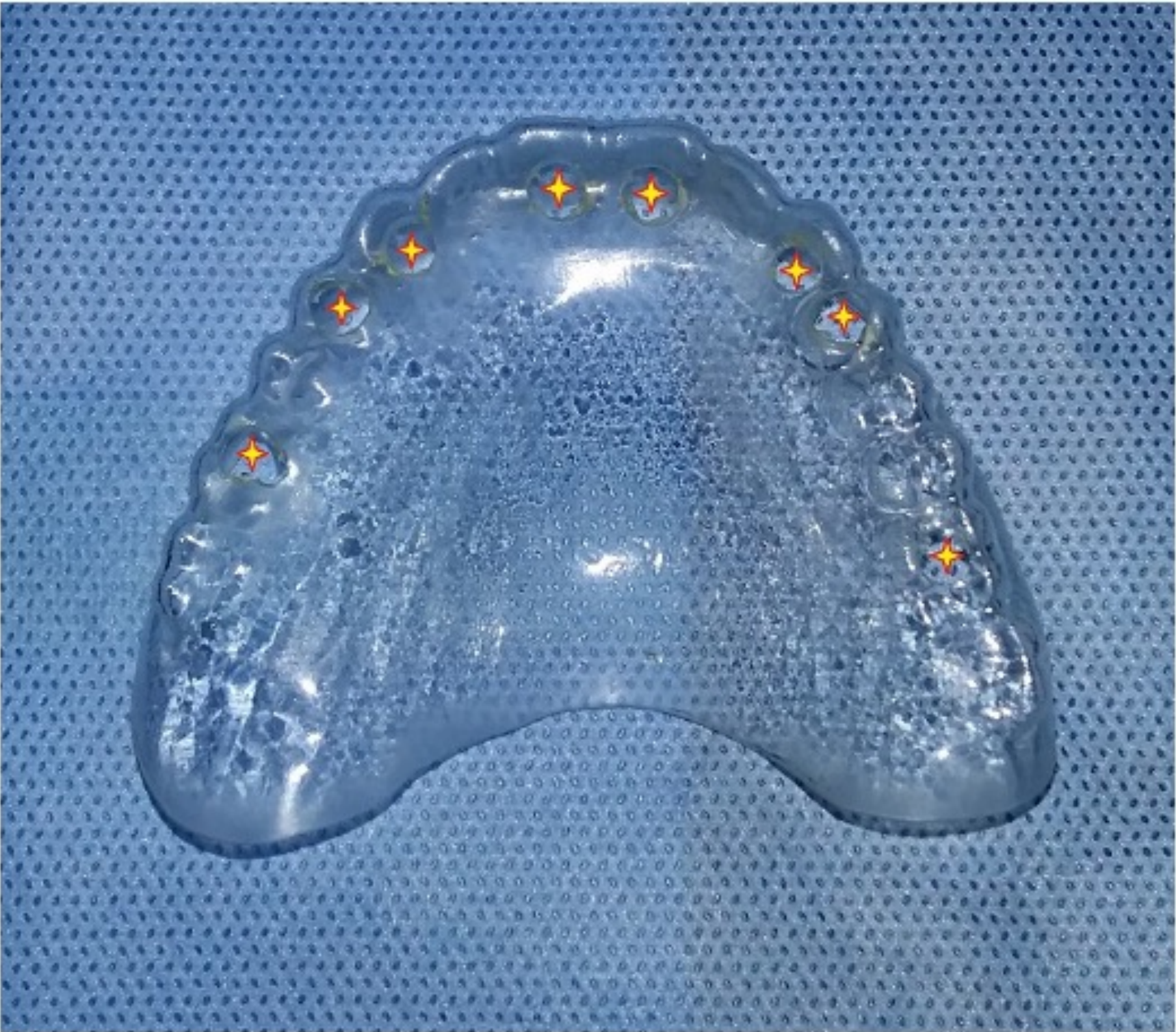
Evolution

Treatment Planning



Planning

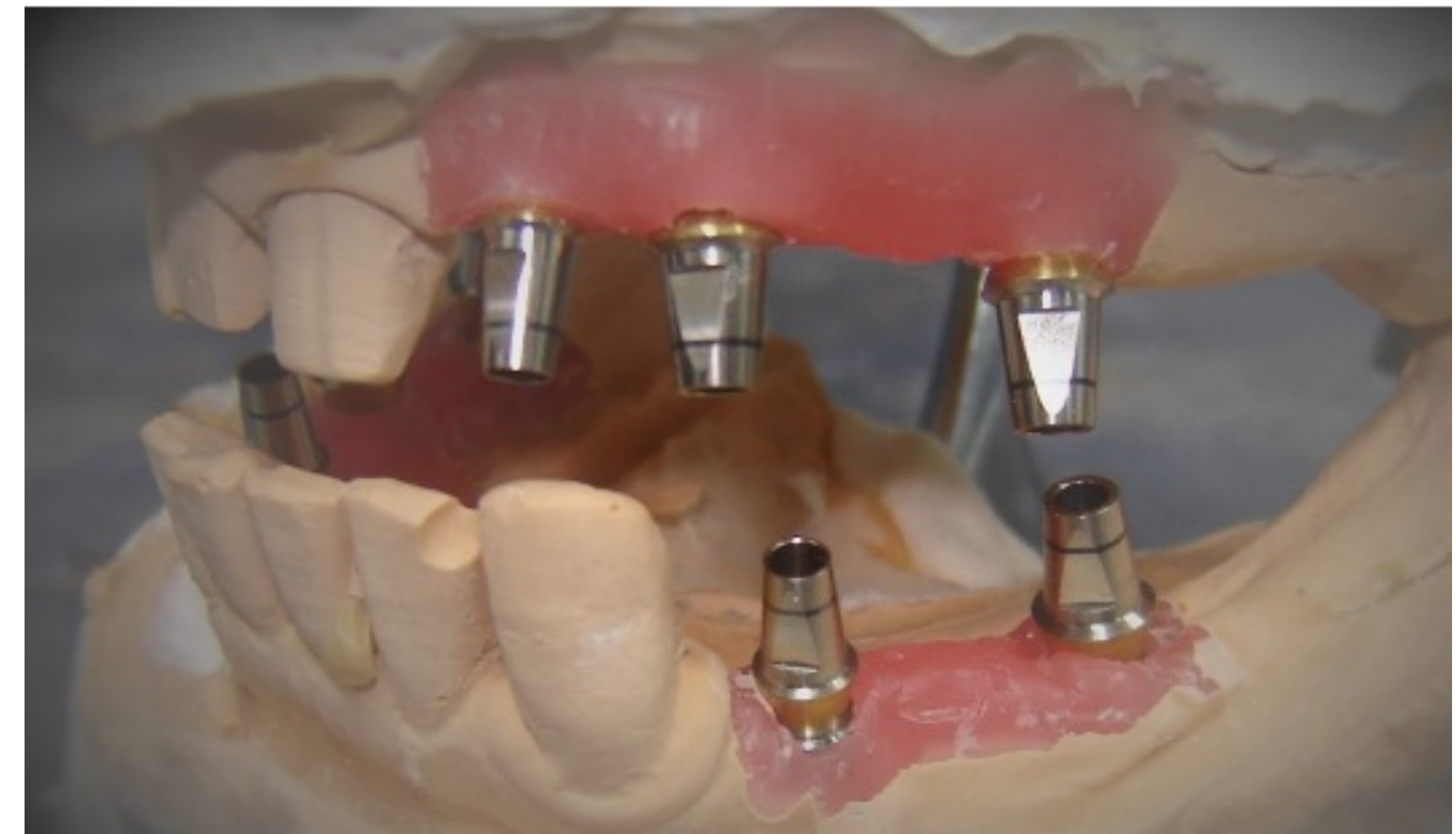
Execution





Easier Surgery

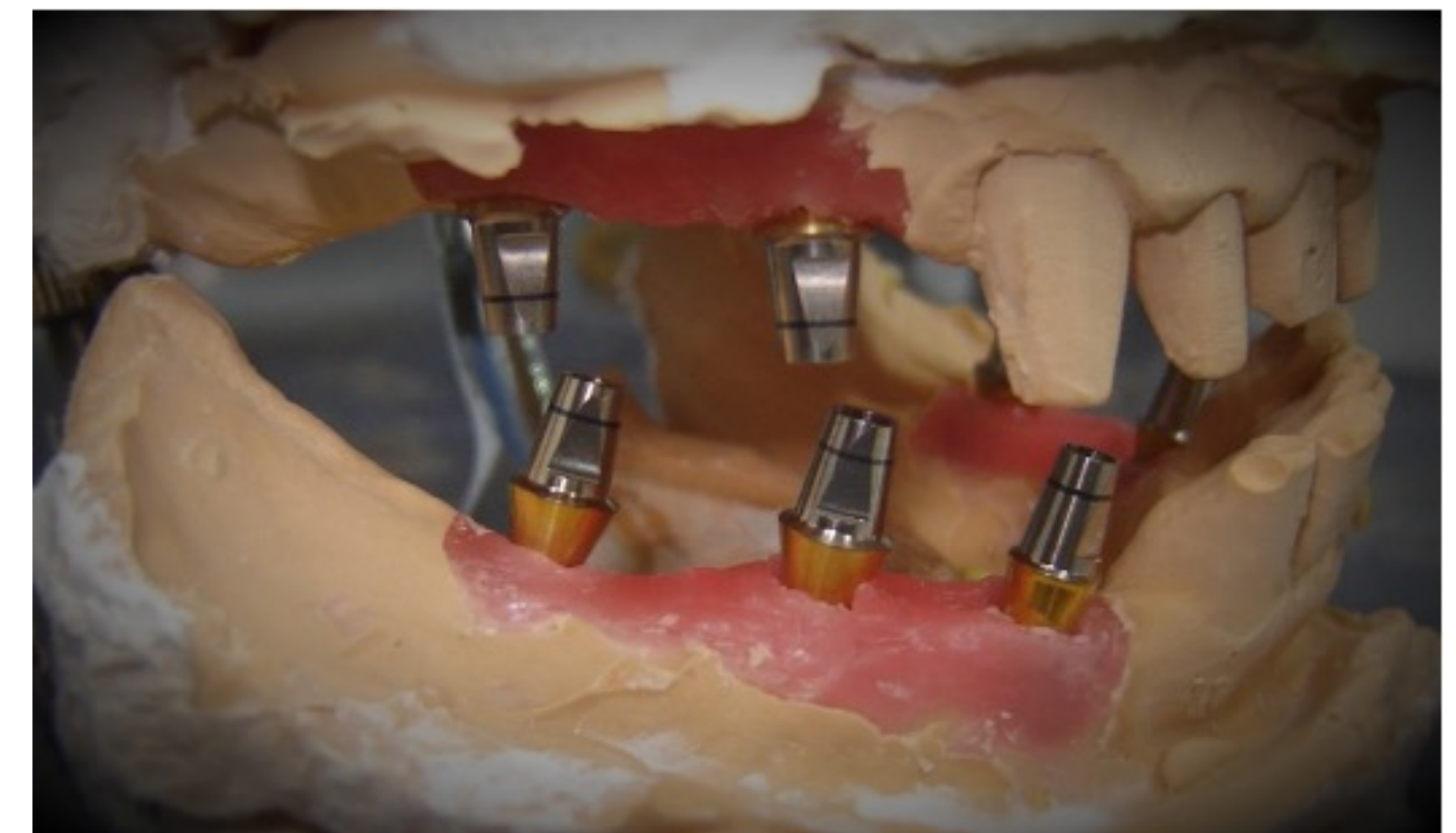
Good Planning

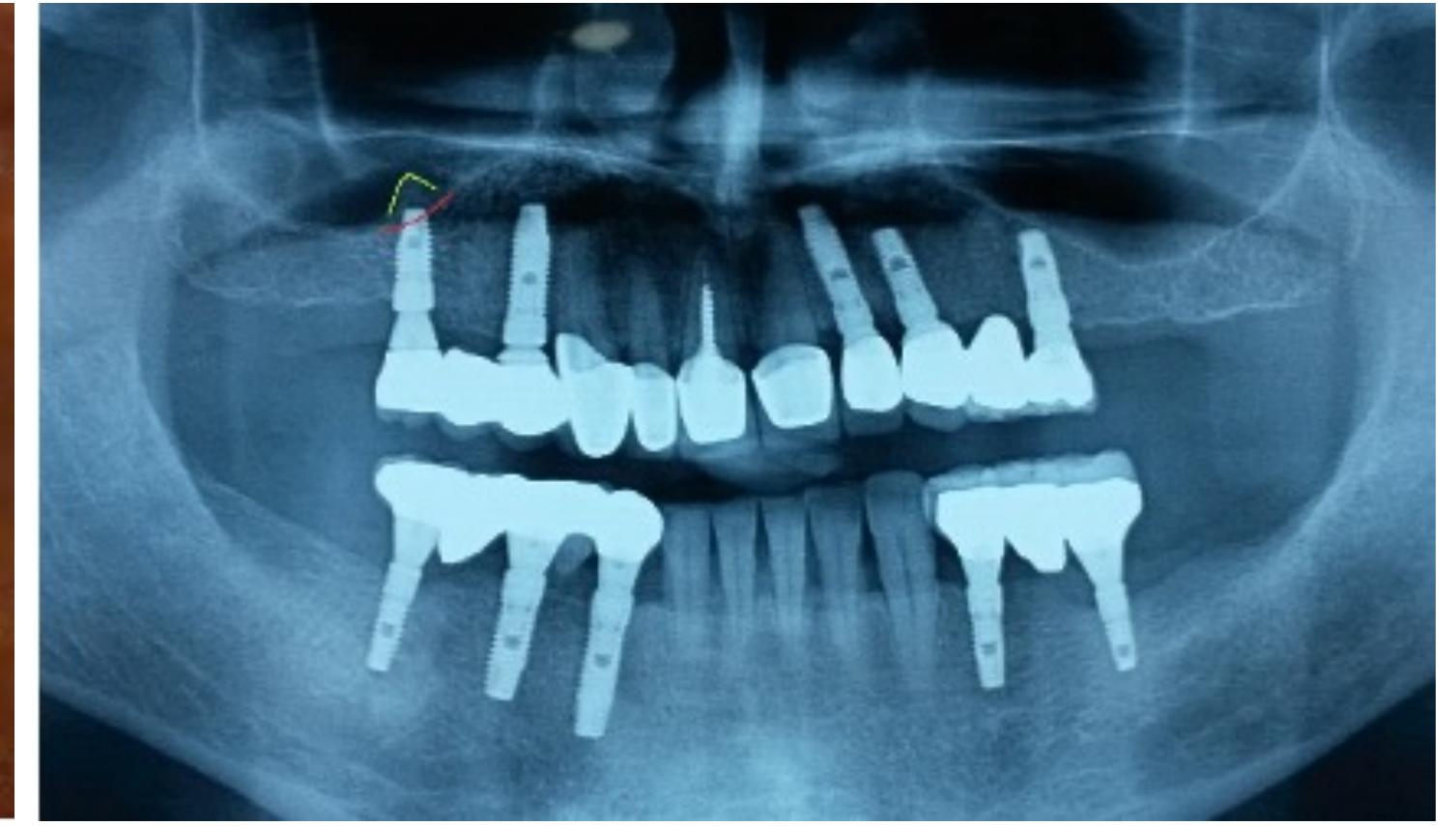


Better Prosthodontics



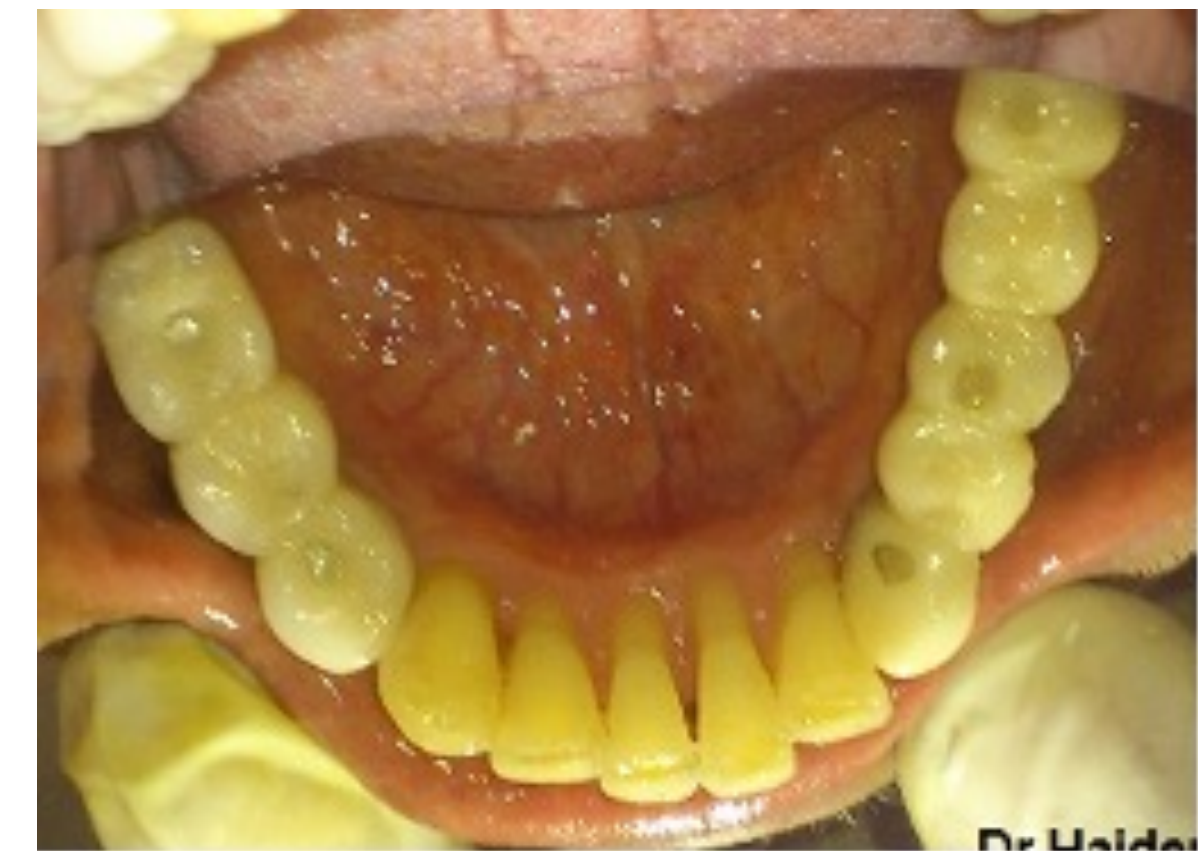
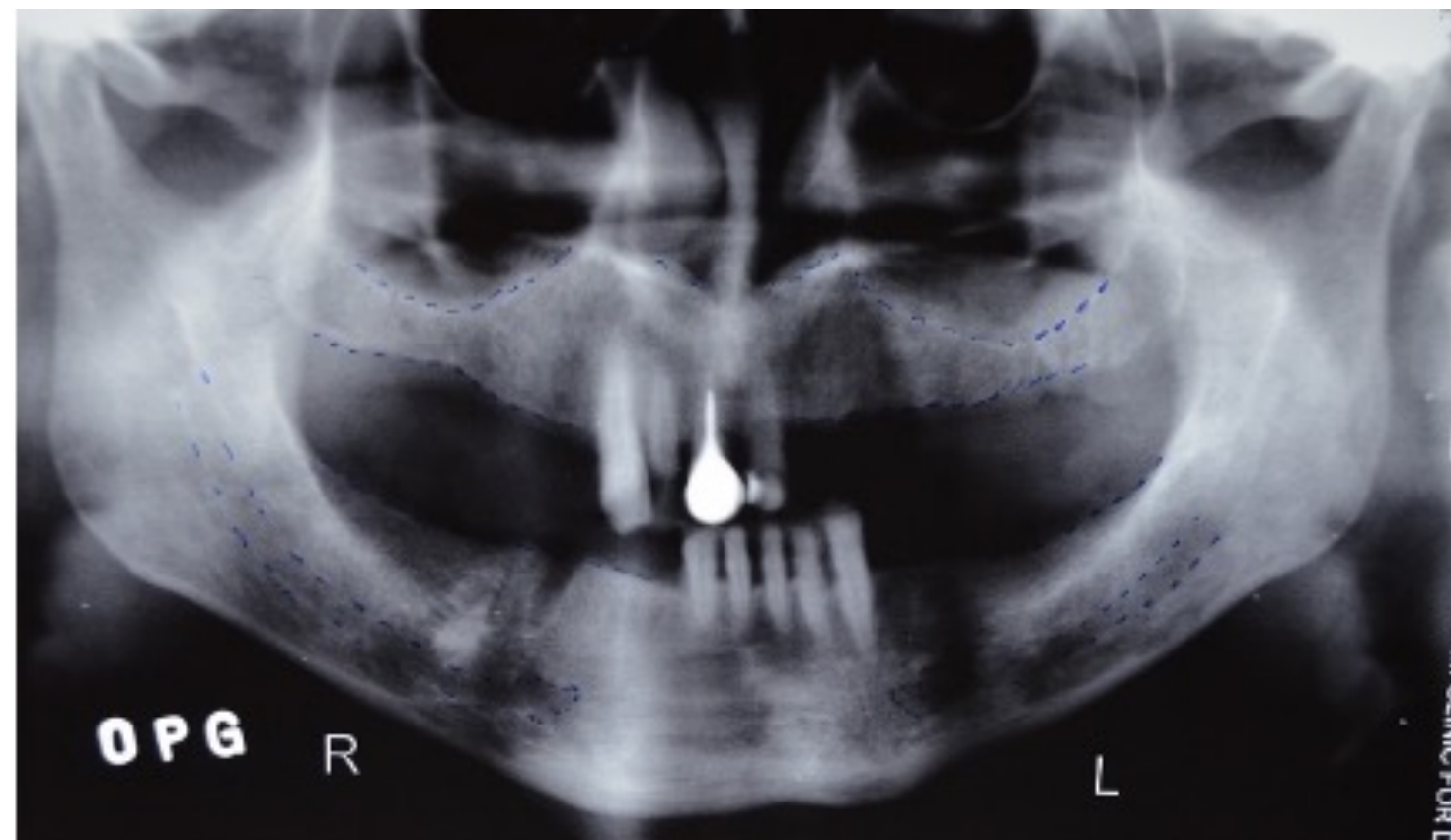
Less Complication





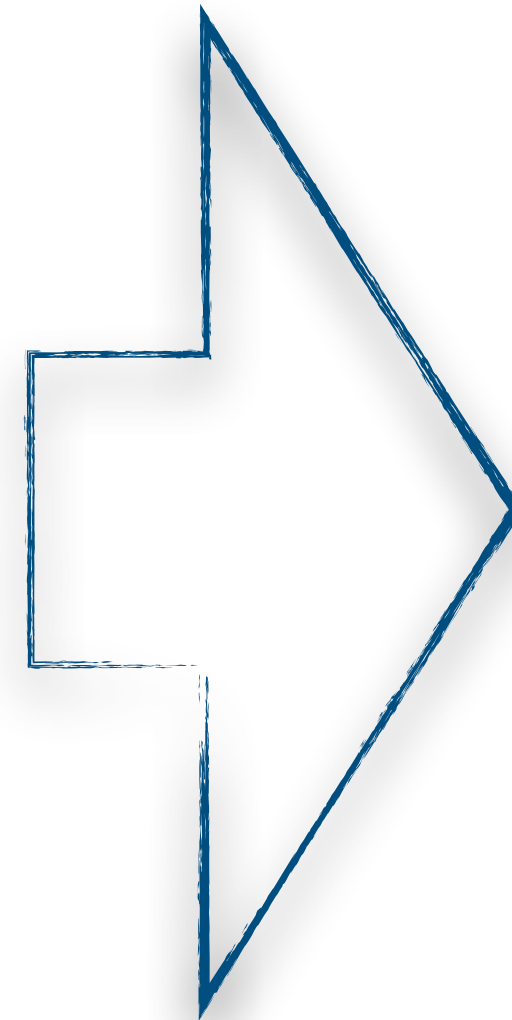
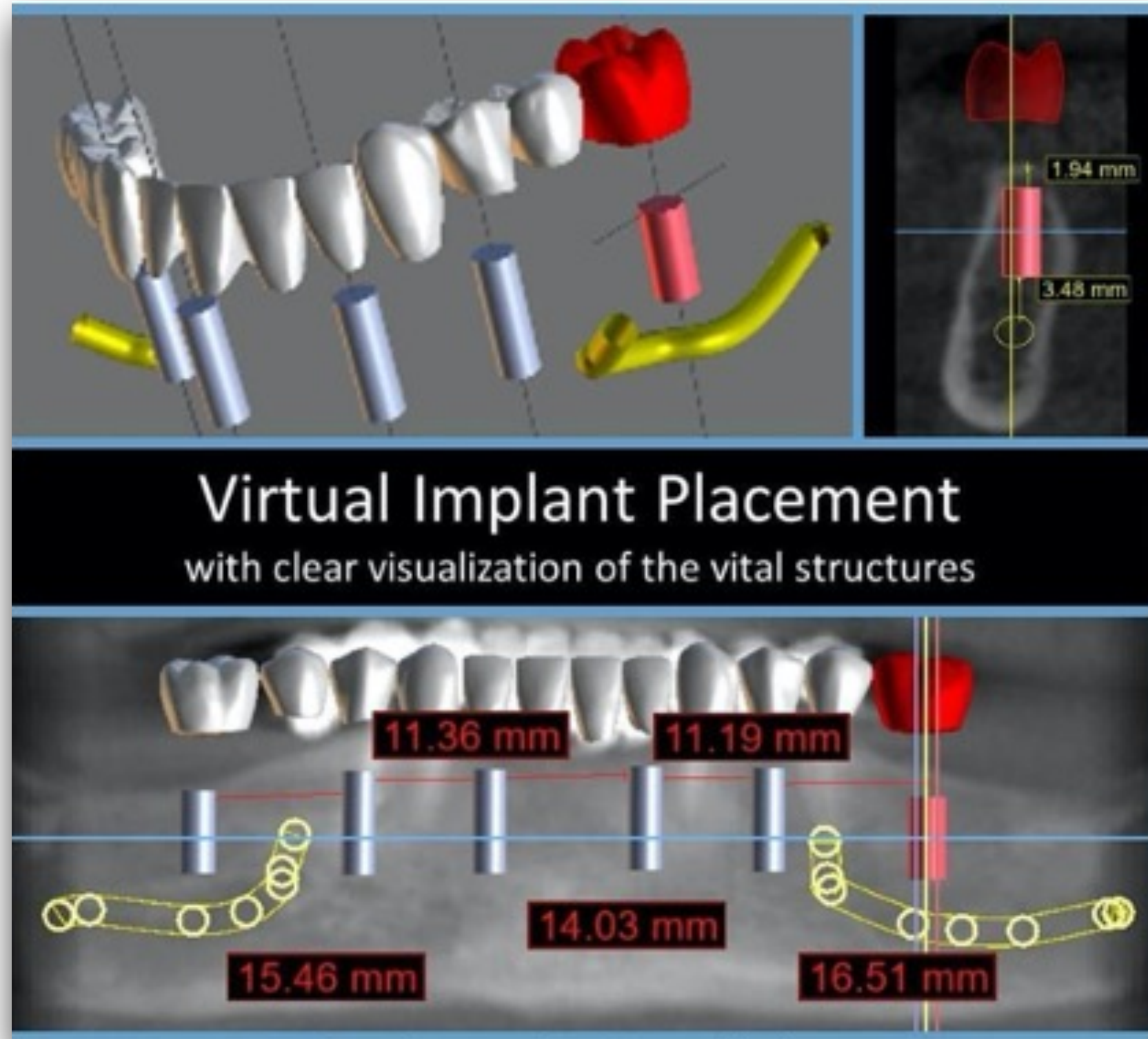
**Time Spent In
Planning Is**

Never Wasted



Treatment Planning

The Digital Way

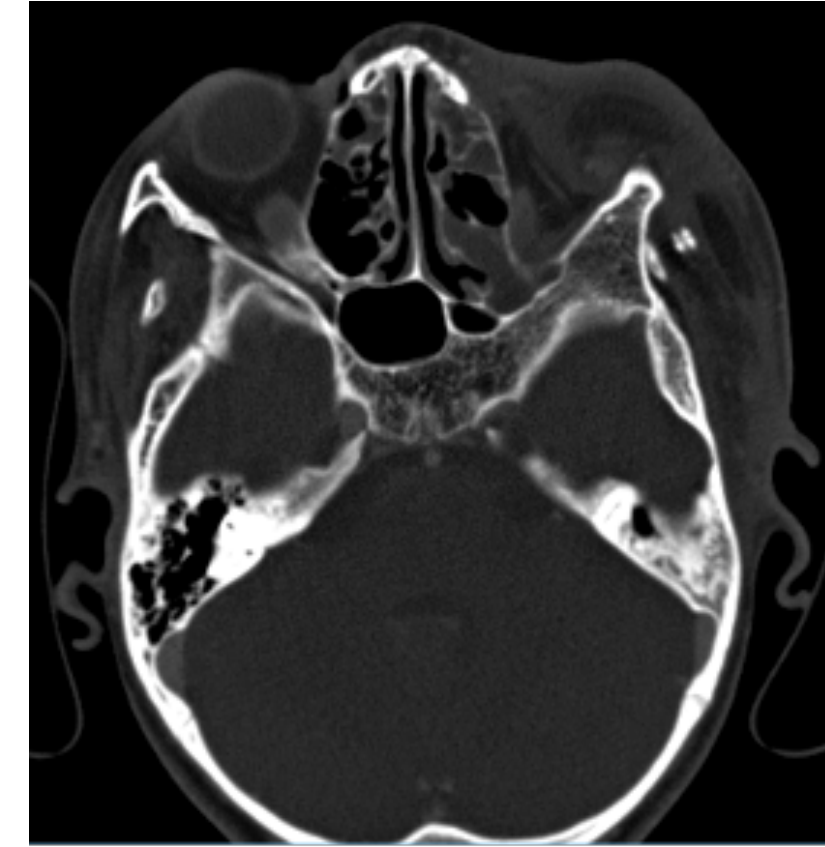


Treatment Planning The Digital Way

Terminology

DICOM File

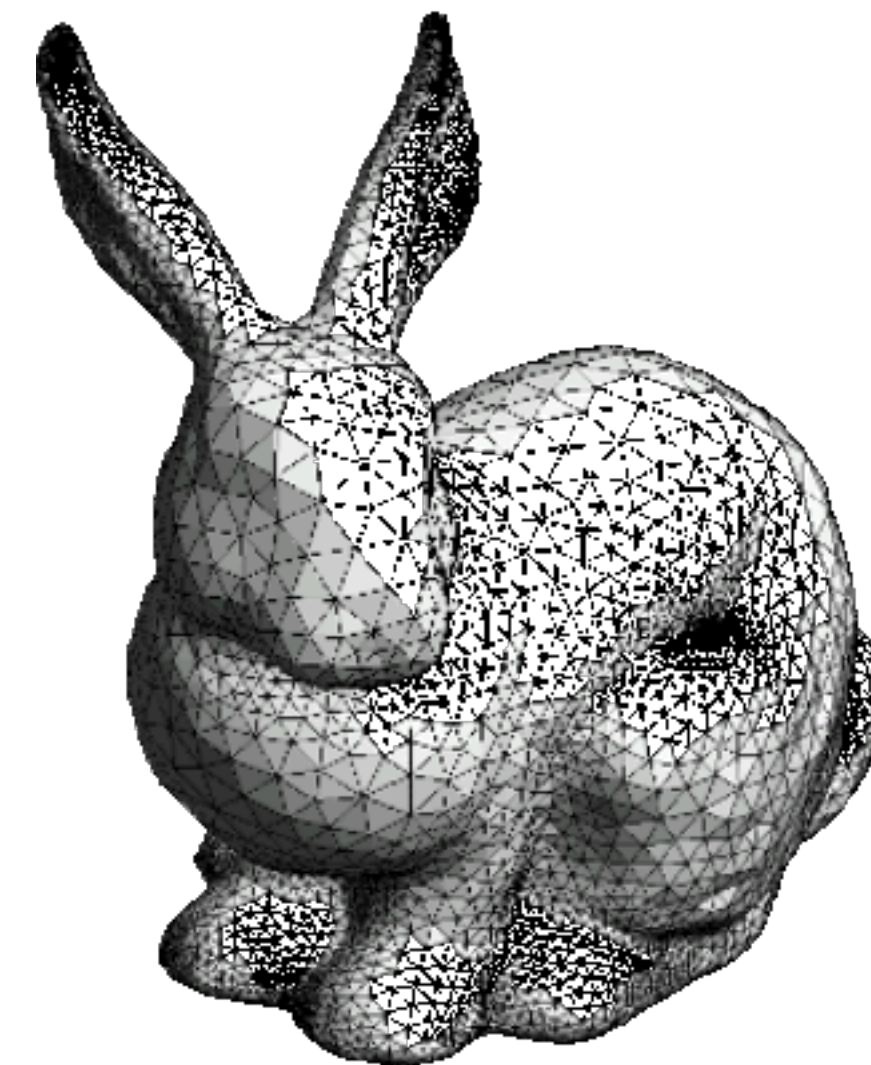
Digital Imaging and Communications in Medicine



STL File

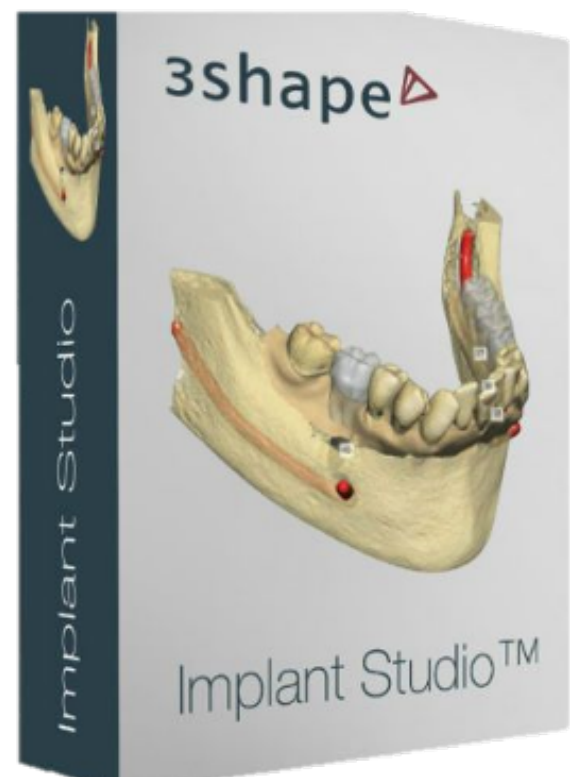
Standard Tessellation (Triangular) Language

Stereolithography



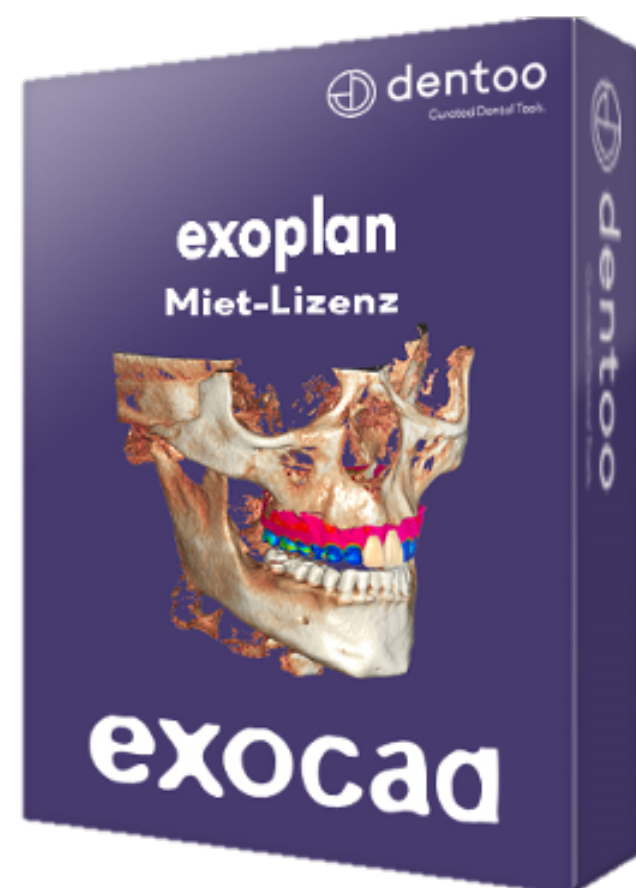
Treatment Planning The Digital Way

Planning Softwares



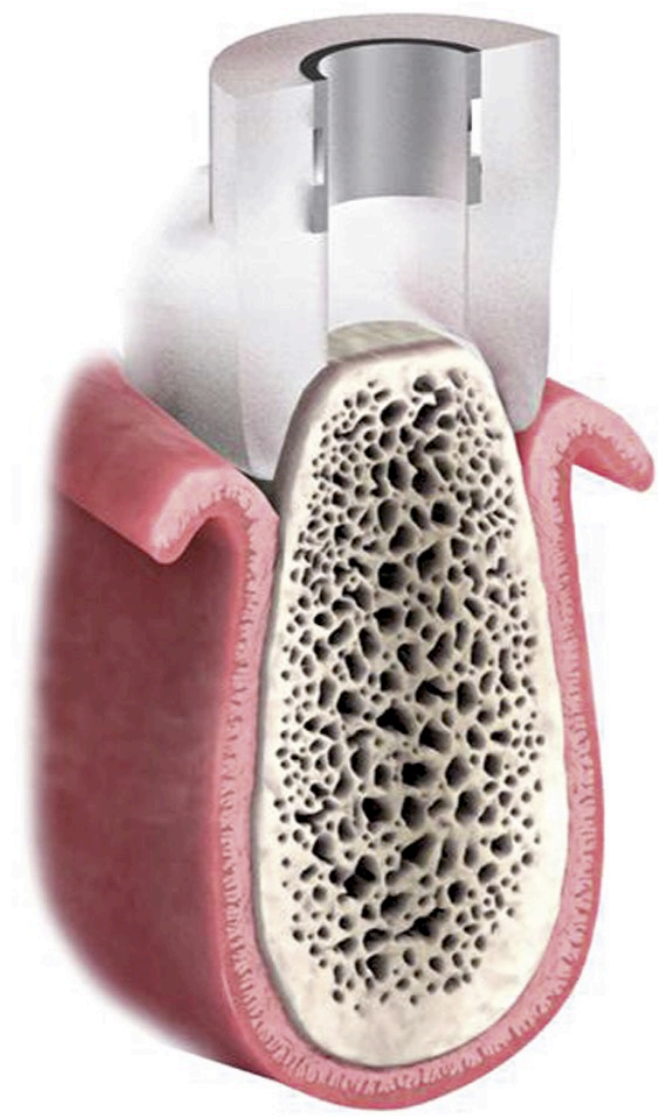
DigitalGuide

Dentium
For Dentists By Dentists

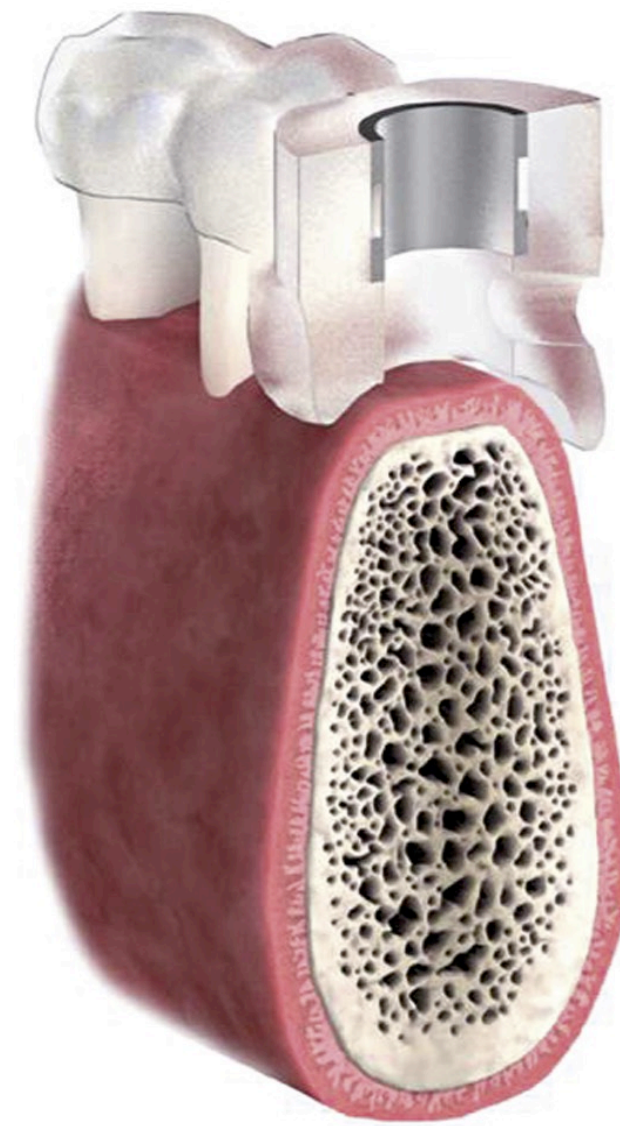


Treatment Planning The Digital Way

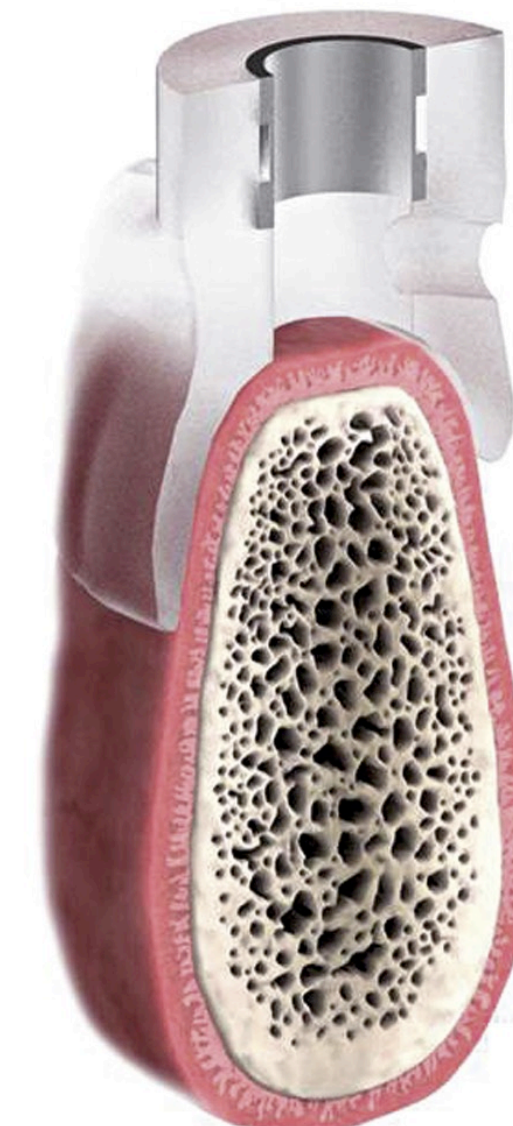
Surgical Guide Types



Bone Supported



Tooth Supported



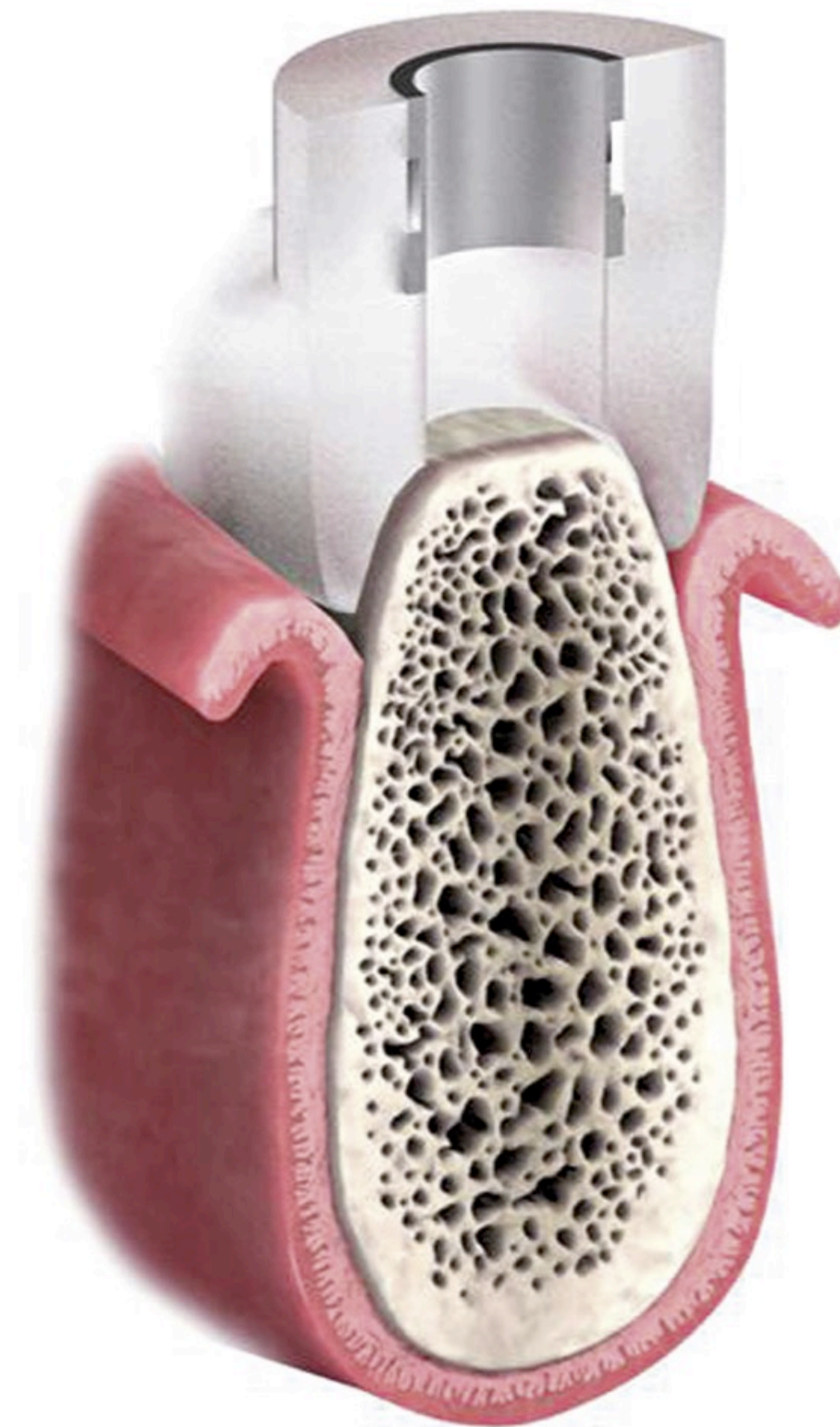
Mucosa Supported

Treatment Planning *The Digital Way*

Surgical Guide Types Bone Supported

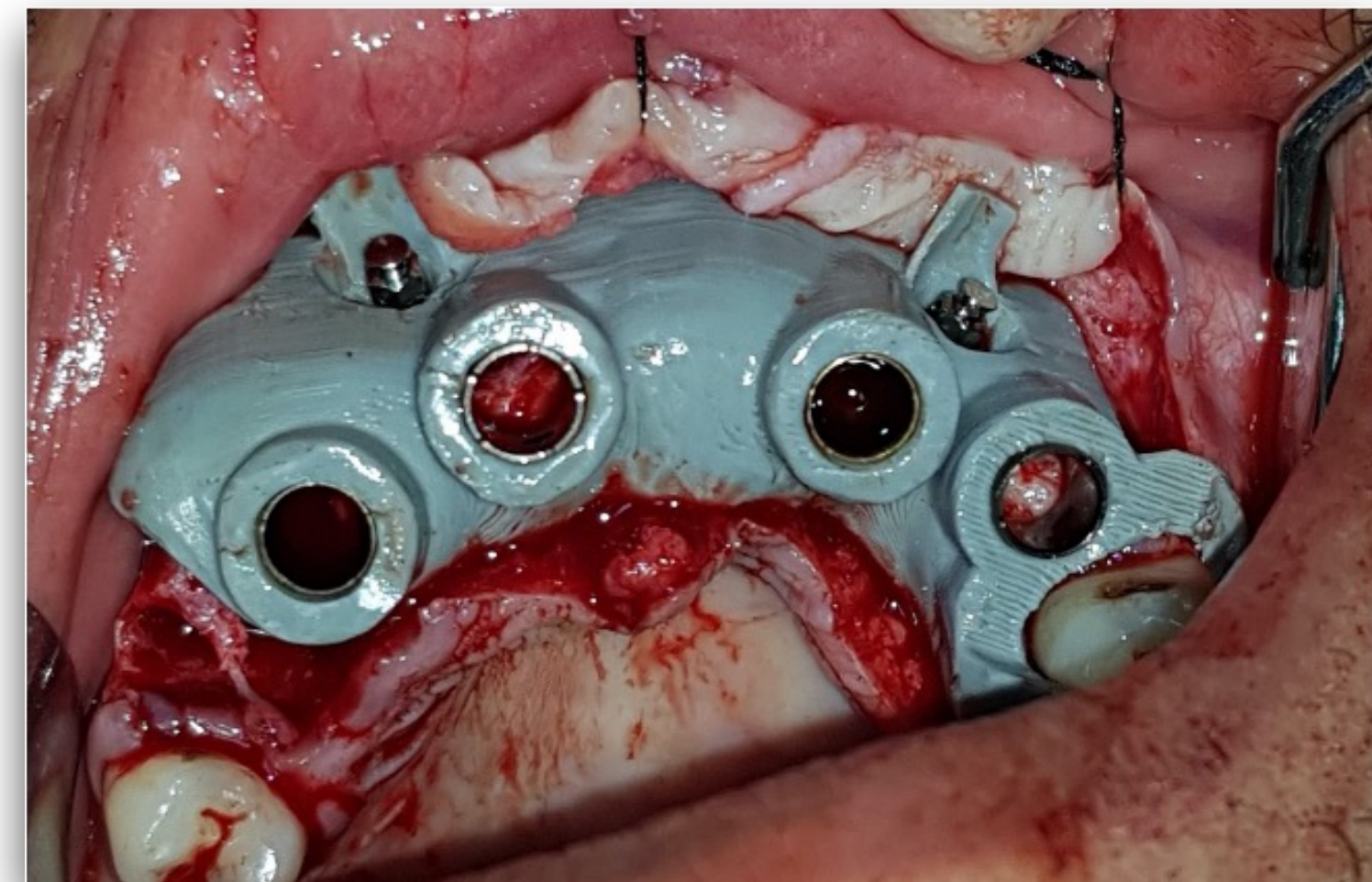
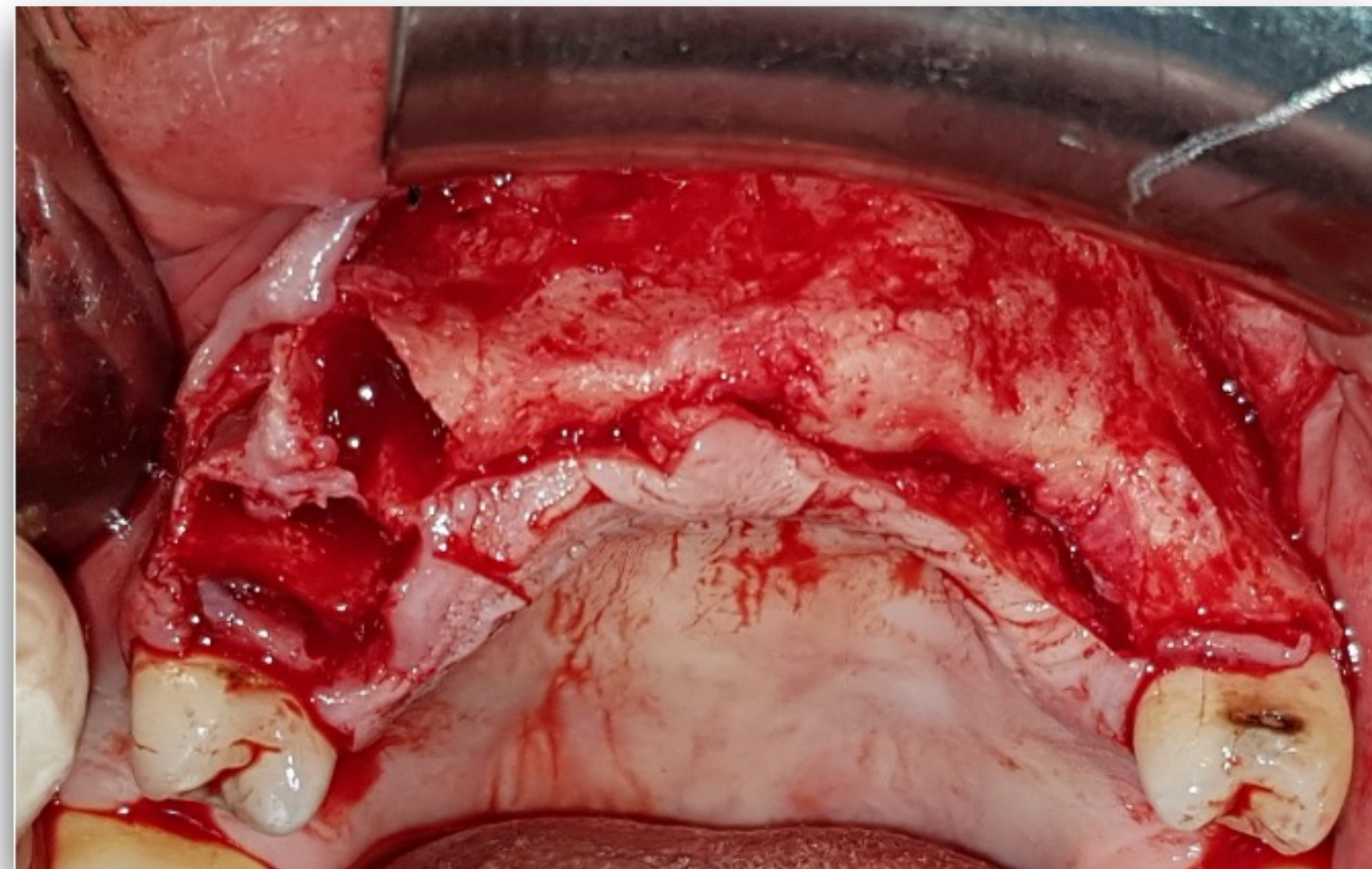
What Do We Need For the GIS?

Only Patient CBCT
DICOM File



Treatment Planning *The Digital Way*

Surgical Guide Types Bone Supported

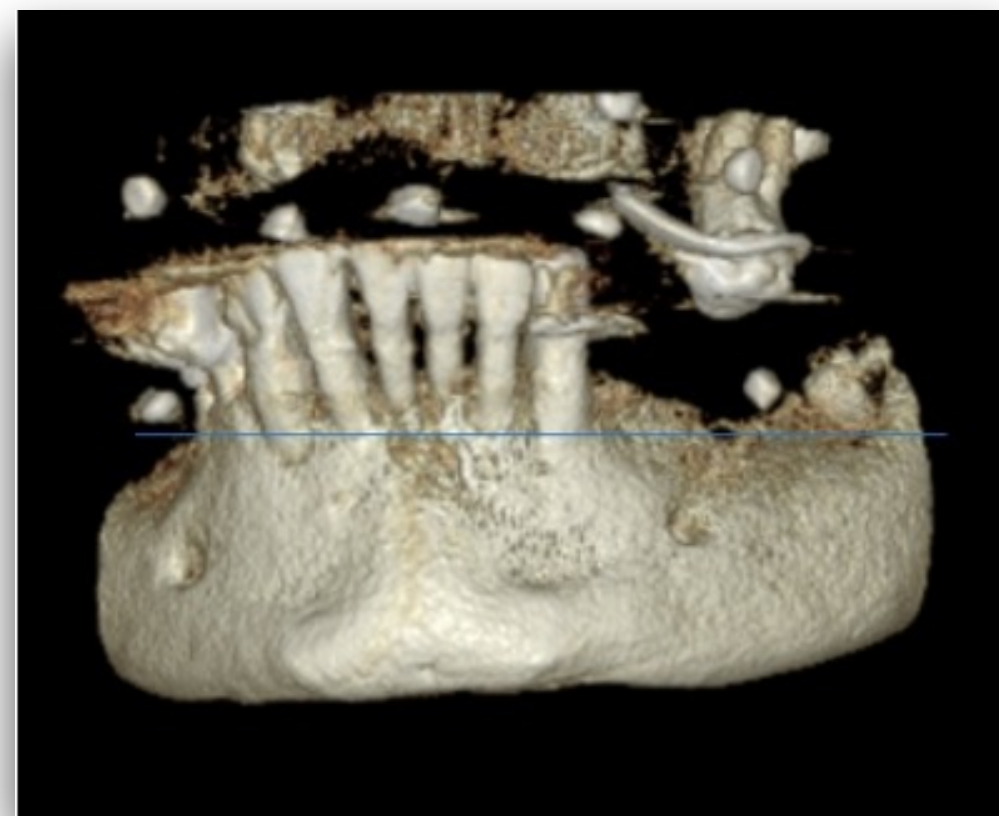
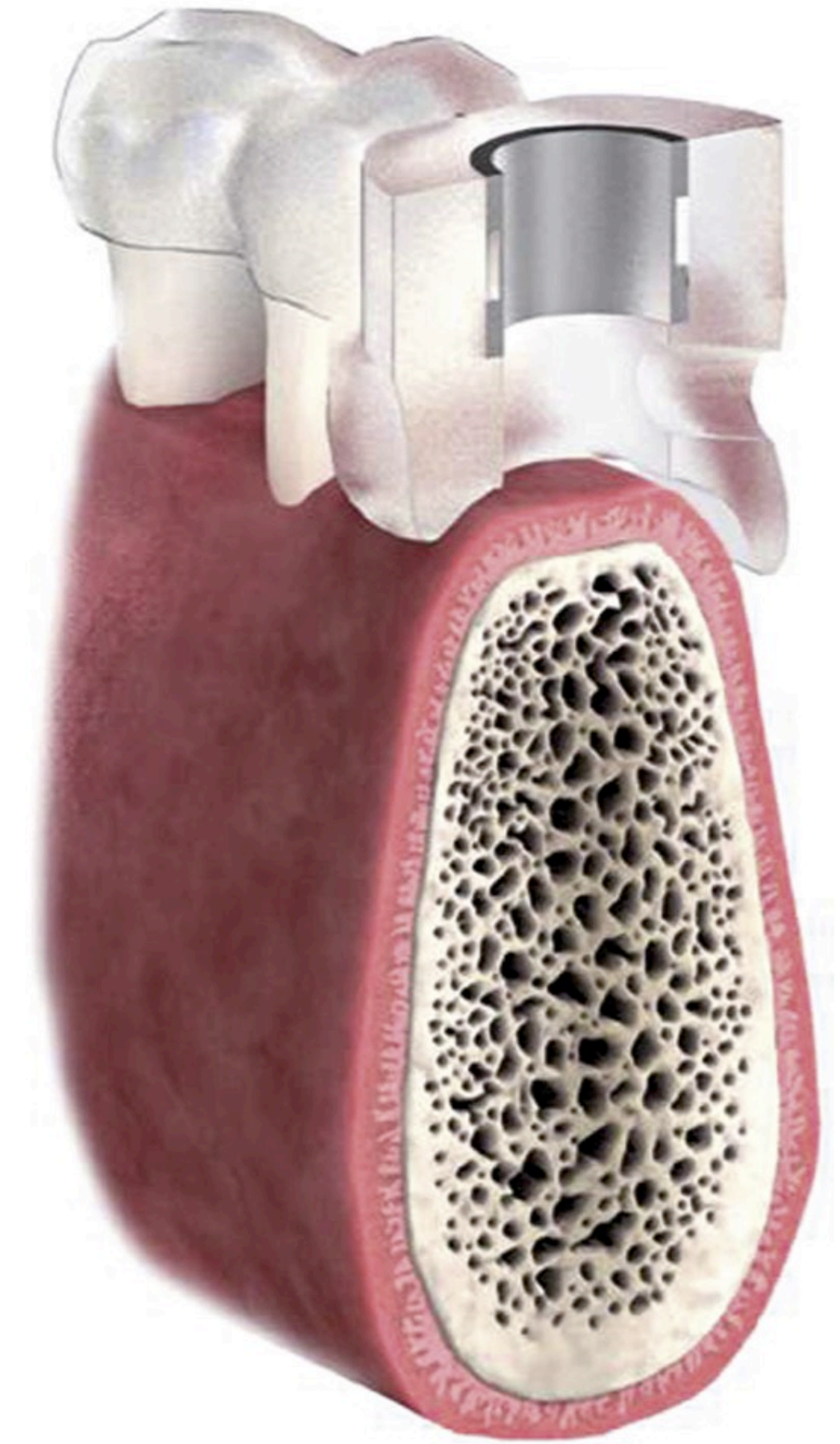


Only Patient CBCT
DICOM File

Treatment Planning The Digital Way

Surgical Guide Types Tooth Supported

What Do We Need For the GIS?



DICOM File



STL File

Treatment Planning *The Digital Way*

Surgical Guide Types Tooth Supported

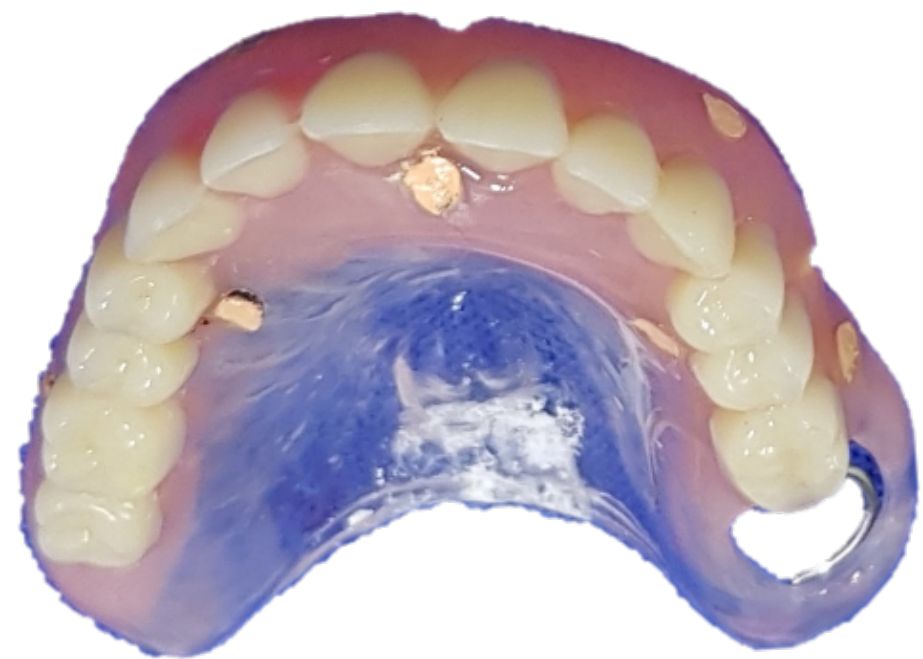


Guided Implant Surgery

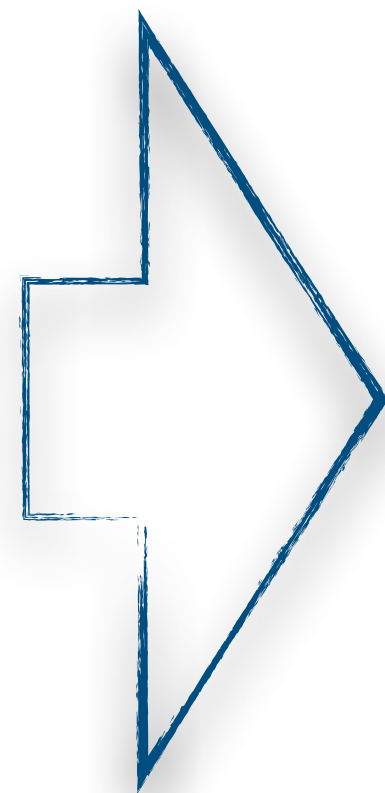
Treatment Planning The Digital Way

Surgical Guide Types Mucosa Supported

What Do We Need For the GIS?



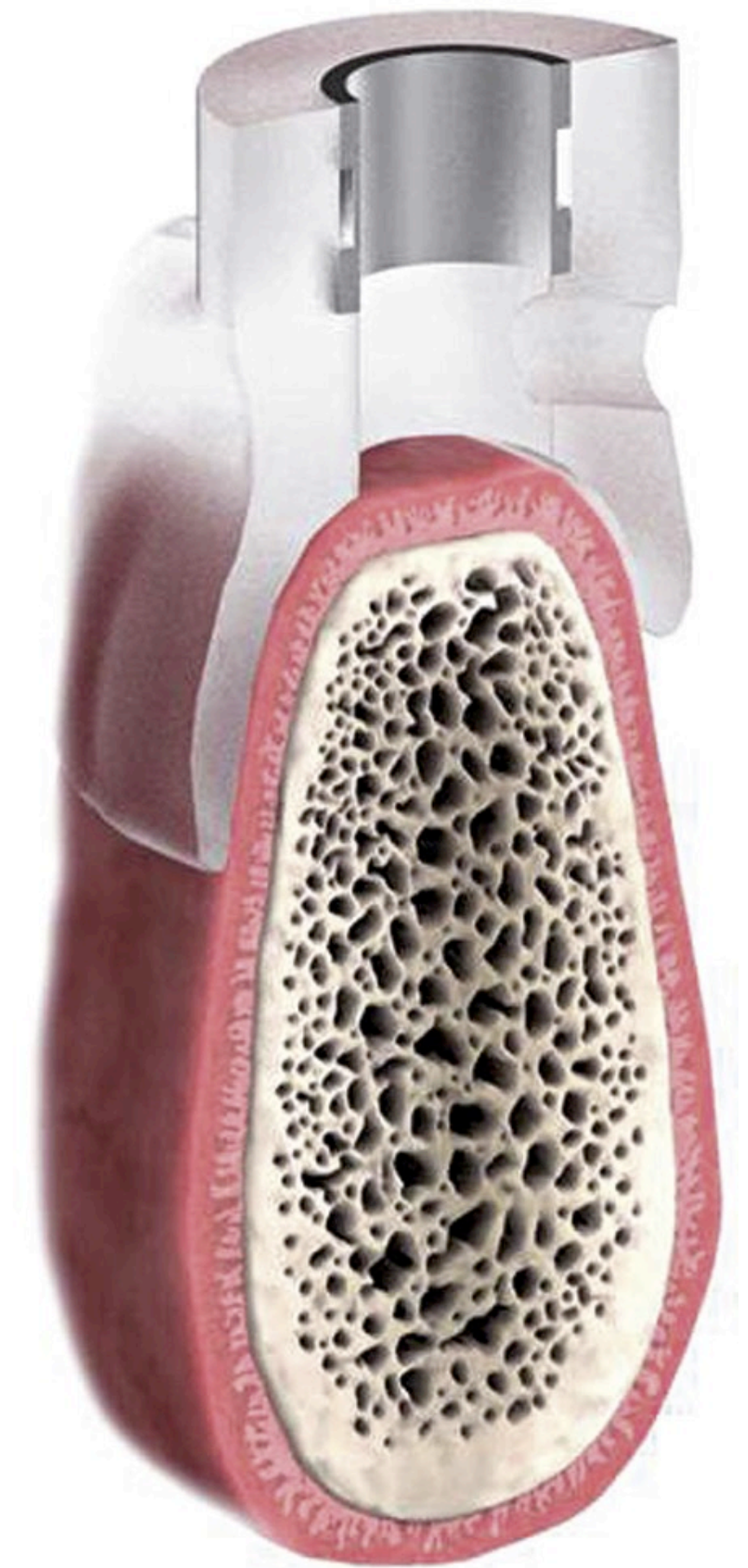
Scan Appliance



Patient + Appliance

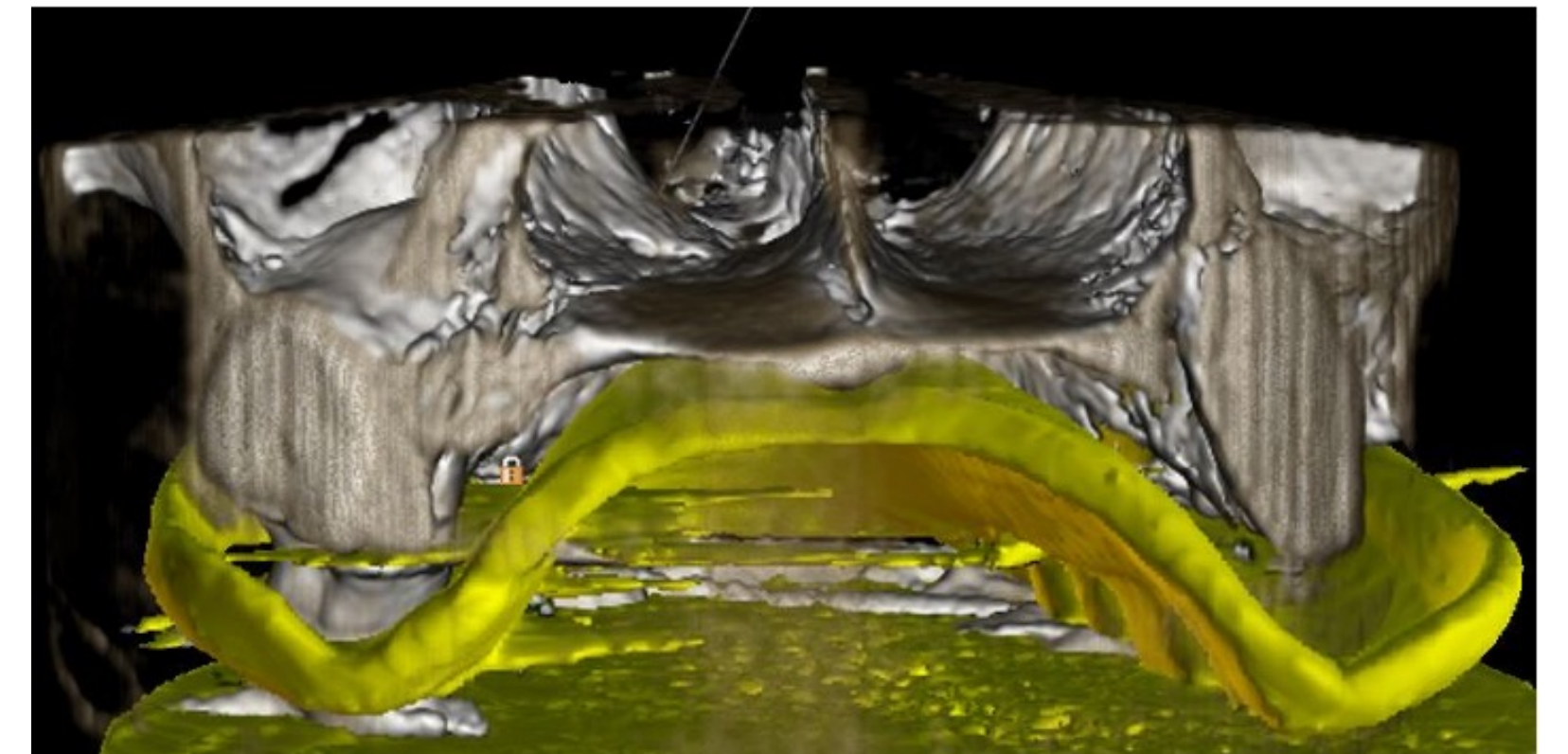
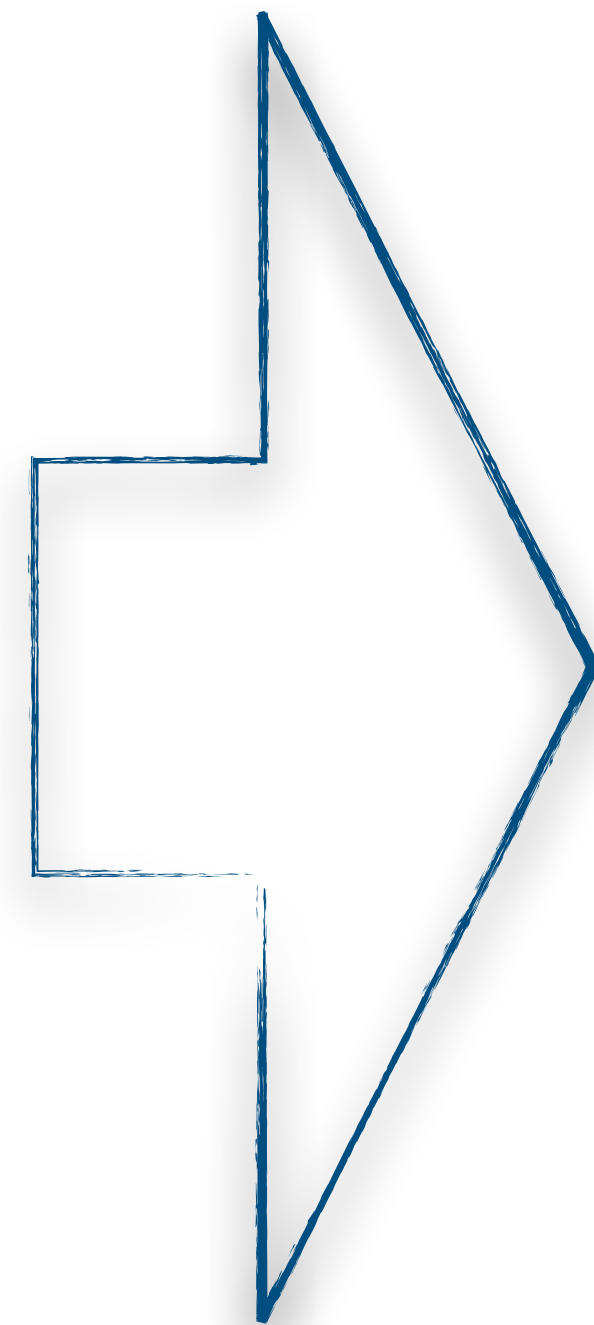
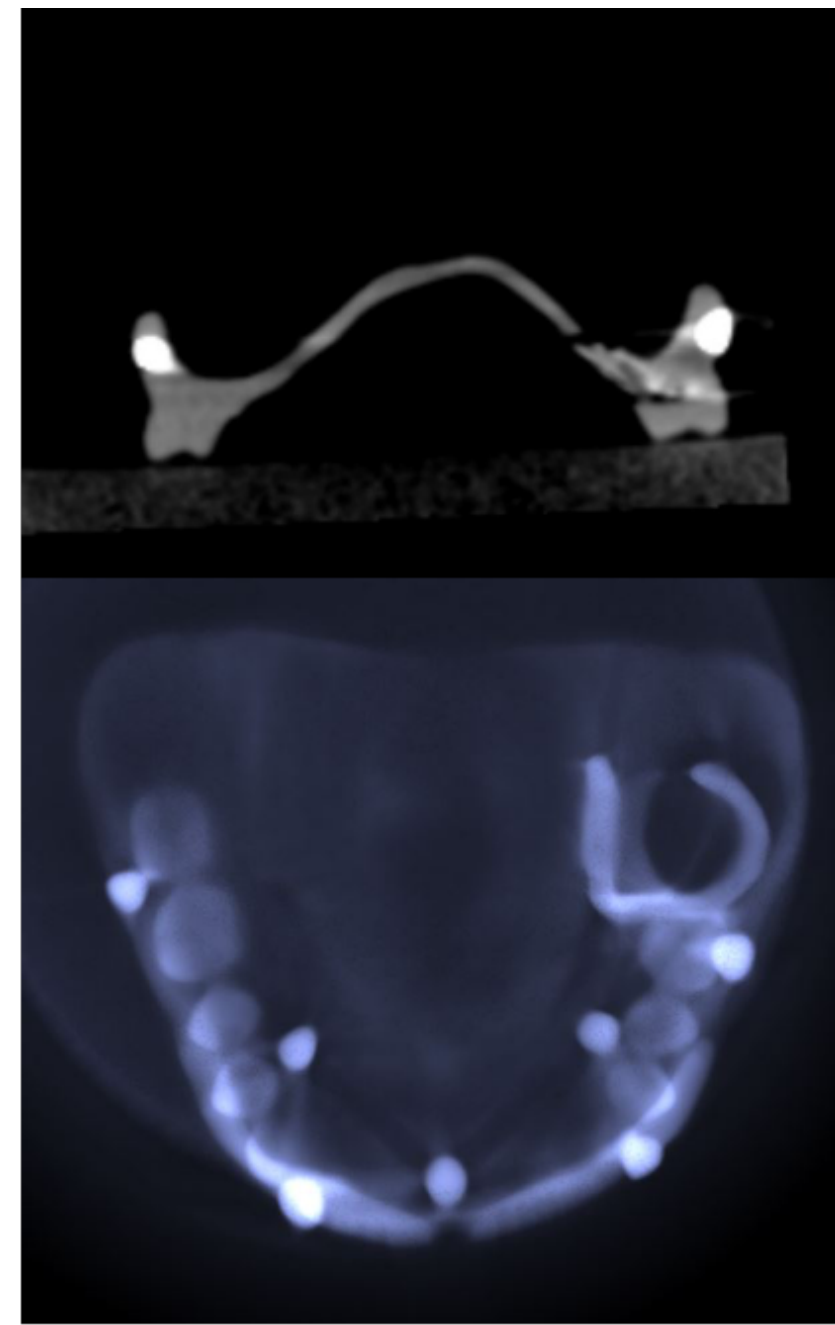
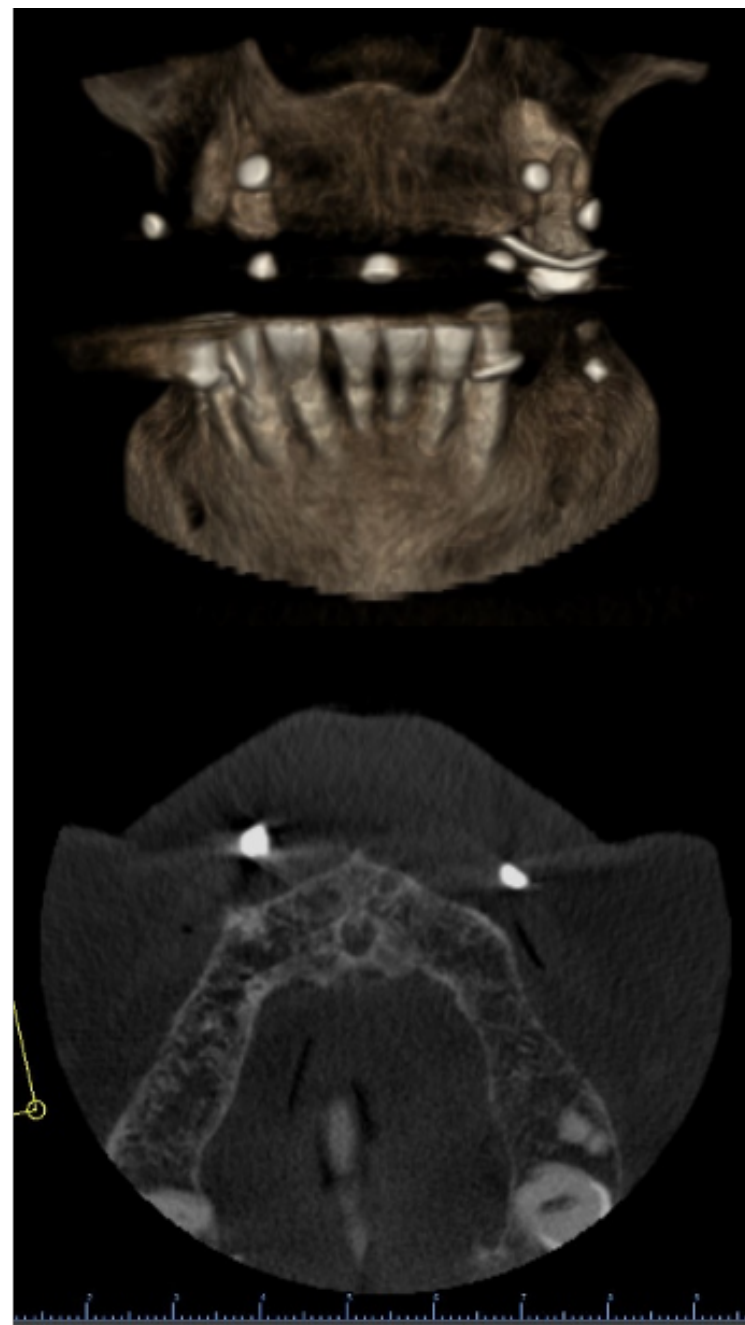


Appliance



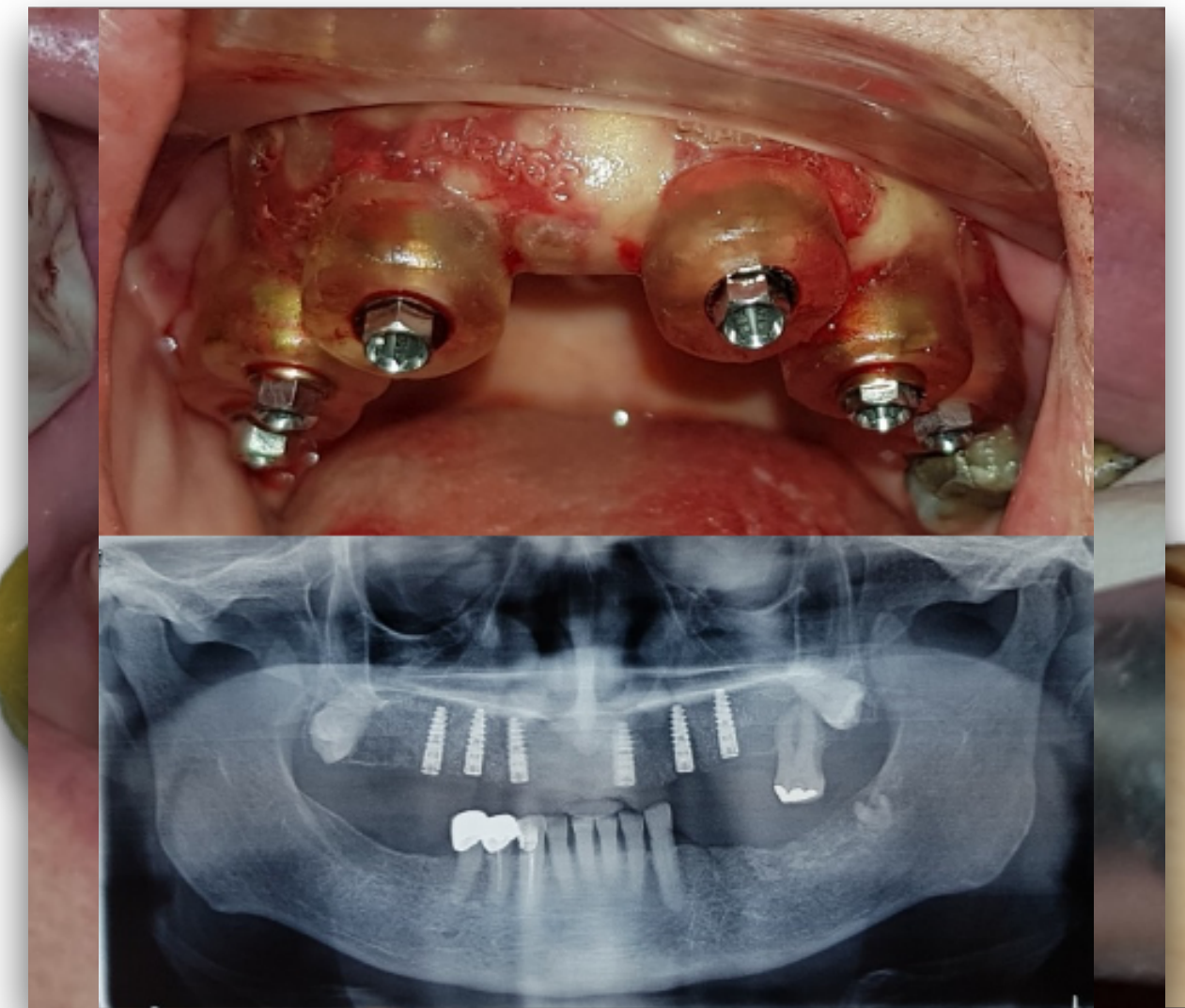
Treatment Planning *The Digital Way*

Surgical Guide Types Mucosa Supported



Treatment Planning The Digital Way

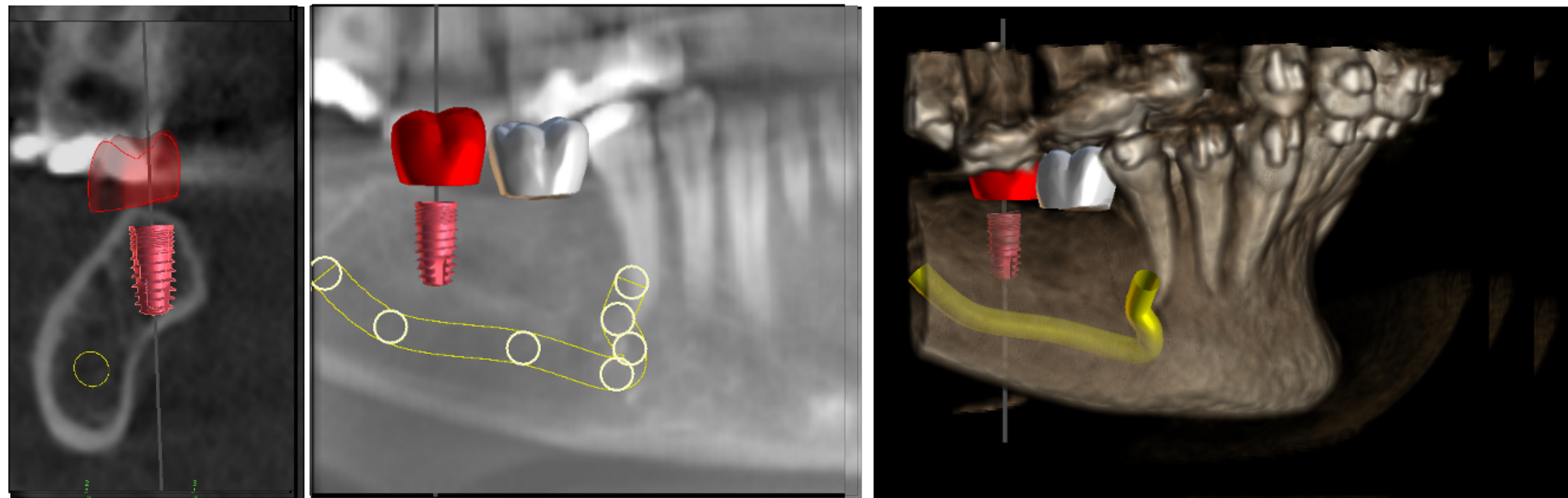
Surgical Guide Types Mucosa Supported



Guided Implant Surgery

Treatment Planning The Digital Way

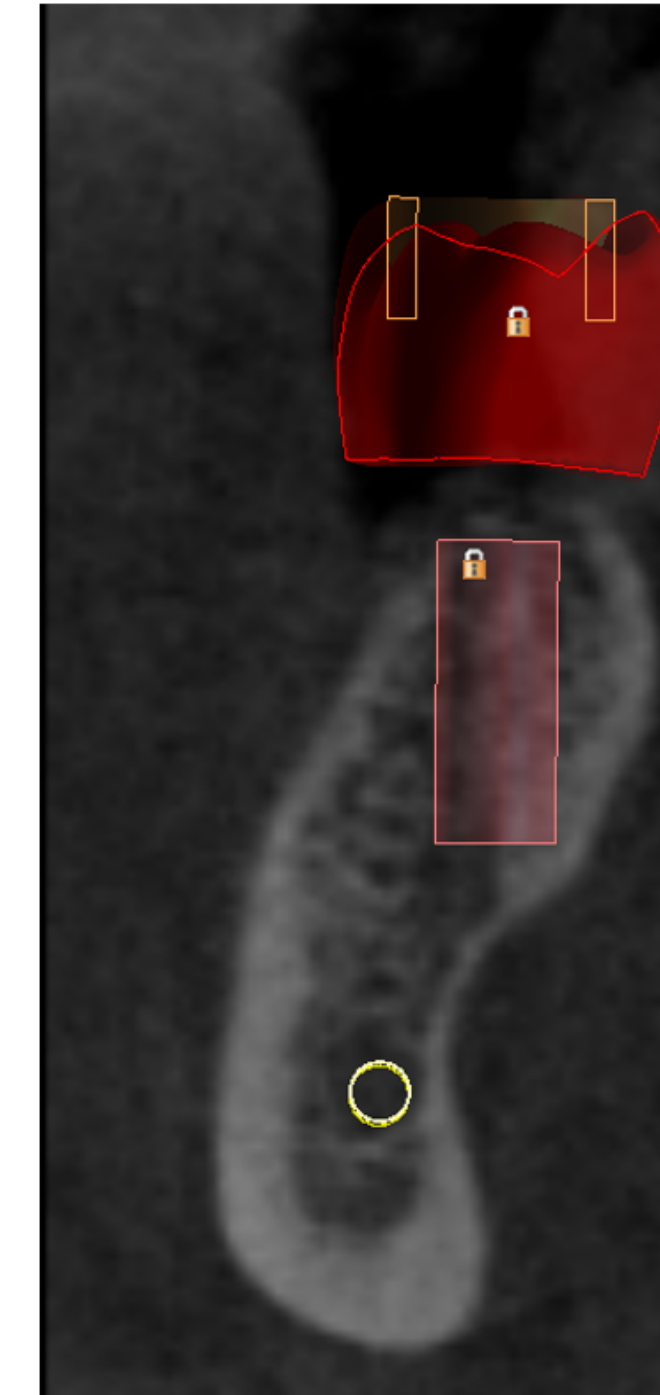
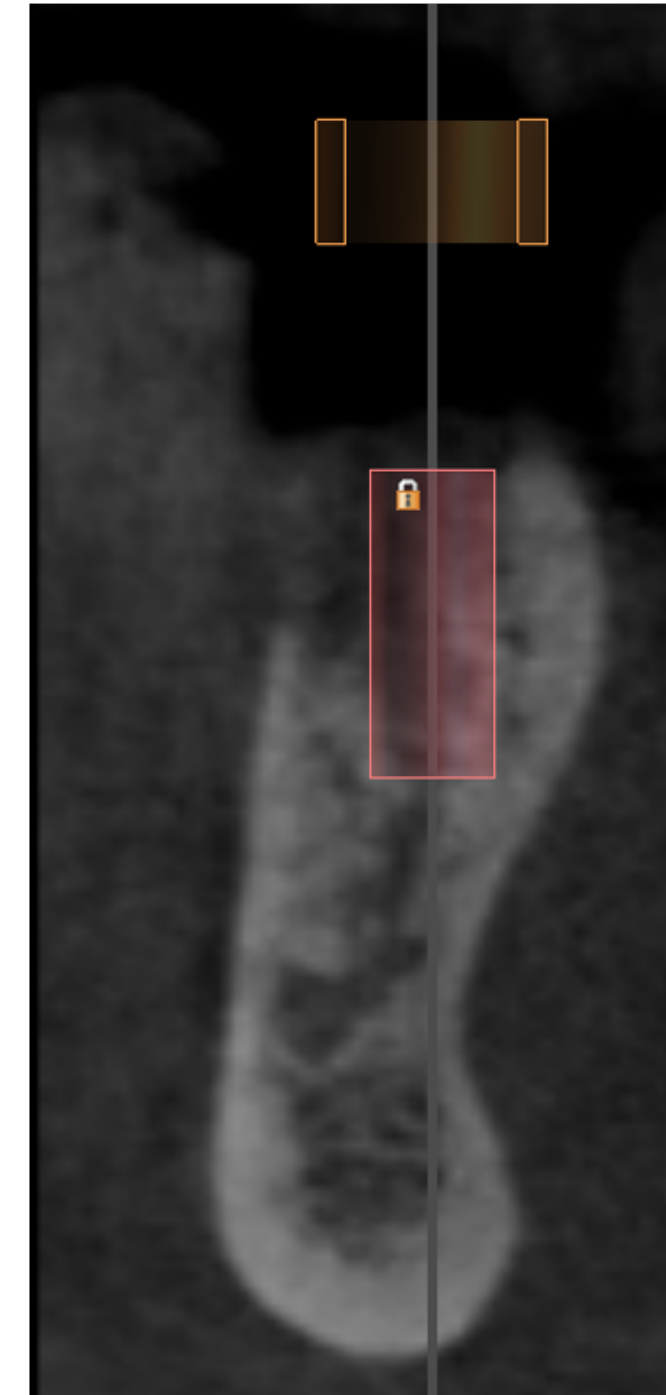
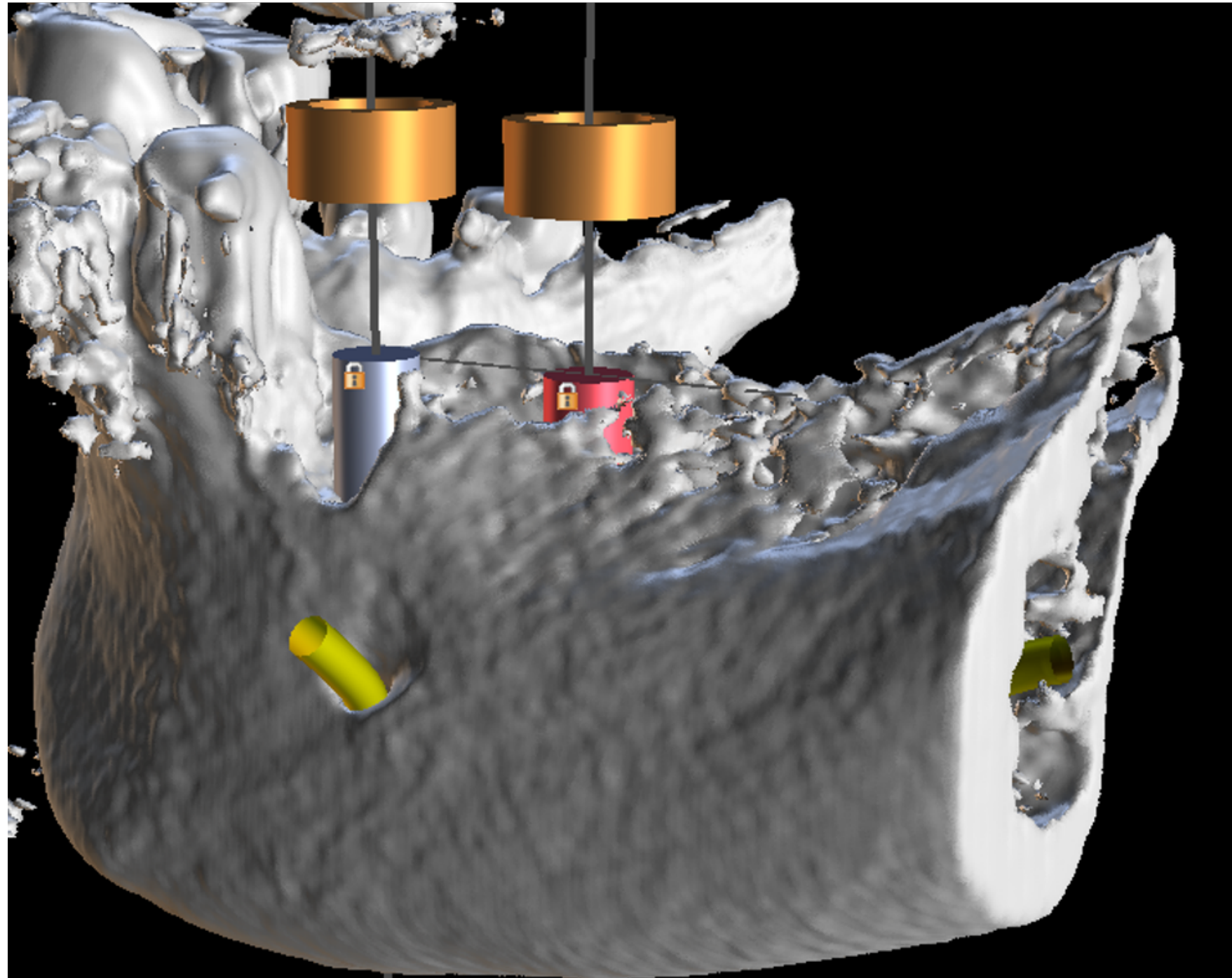
Brain Guided Surgery



Prostodontically Driven Dental Implantology

Treatment Planning The Digital Way

Guided Surgery ~~≠~~ Flapless Surgery



Thank You

