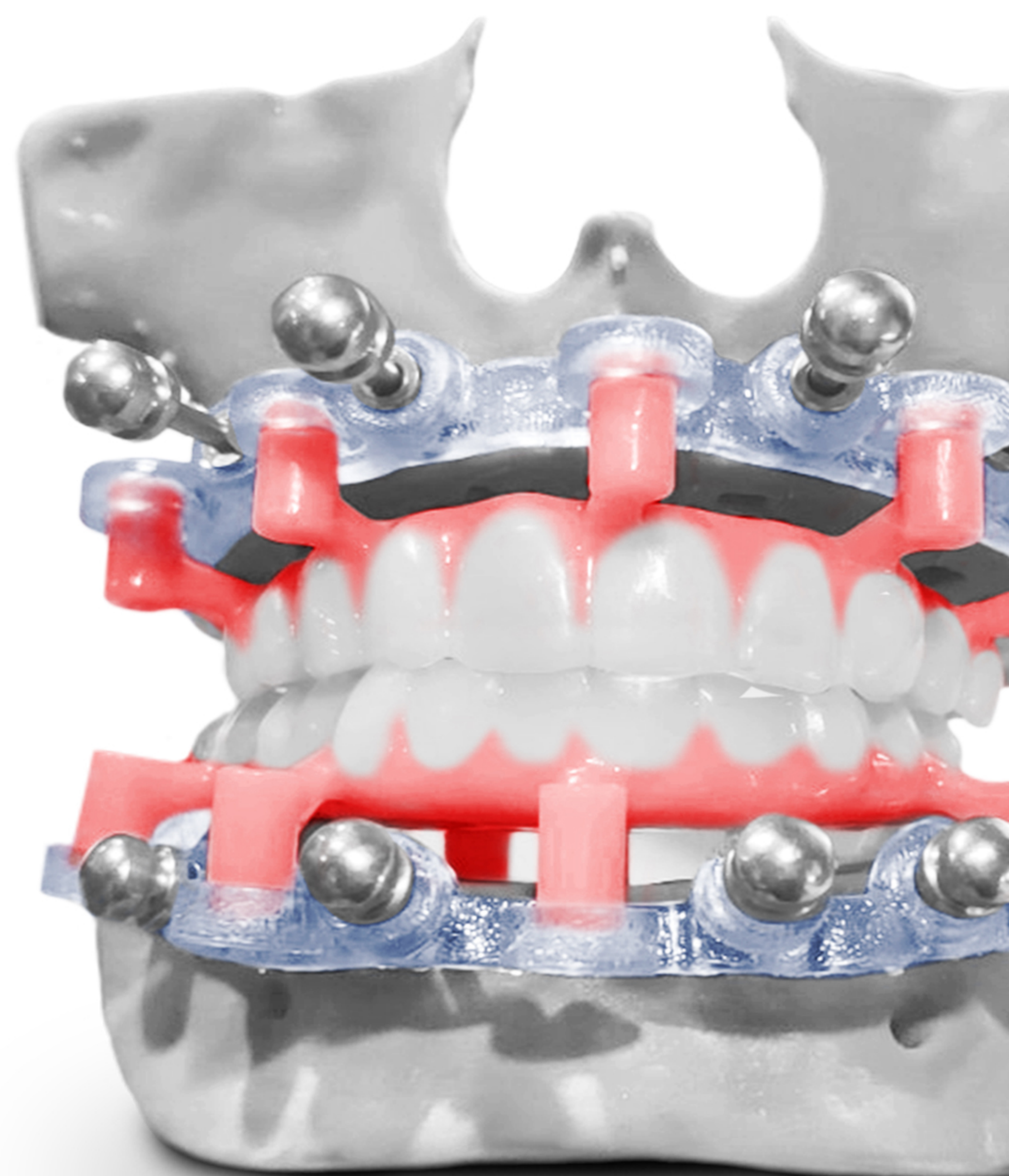




Product
Catalog.



Guided
Implant Surgery



Welcome to
**Image3D
Conversion**
Product Catalog

One-stop solution for all your dentistry needs, **Image3Dconversion** is your virtual companion to assist you with carrying out dental implant effectively and efficiently.

lets **I3DC** assist you to elevate Your patient smile with our customized surgical guides with our high-end and progressive technology.

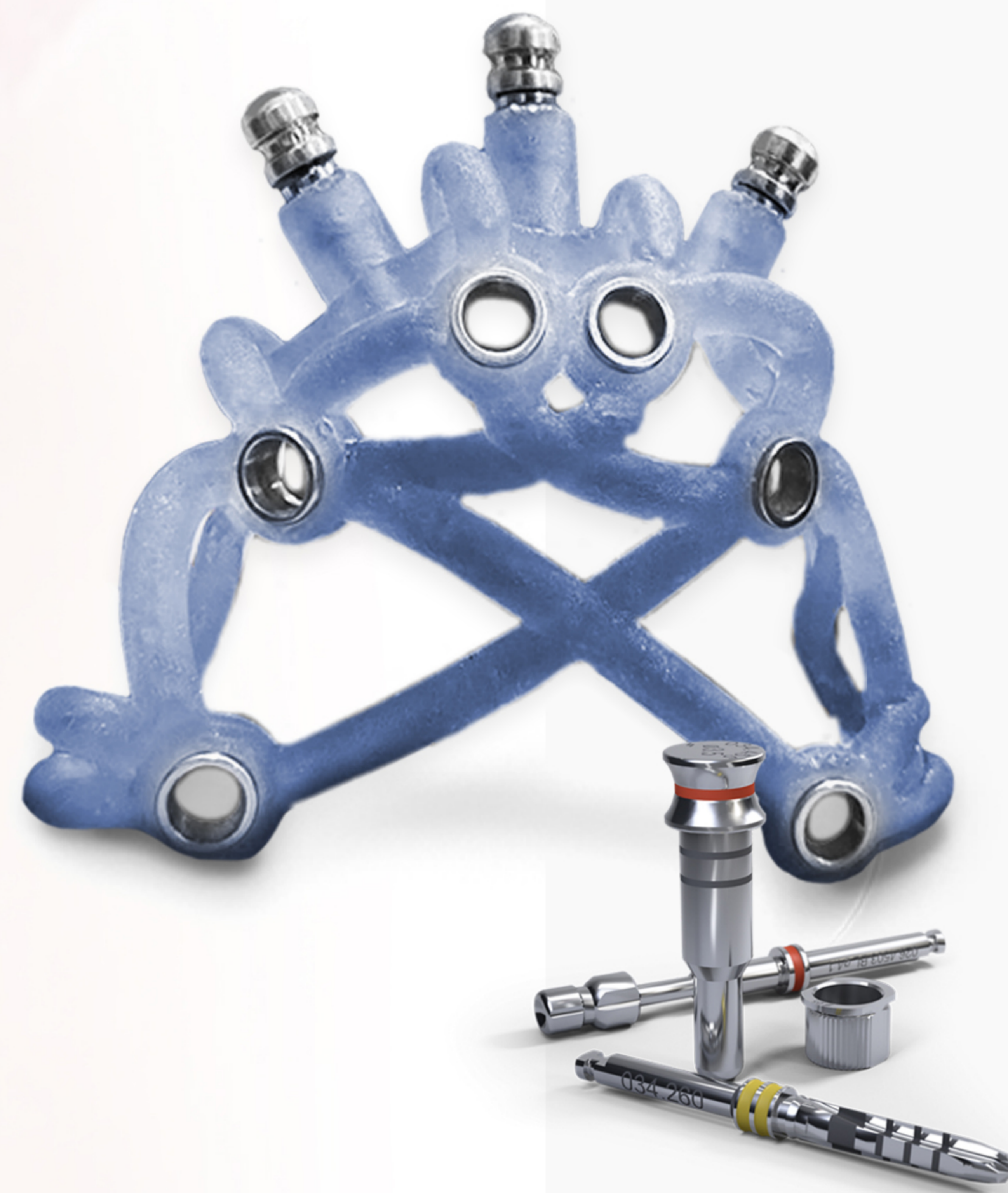
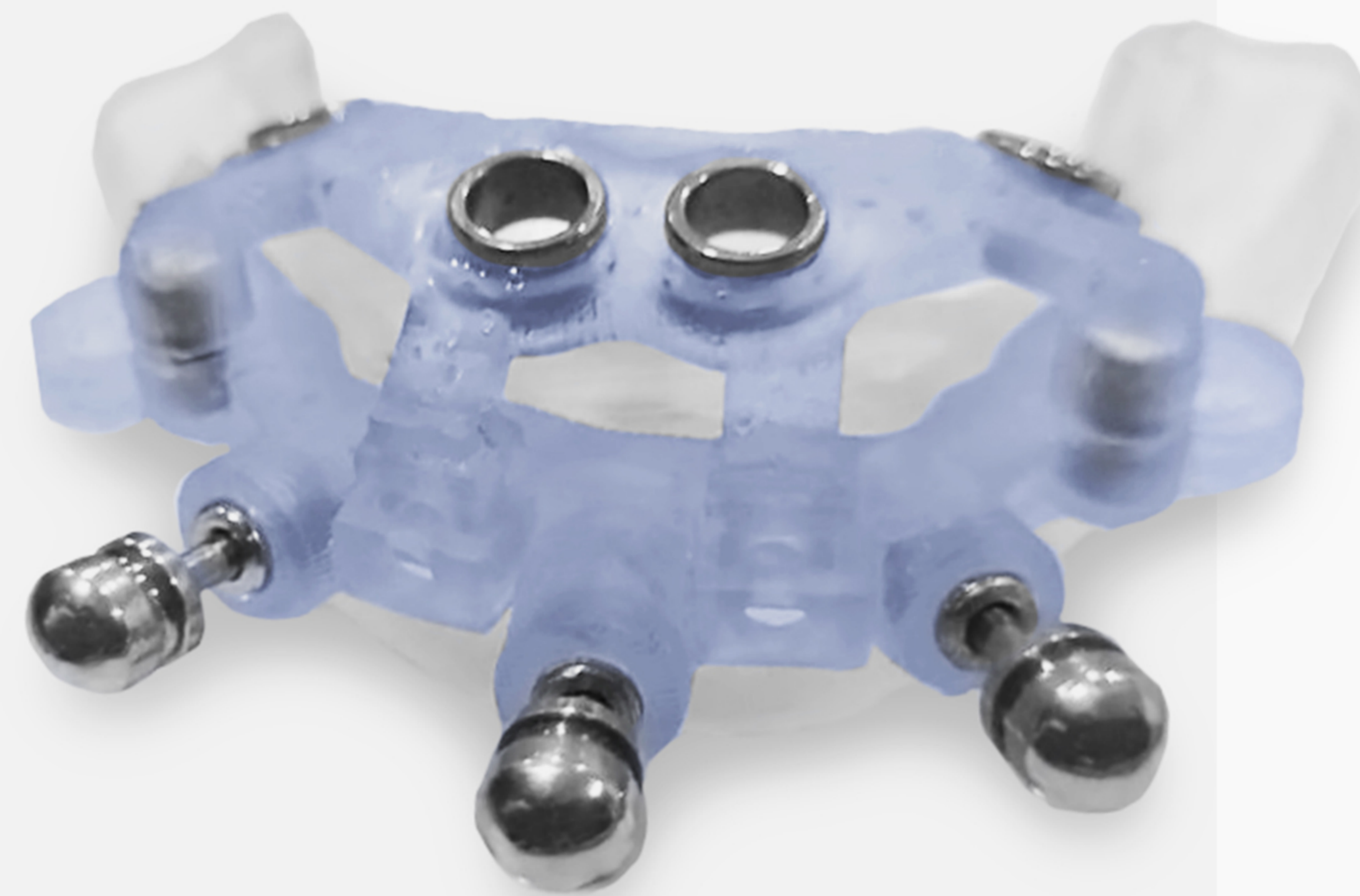


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Introduction to SURGICAL GUIDES in dentistry.



What is a **Surgical Guide**?

Surgical guides allow doctors to plan an implant virtually and then accurately place an implant in the most safe, predictable, and efficient manner. In addition to increased accuracy, clinician will save chair time.

Types of SURGICAL GUIDES.

01. Regular guide

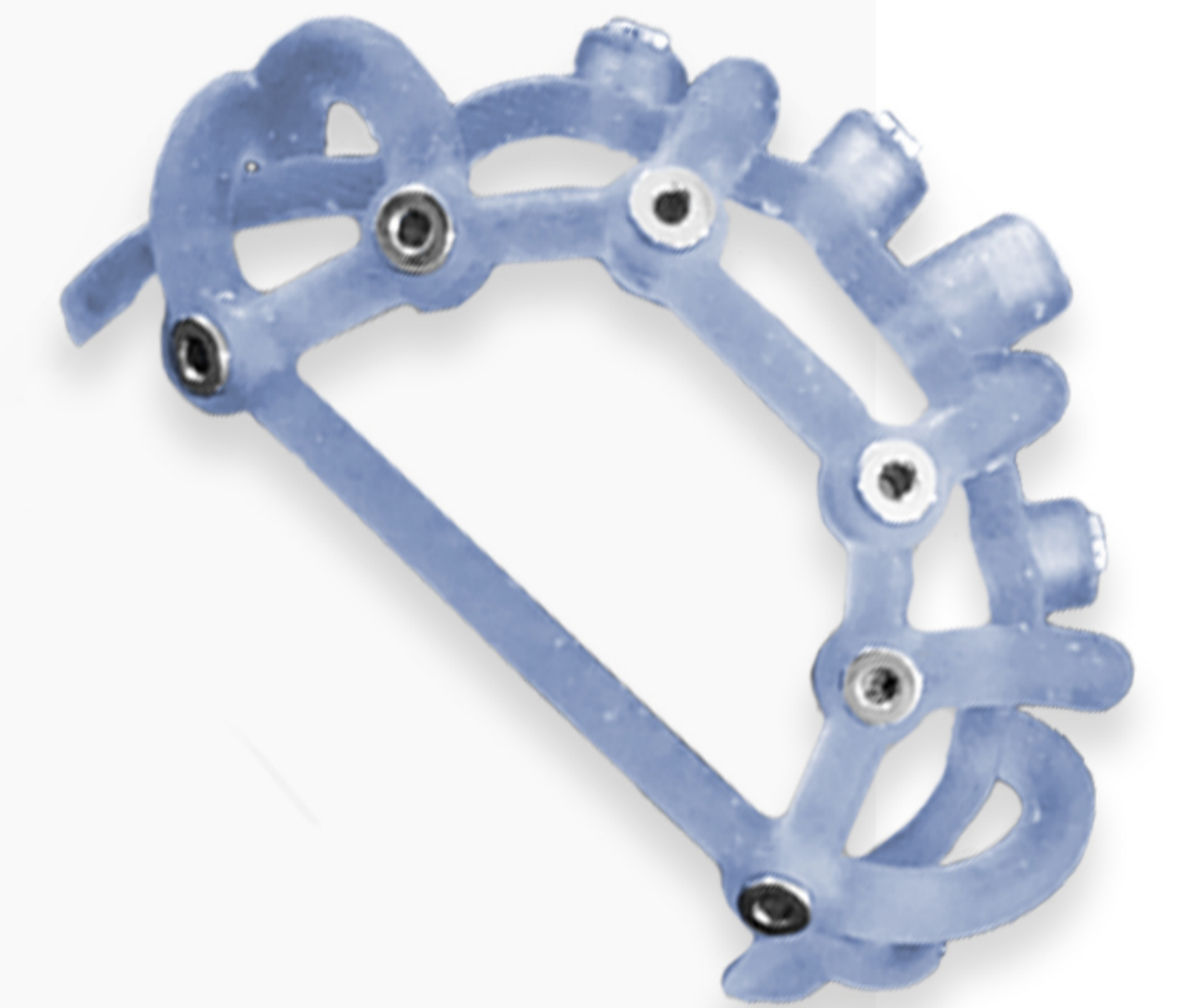
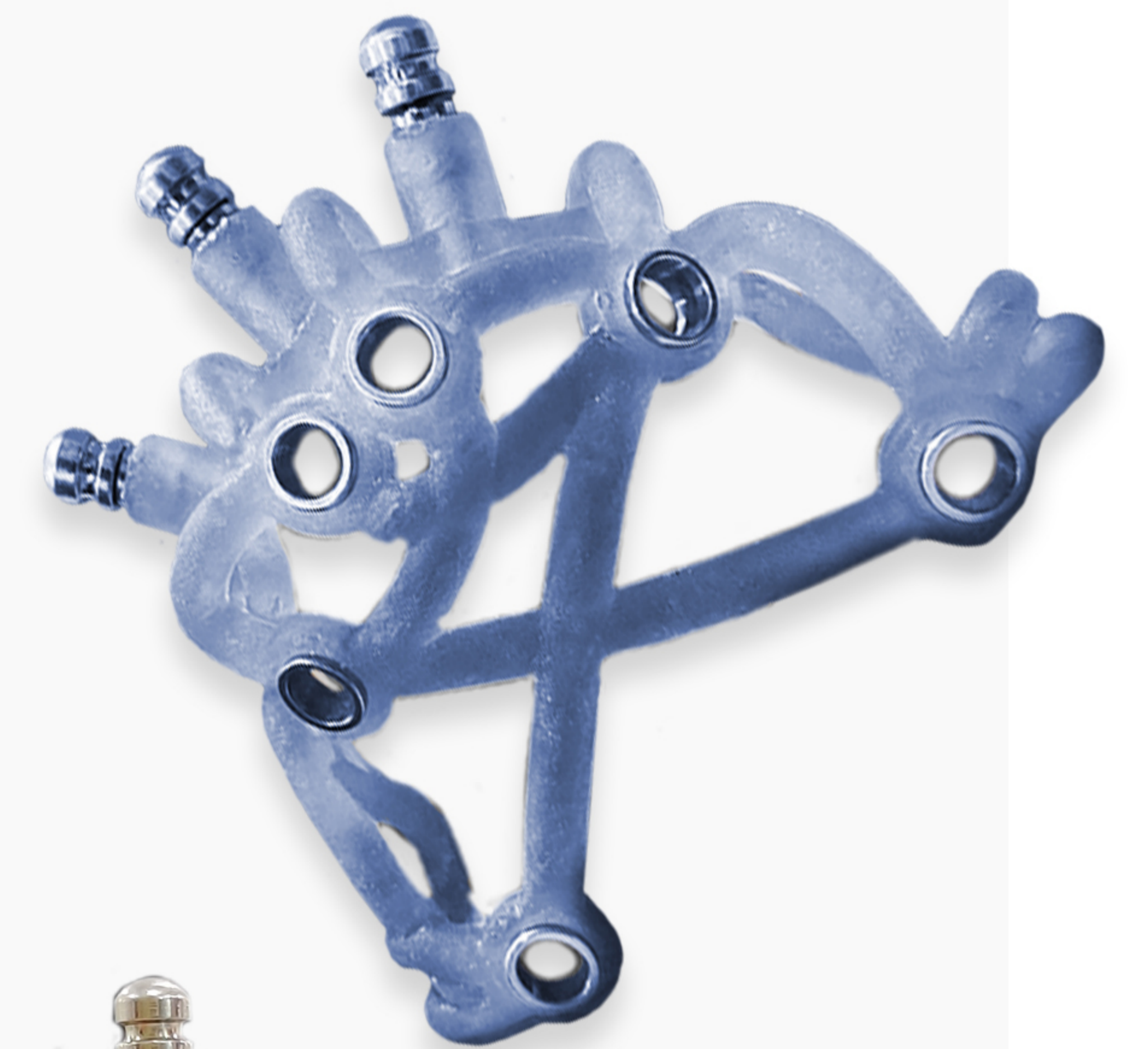
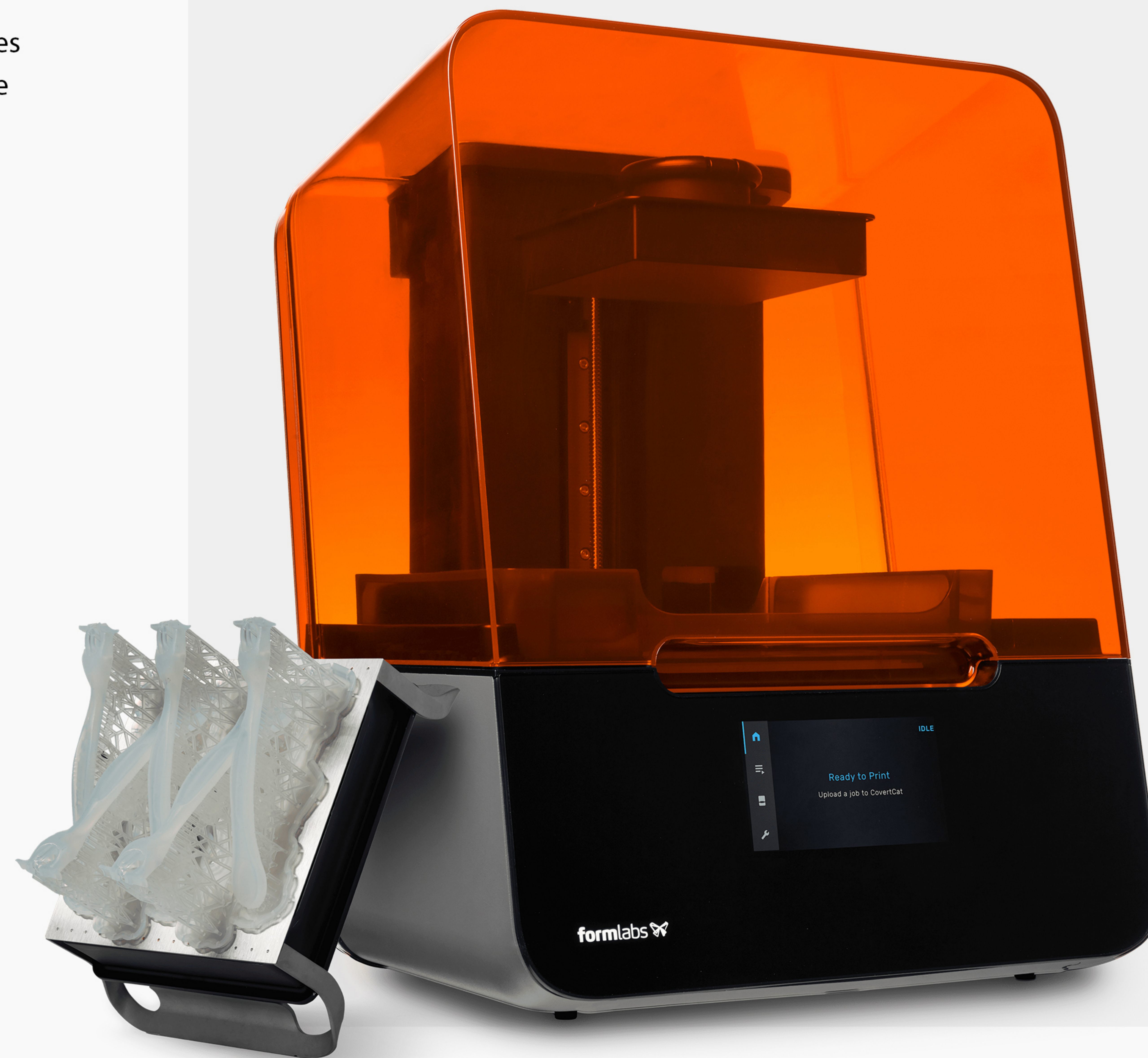
- Tooth Supported Guide
- Tissue Supported Guide
- Bone Supported Guide

02. Premium Metallic Guide



Regular GUIDES.

I3DC Regular surgical guides are made of bio-compatible dental 3D resin. They are odourless and tasteless. Designed, printed for high accuracy and reliability.



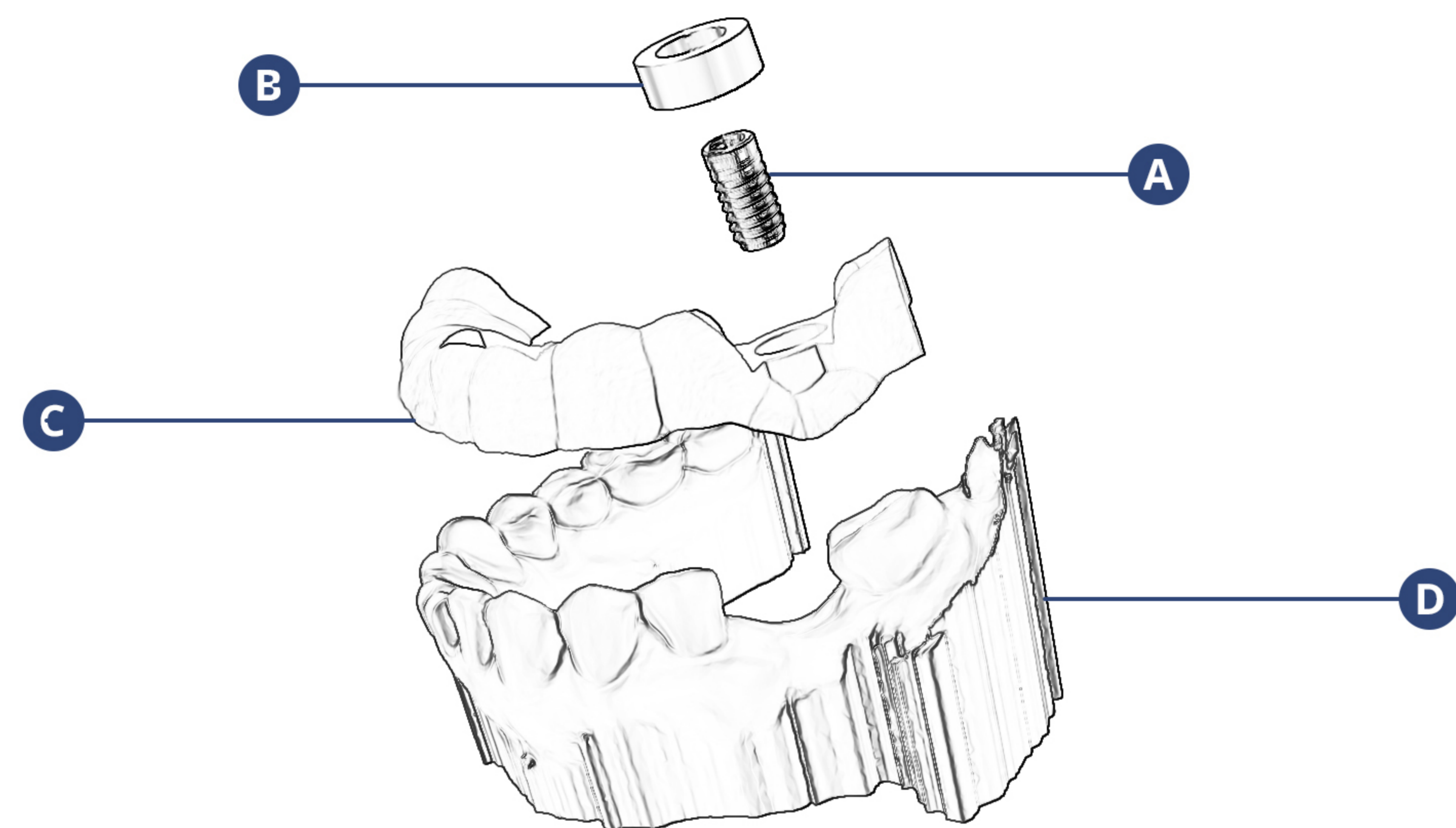
Regular Surgical guide

Tooth supported guide

Tooth supported surgical guides are common and easily adaptable to various dentulous clinical situations. **I3DC's** Tooth-supported guide is firmly adapted to the existing teeth in the jaw, to support the placement of the implant in the planned site with precision and accuracy. This can be used for single or multiple teeth rehabilitation.



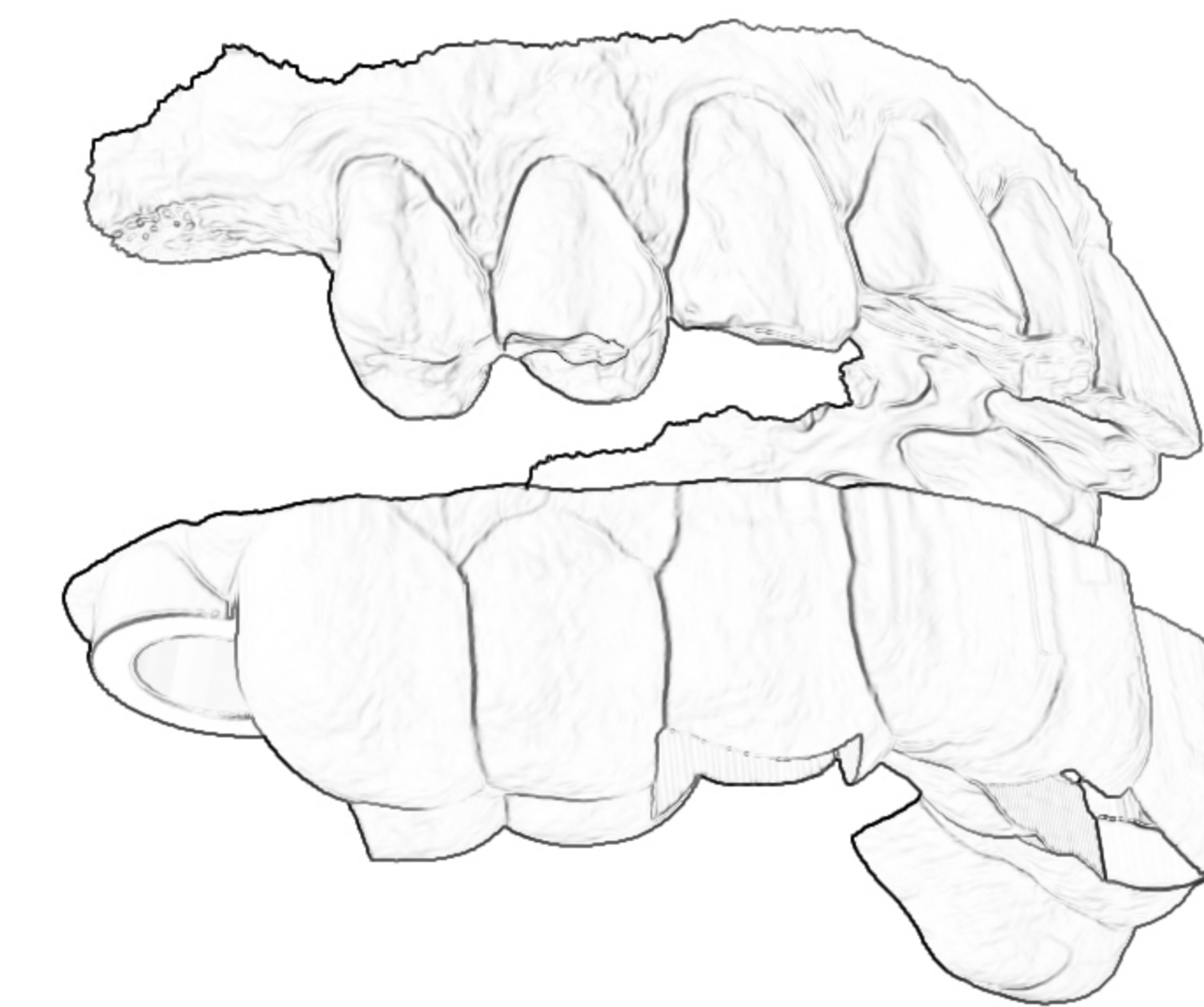
Application	No. of Sites	Material
Generally 1+ implants,	1-6	3d Biocompatible resin, with sleeves or sleeveless



A	B	C	D
Implant	Sleeve	Tooth supported guide	Cast model

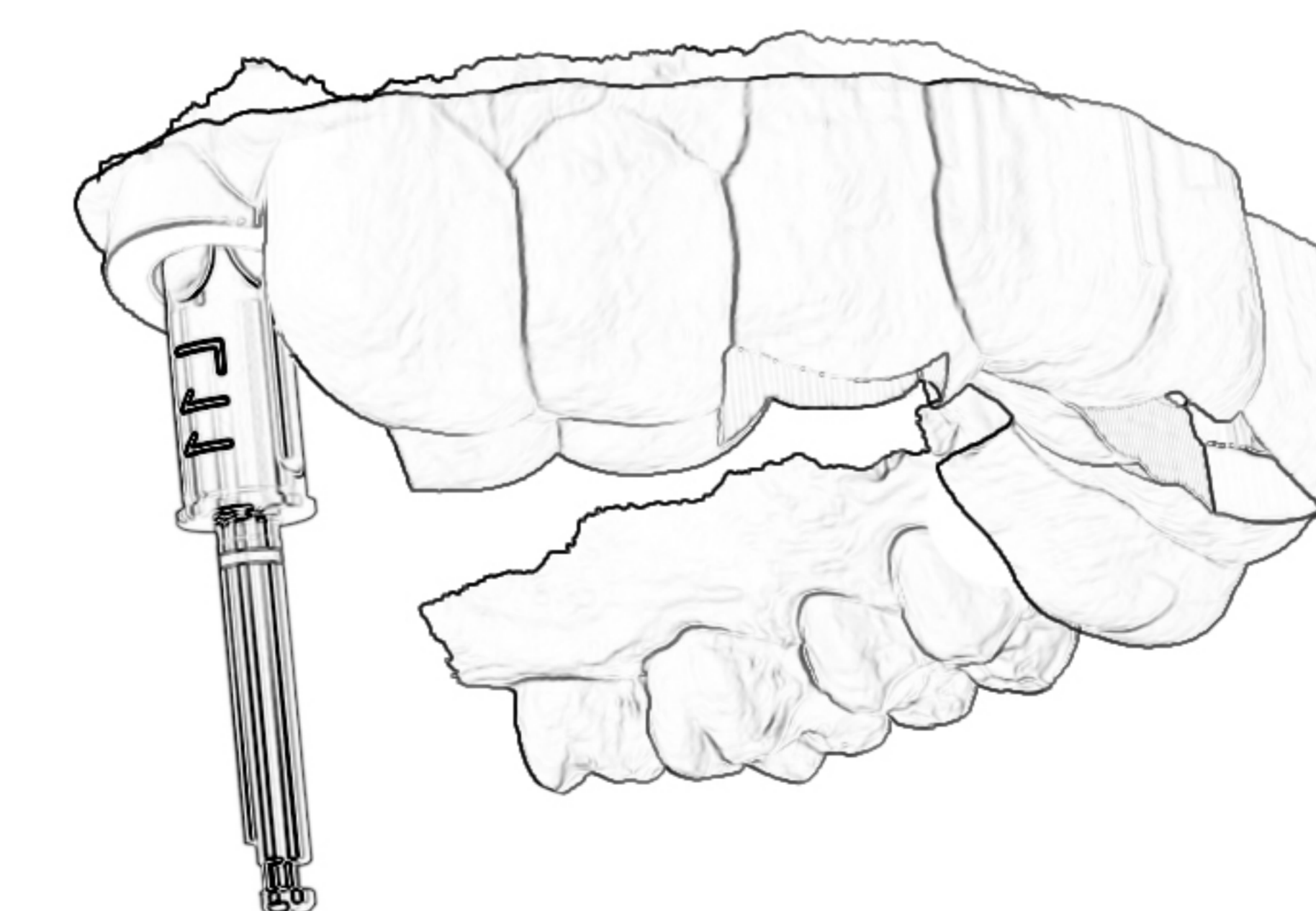
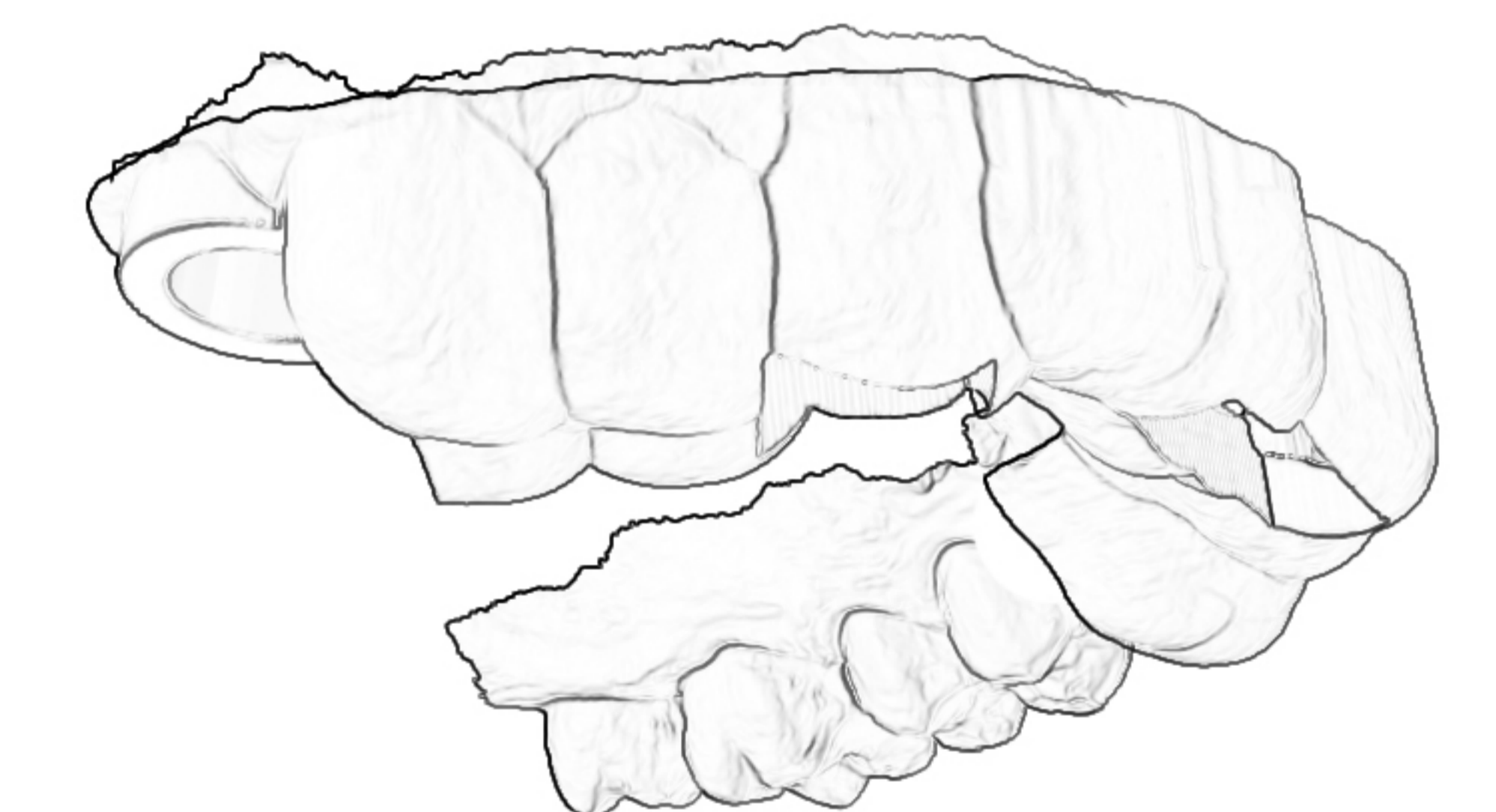
Workflow Tooth Supported

A Partial Edentulous case
Patient with Missing molar.



Tooth supported guide
Restoration with tooth supported guide

C Place guide
Place over teeth to stabilize the guide and locate osteotomy site.



Use guided drill
Use guide as reference to drill osteotomy site

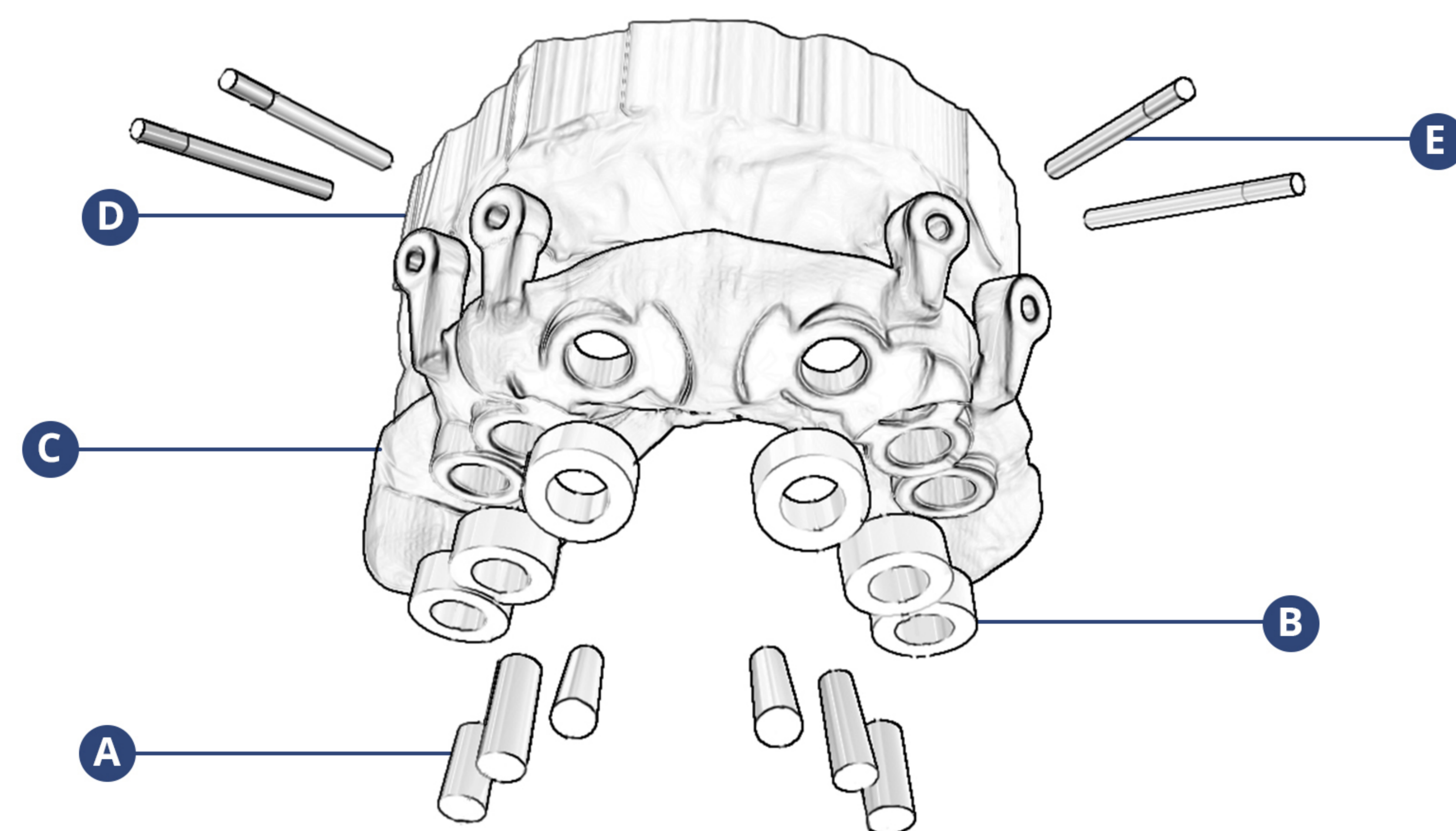
Regular Surgical guide

Tissue supported guide

Tissue supported surgical guides are easily adaptable to various edentulous clinical situation or immediate teeth extraction cases for full arch reconstruction. **I3DC's** Tissue-supported guide is custom-fitted to the edentulous jaw or the extracted site. This gives versatility to employ flapless or minimal flap concept.



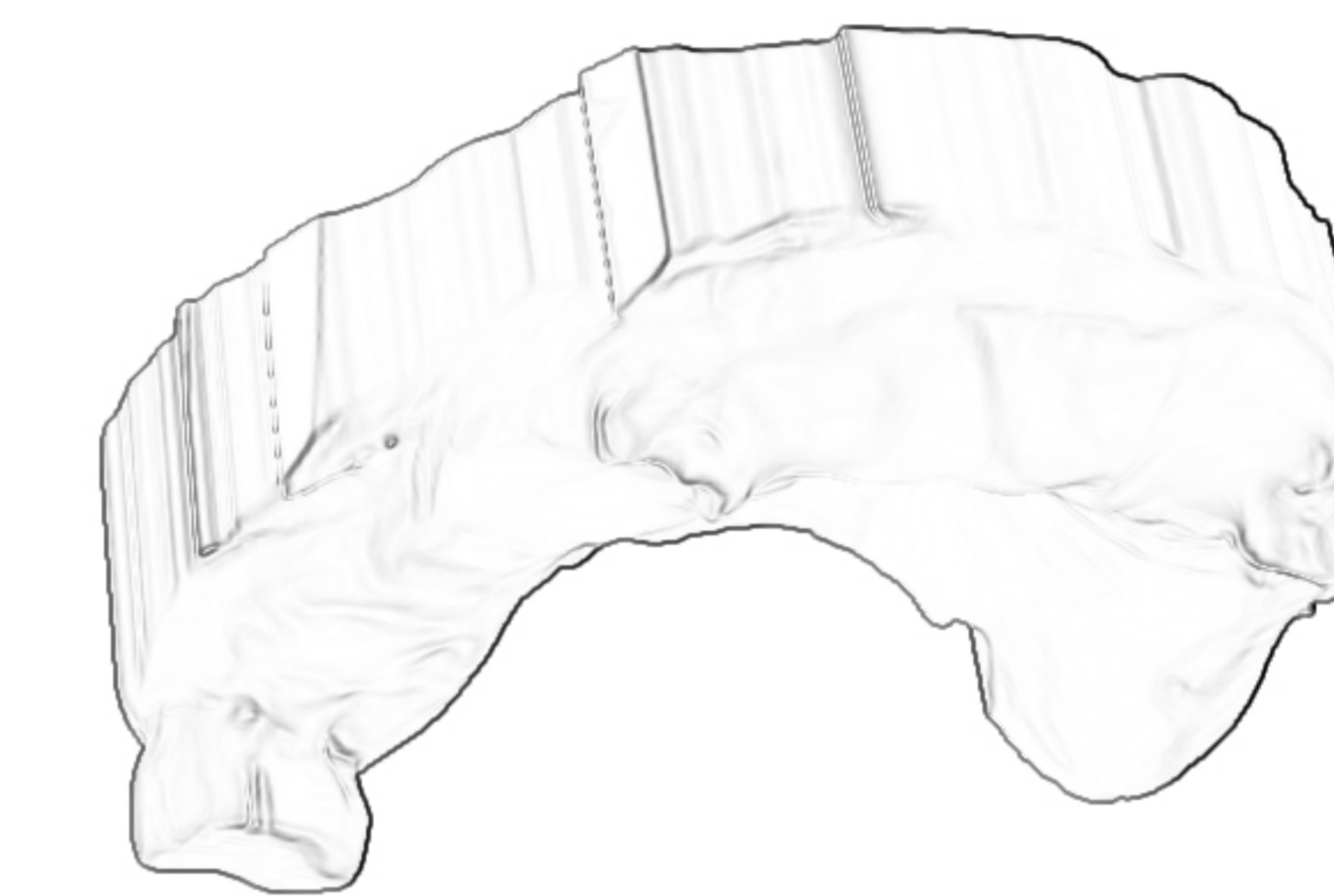
Application	No. of Sites	Material
Edentulous cases where guide is based on a dual-scan	Any number	3d Biocompatible resin, with sleeves or sleeveless



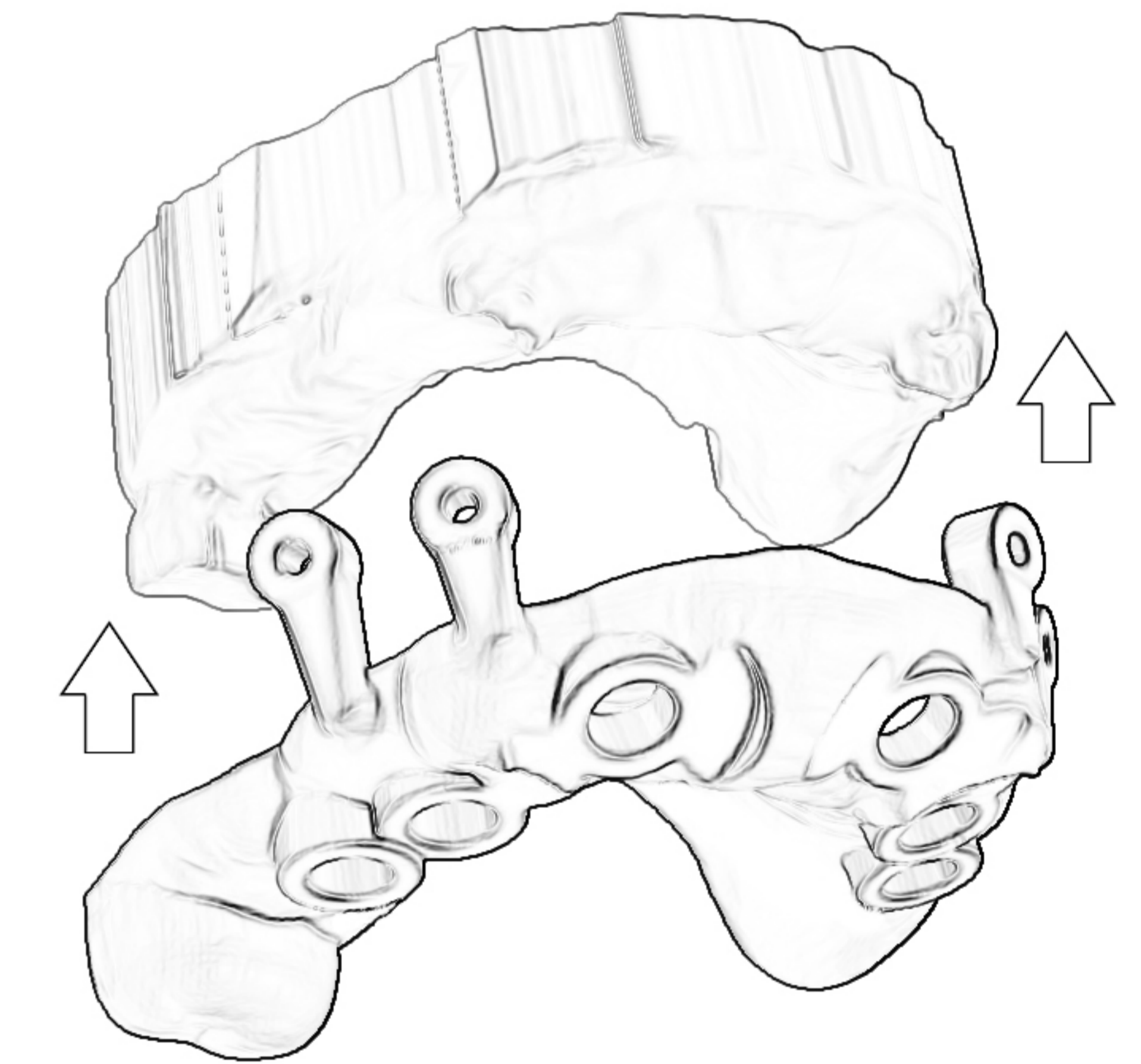
A	B	C	D	E
Implant	Sleeve	Tissue supported guide	Tissue model	Anchor pin

Workflow Tissue Supported

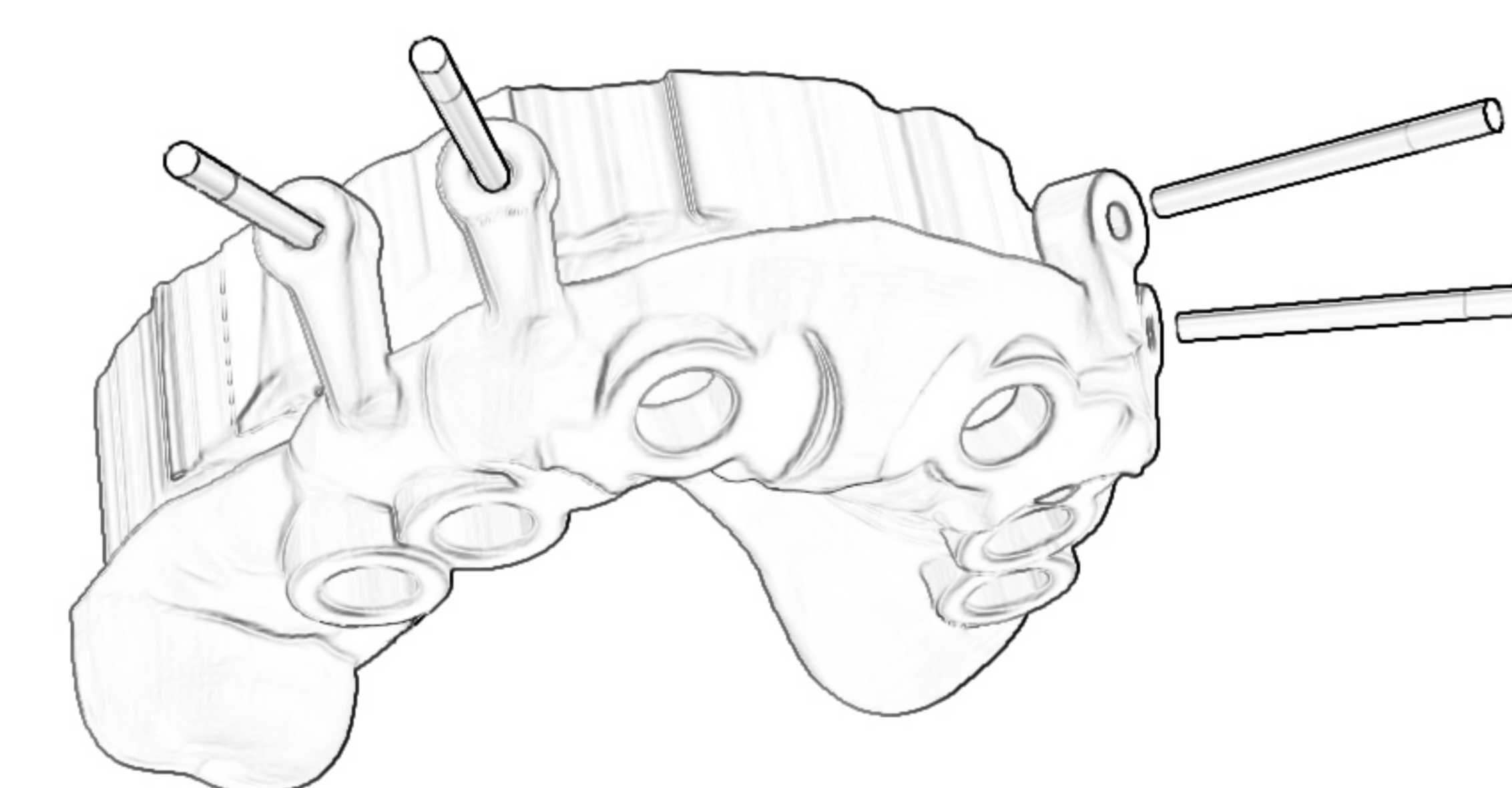
A Dentulous case
Patient with Missing and damaged teeth.



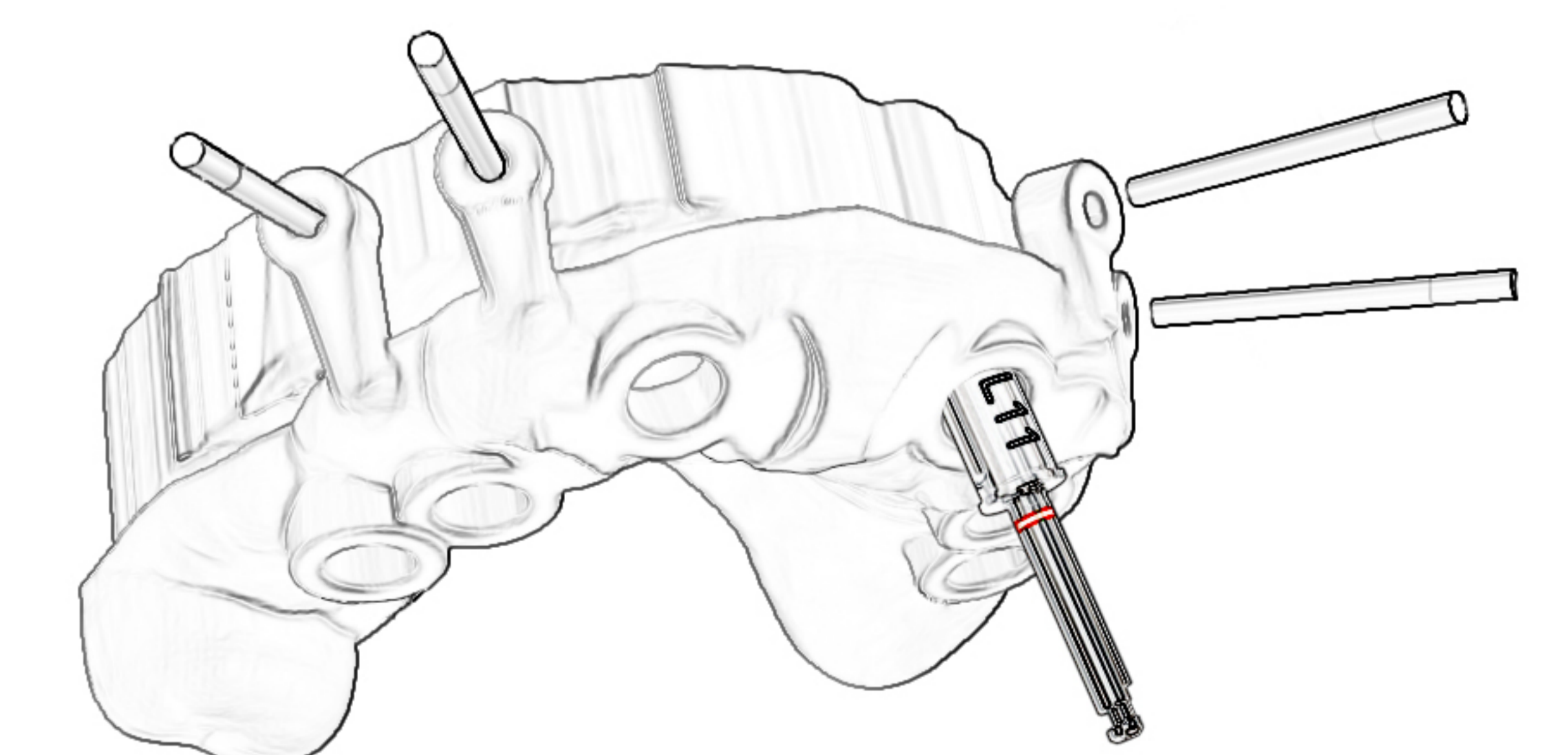
B Extraction
Extract teeth for placing the guide



C Place guide
Place guide over tissue



D Anchor pin
Use anchor pin to support guide



C Locate osteotomy site
Place guide over tissue and Use guide as reference to drill osteotomy site

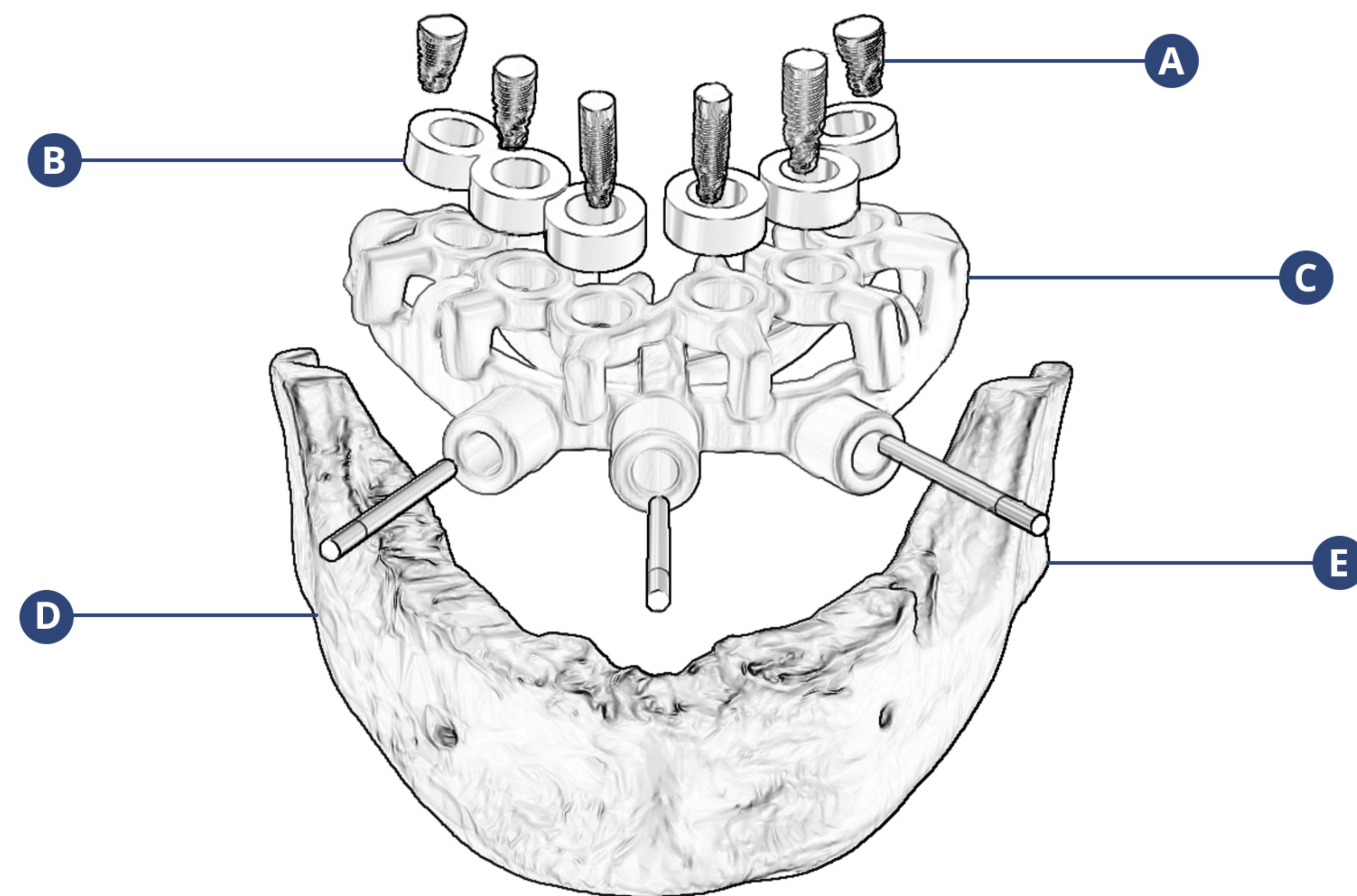
Regular Surgical guide

Bone supported guide

A bone supported surgical guide is generally used for full-arch edentulous implant cases or case with immediate extraction. This type of guide required flap reflection for access to bone to place the guide for bone support.



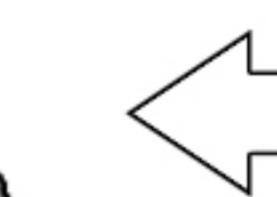
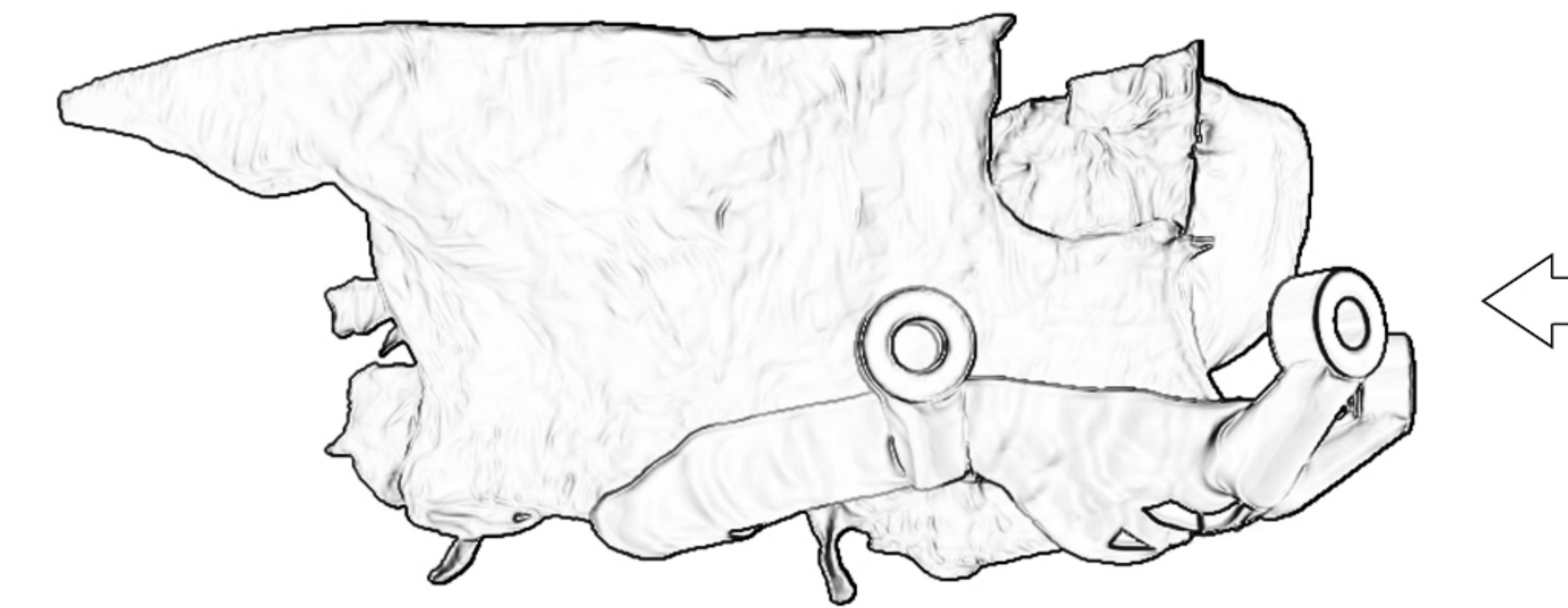
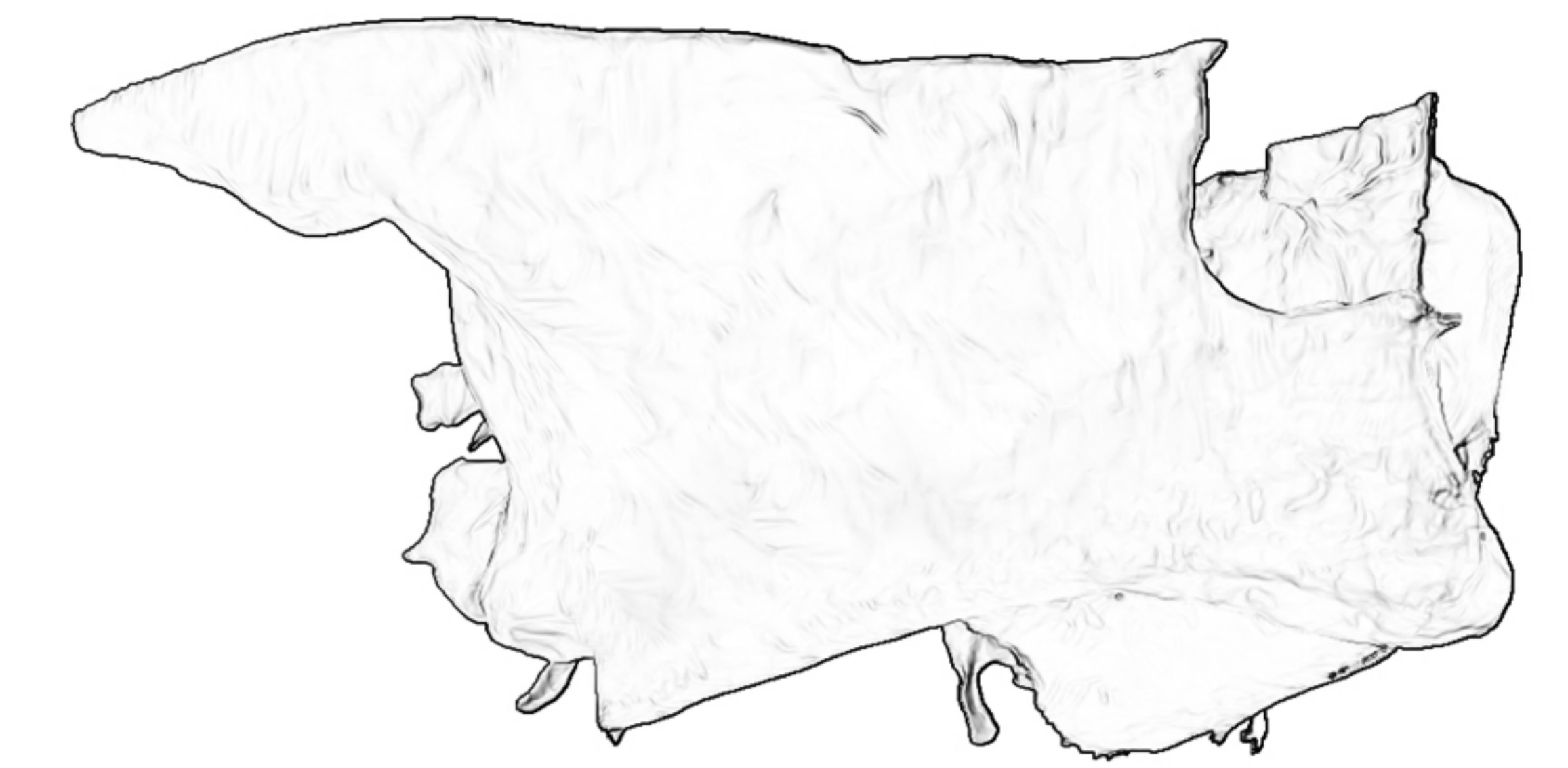
Application	No. of Sites	Material
Suitable for edentulous cases	Any number	3d Biocompatible resin, with sleeves or sleeveless



A	B	C	D	E
Implant	Sleeve	Bone supported guide	Bone model	Anchor pin

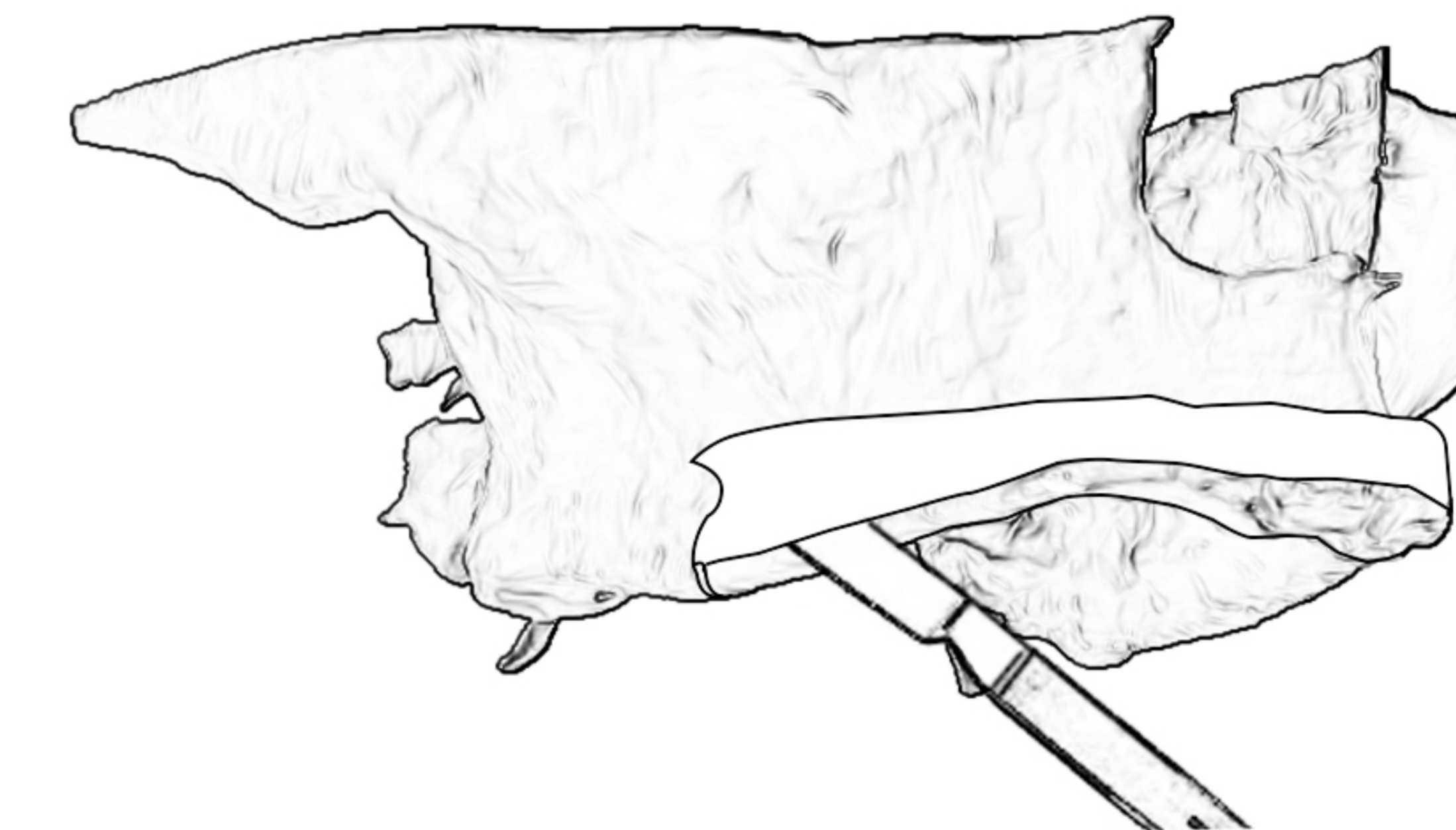
Workflow bone supported Guide

A Edentulous case
full arch mouth restoration

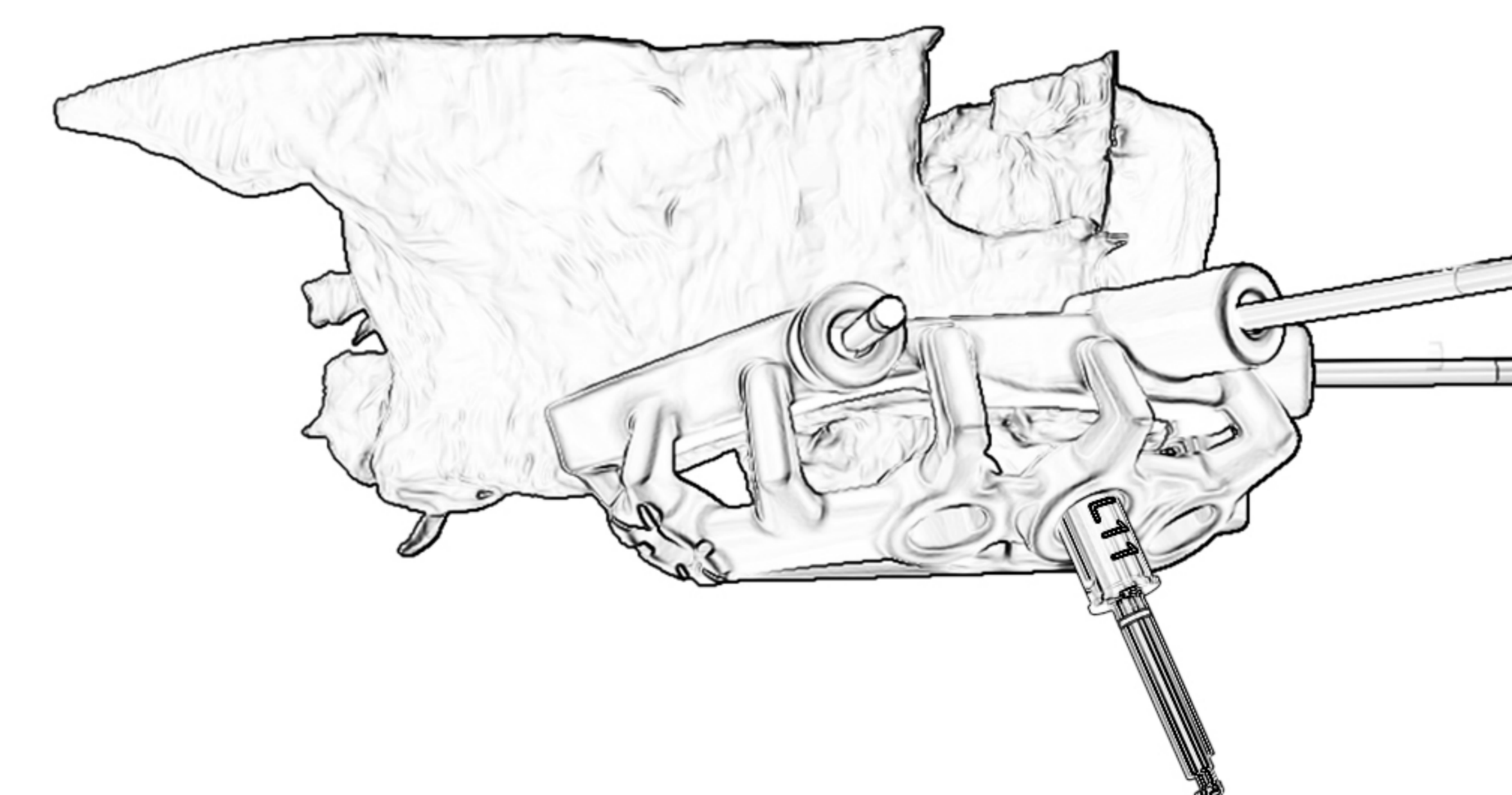
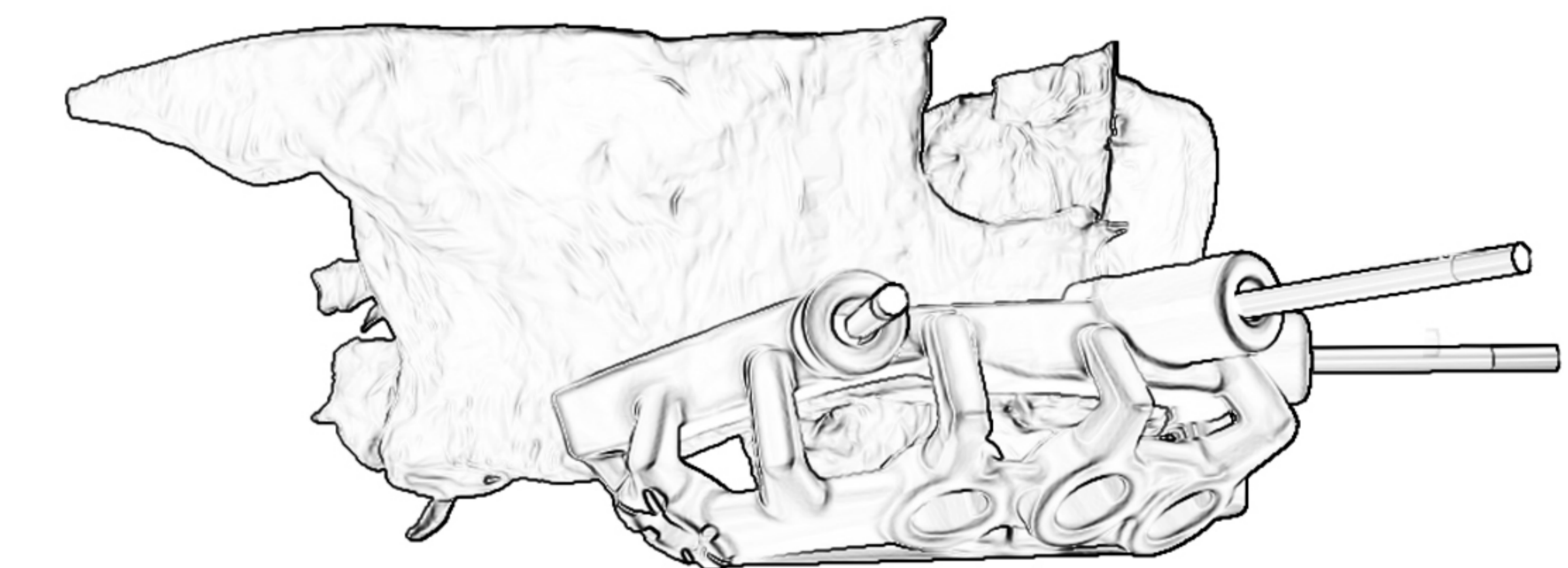


Indexing B

Place guide over tissue for indexing anchor pin location
(Condition: In some cases flap need to be raised for pin guide placement)



C Guide placement
Place osteotomy guide and Use anchor pin to support guide



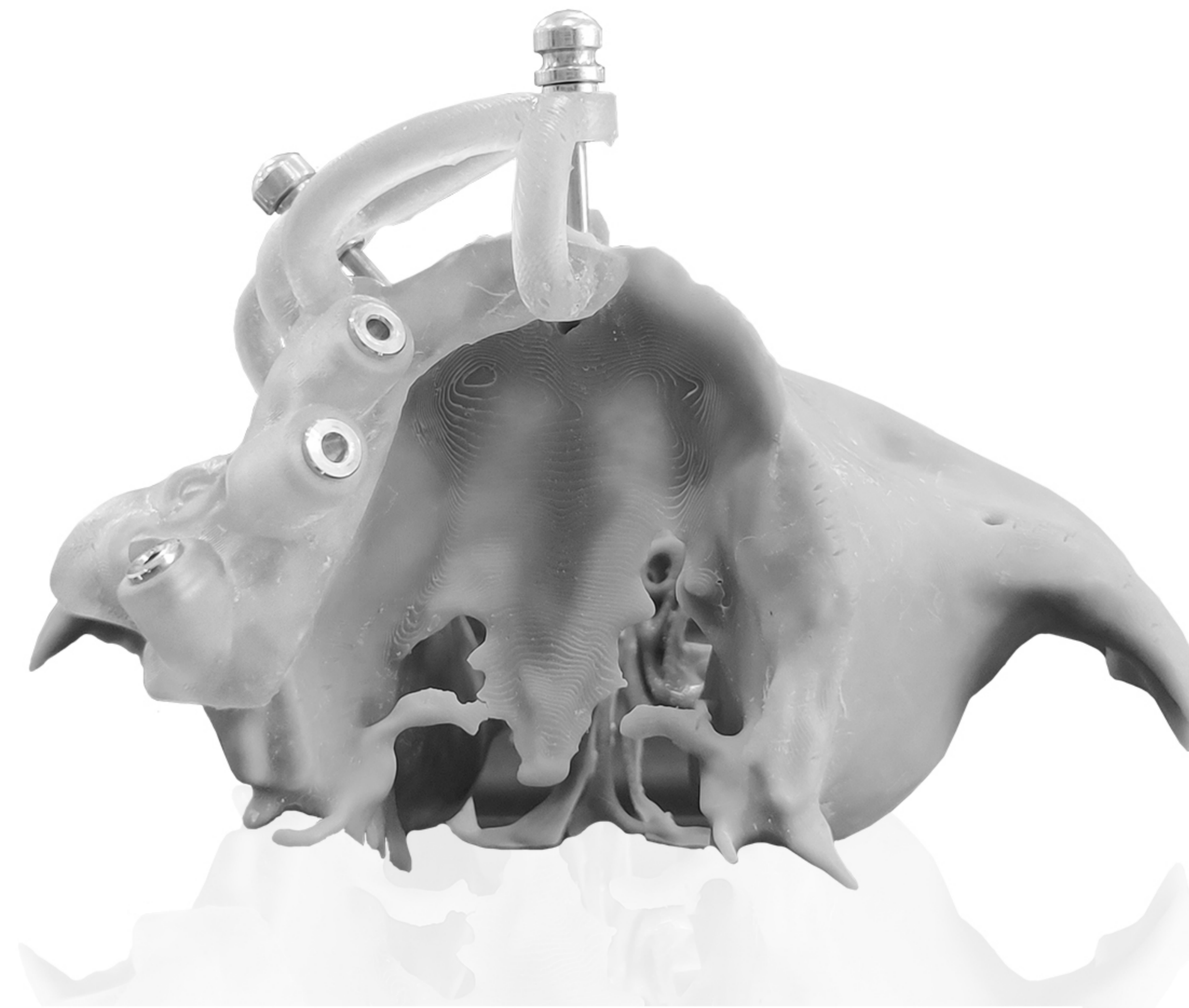
Locate osteotomy site D

Place guide over bone and Use guide as reference to drill osteotomy site

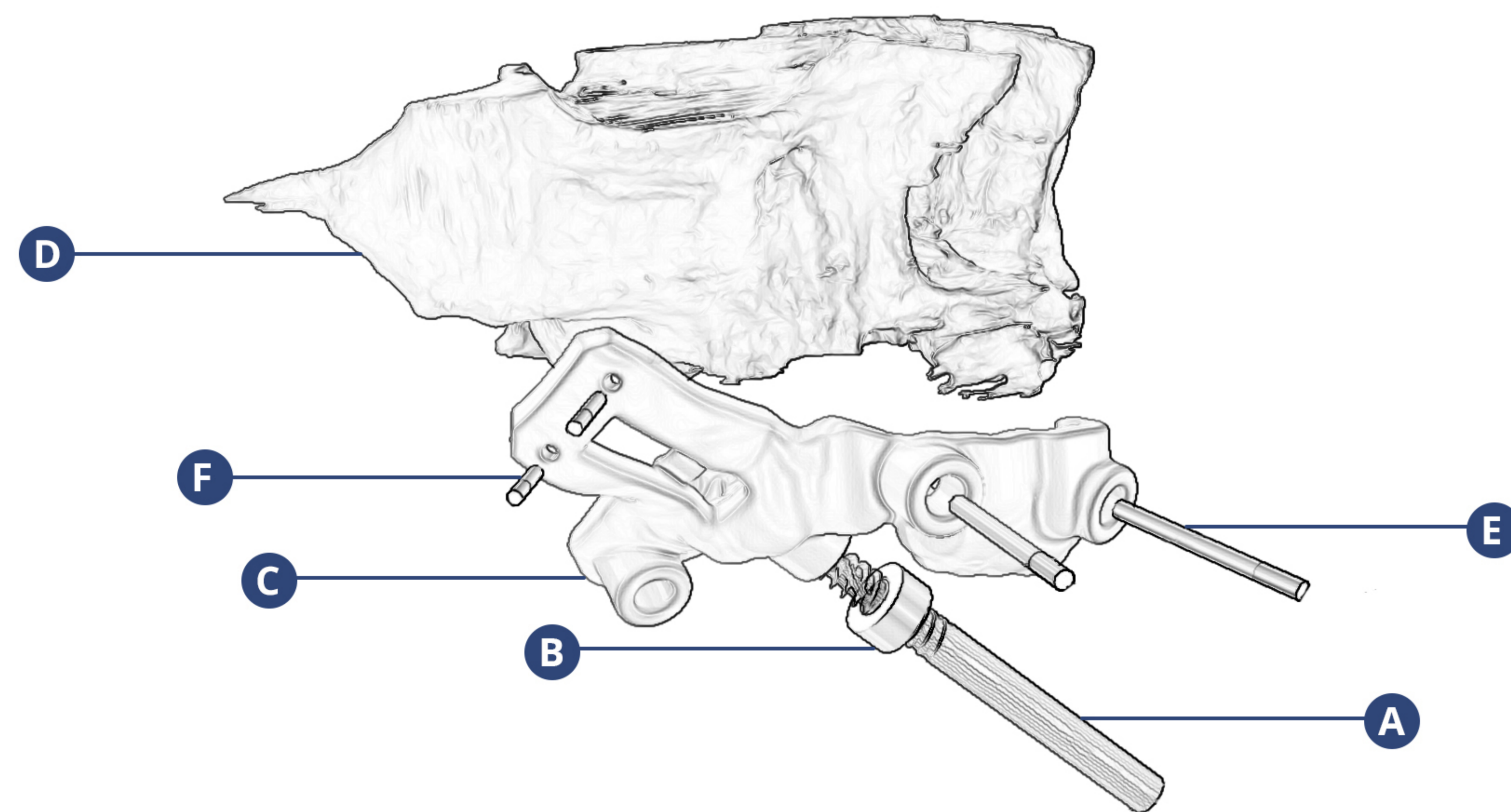
Regular Surgical guide

Zygoma guide

Zygomatic implants are one of the possible options for the immediate implant rehabilitation of the atrophic edentulous maxilla. Placing a long implant (from 30 to 60 mm) in a region with a limited access and visibility. A correct planning of zygomatic implant is crucial in order to respect the anatomical constraints and the implant's head position.



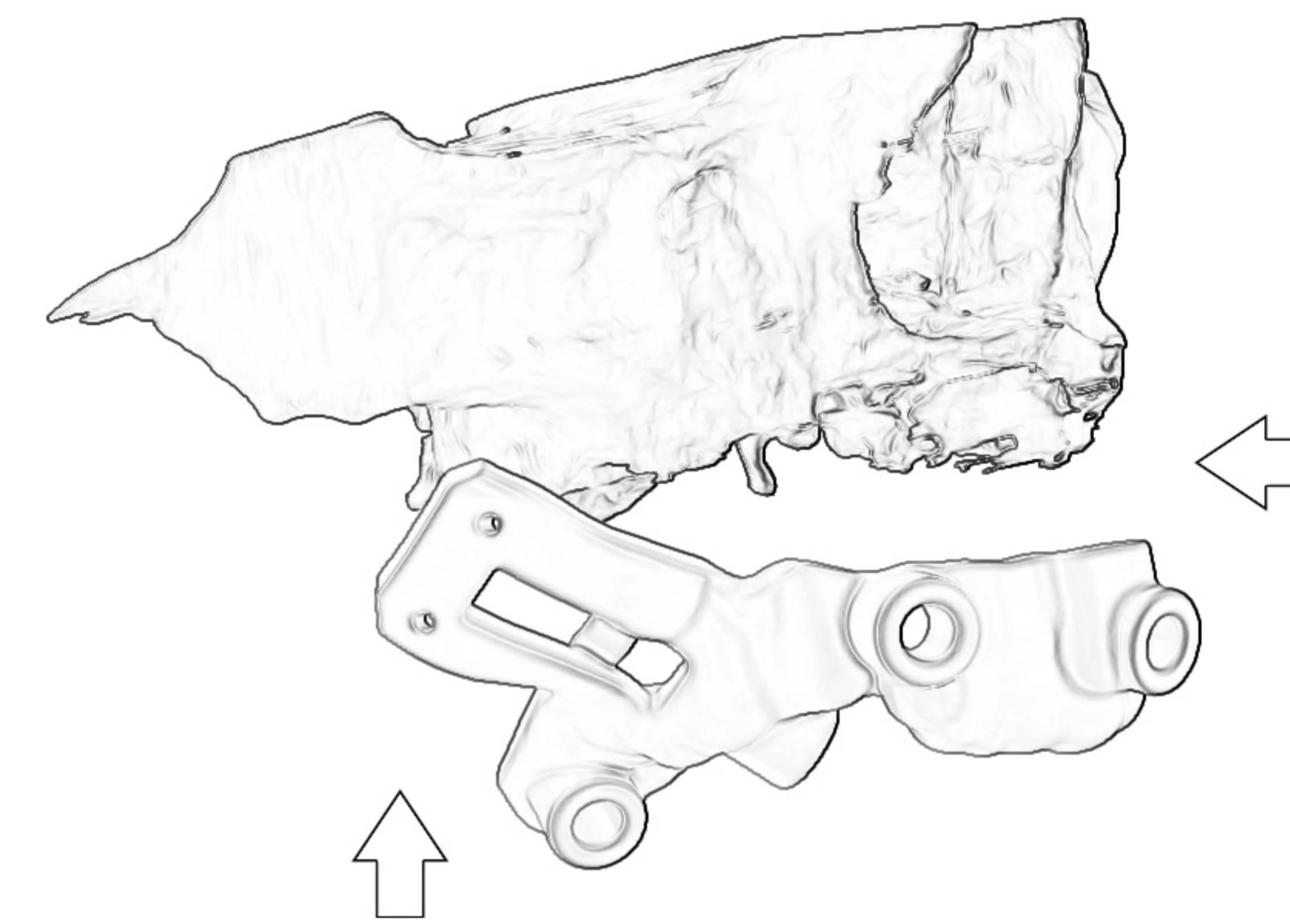
Application	No. of Sites	Material
Suitable for edentulous cases	1 - 2	3d Biocompatible resin, with sleeves or sleeveless



A	B	C	D	E	F
Implant	Sleeve	Zygoma guide	Bone model	Anchor pin	Screw

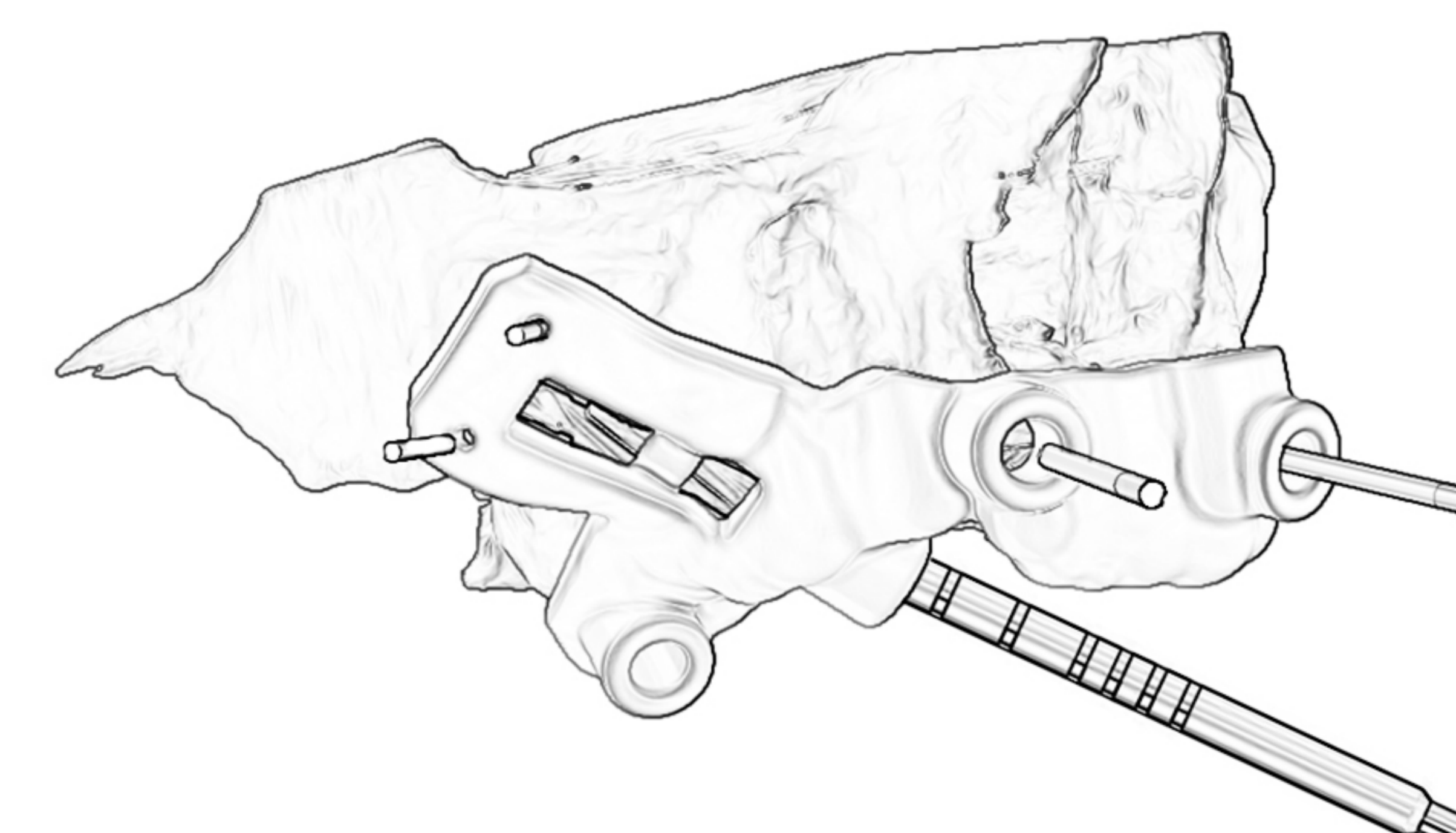
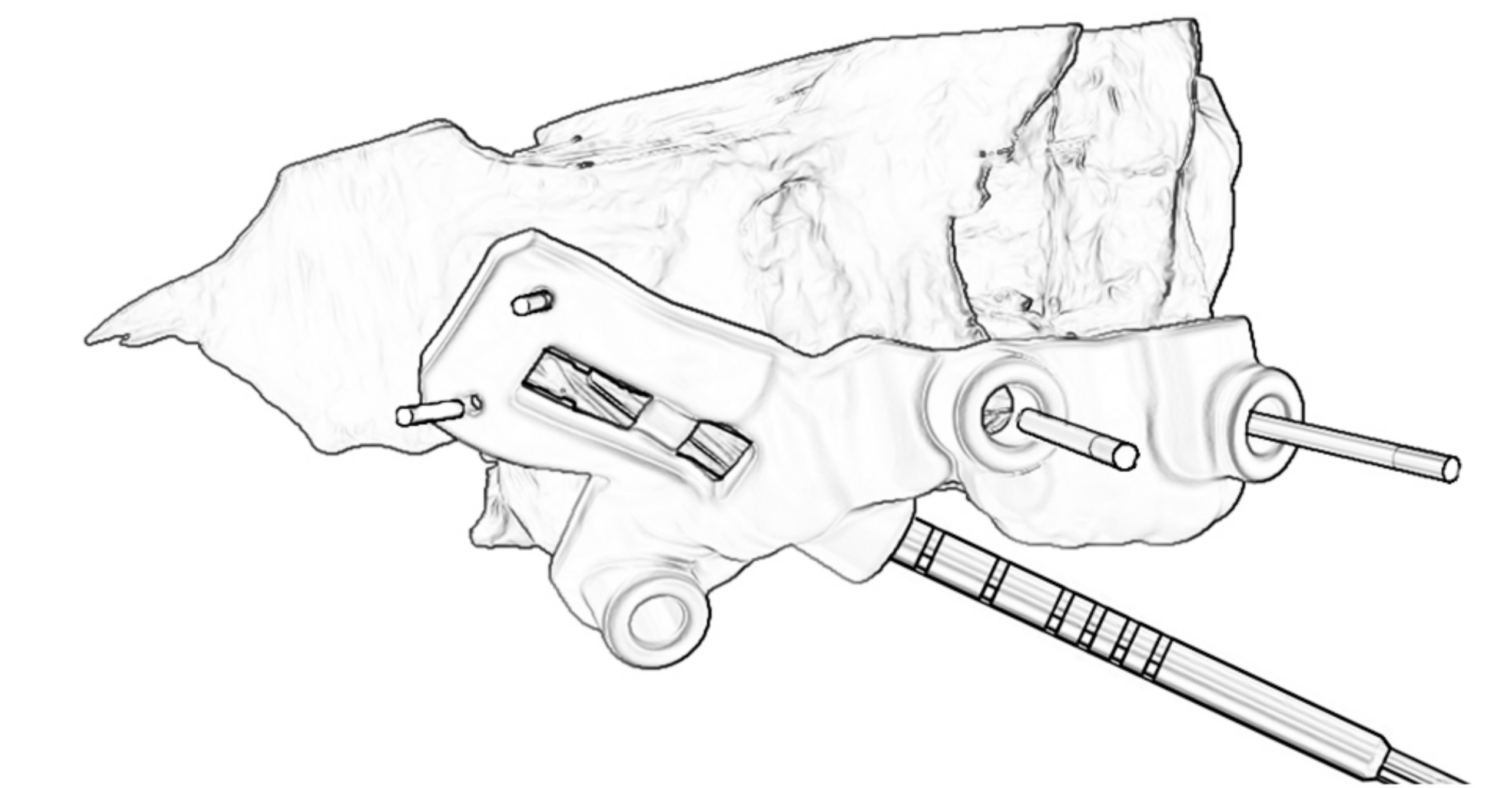
Workflow Zygomatic Guide

A Flap raise
Elevation of a wide flap to obtain an extended exposure of the underlying maxillary bone.



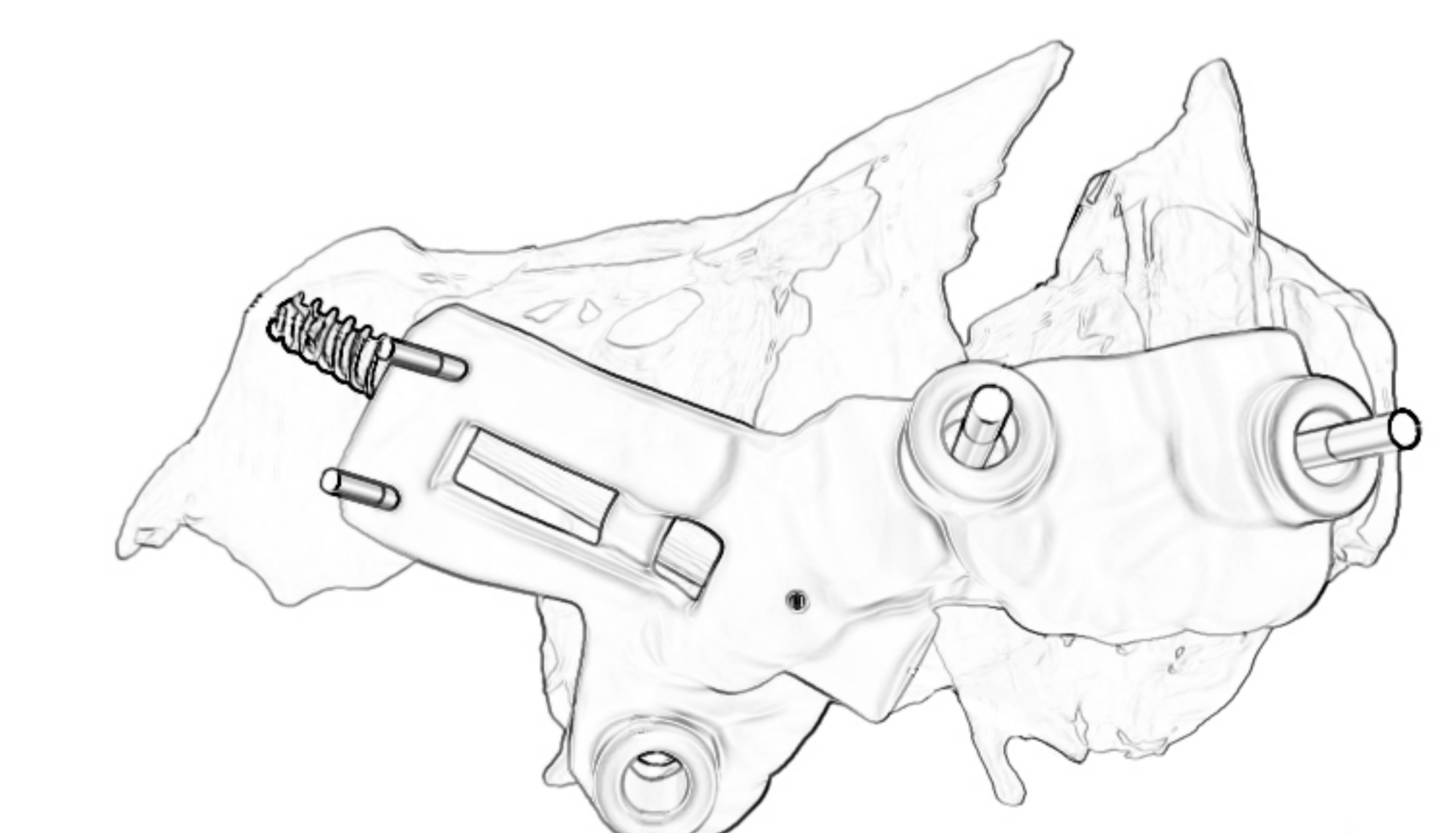
B Guide placement
Once sufficient flap has been raised, the placement of the surgical guide must be accurate, stable, and adherent to the bone-bearing surface

C Guide Retention
Use anchor pin and osteosynthesis screws to support guide for tight fit.



D Locate osteotomy site
Use guide as reference to drill osteotomy site

C Implant placement
Deliver implants



Advance Surgical guide

Bone Reduction guide

The purpose of bone reduction is to create the interarch space needed for the planned future prosthesis or to partly decrease the irregular topography of the knife-edge thin crestal ridge that can impede accurate implant placement.

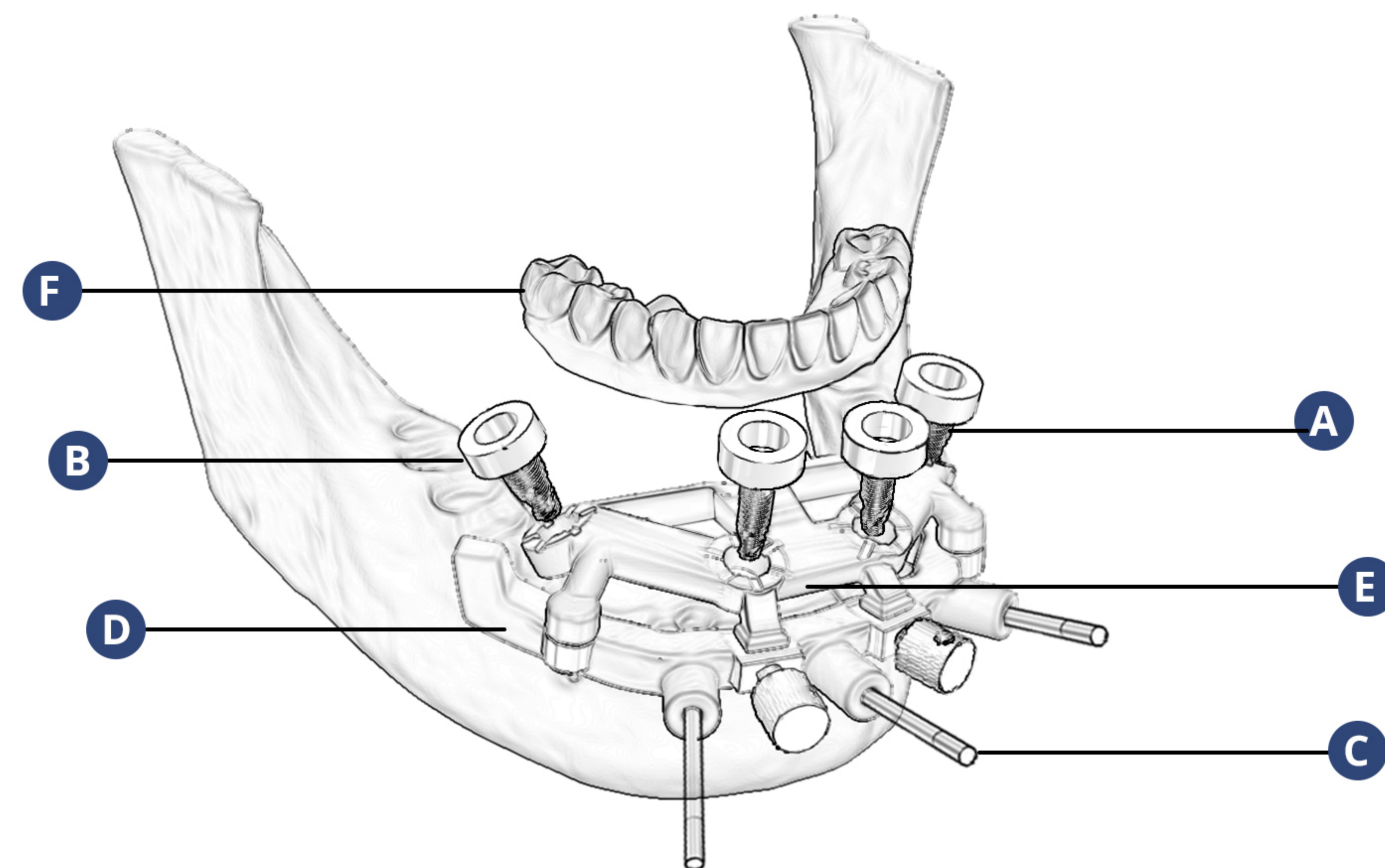
A. Reduction Guide



B. Osteotomy Guide



Application	No. of Sites	Material
Suitable for edentulous cases	4 - 6	3d Biocompatible resin, with sleeves or sleeveless

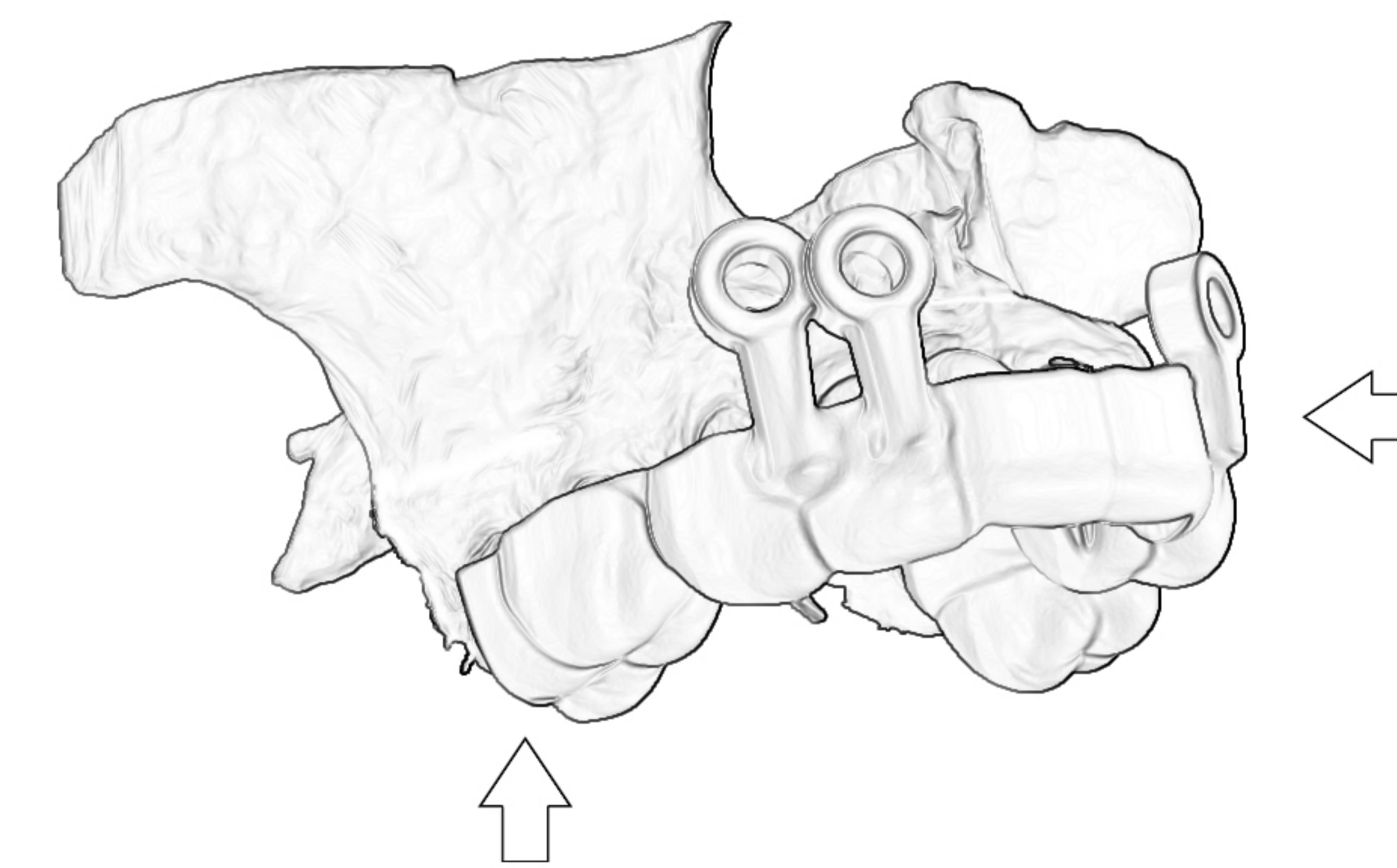


A	B	C	D	E	F
Implant	Sleeve	Anchor pin	Reduction guide	Osteotomy guide	Prosthesis

Workflow Bone Reduction Guide

A Full arch restoration

Full mouth restoration with All on X procedure.

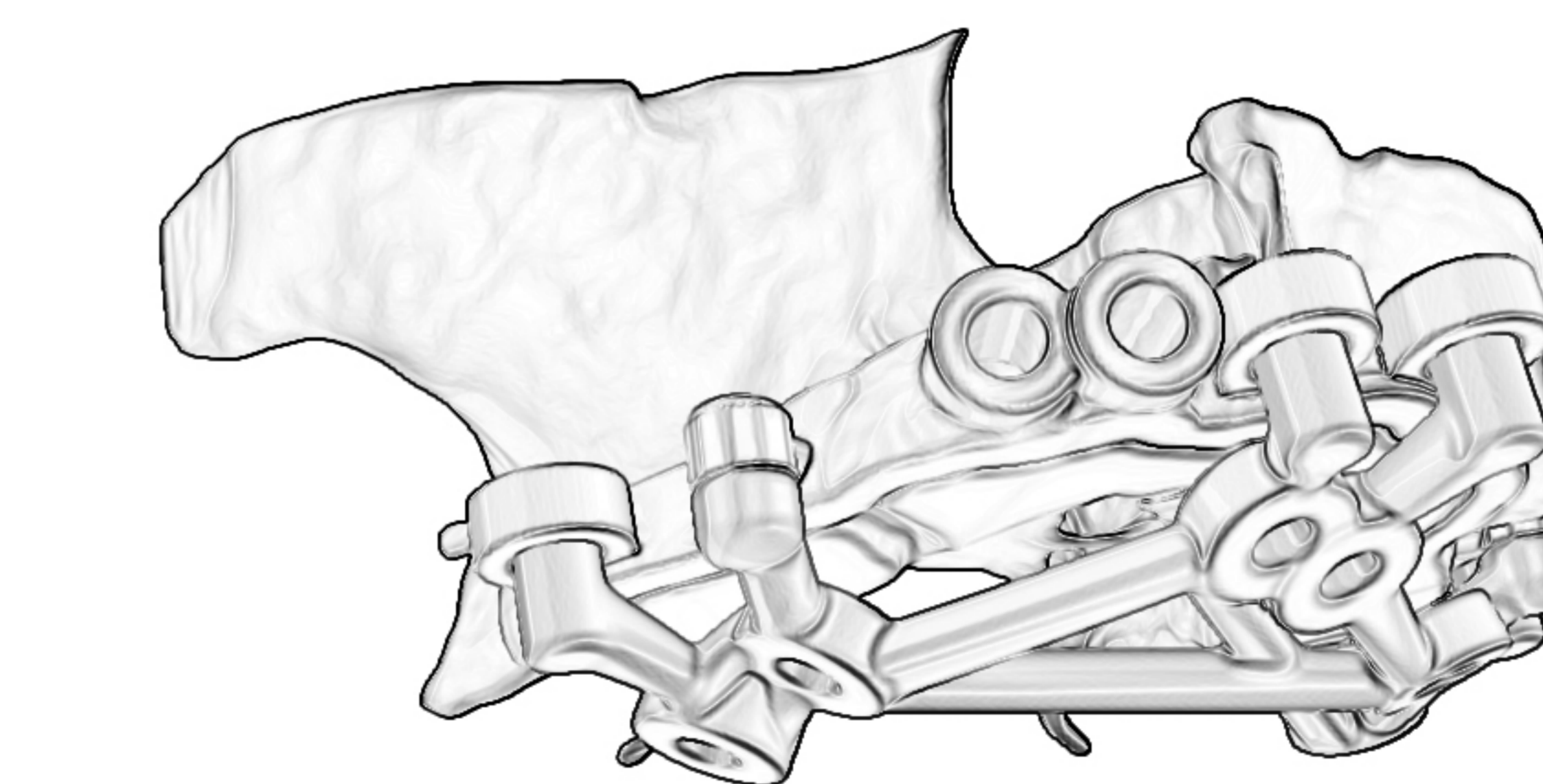
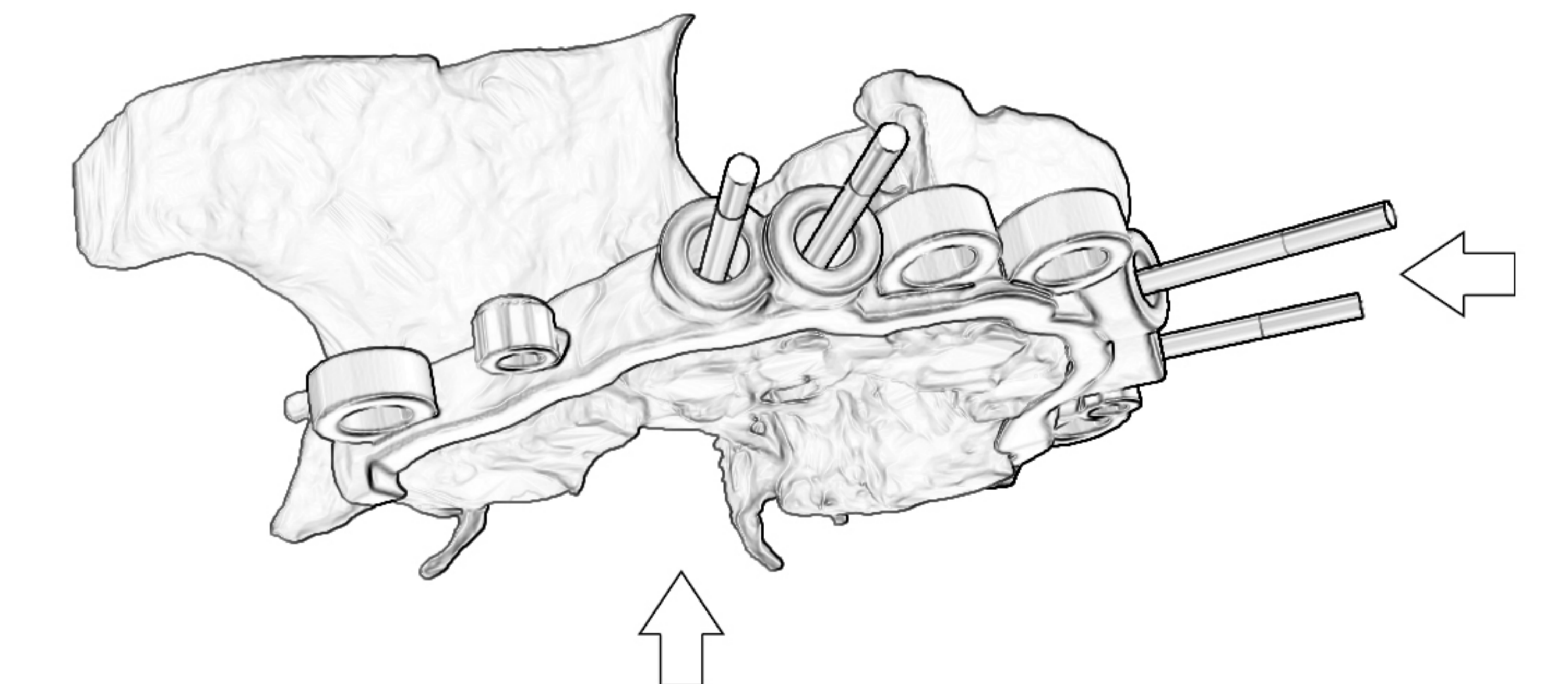


B Pin guide for indexing

Place pin guide over the tooth to mark indexing point for anchor pin following flap or flapless concept.

C Reduction Guide

Use anchor pin as per the indexing to secure bone reduction guide. Use bone reduction guide as reference for bone leveling.

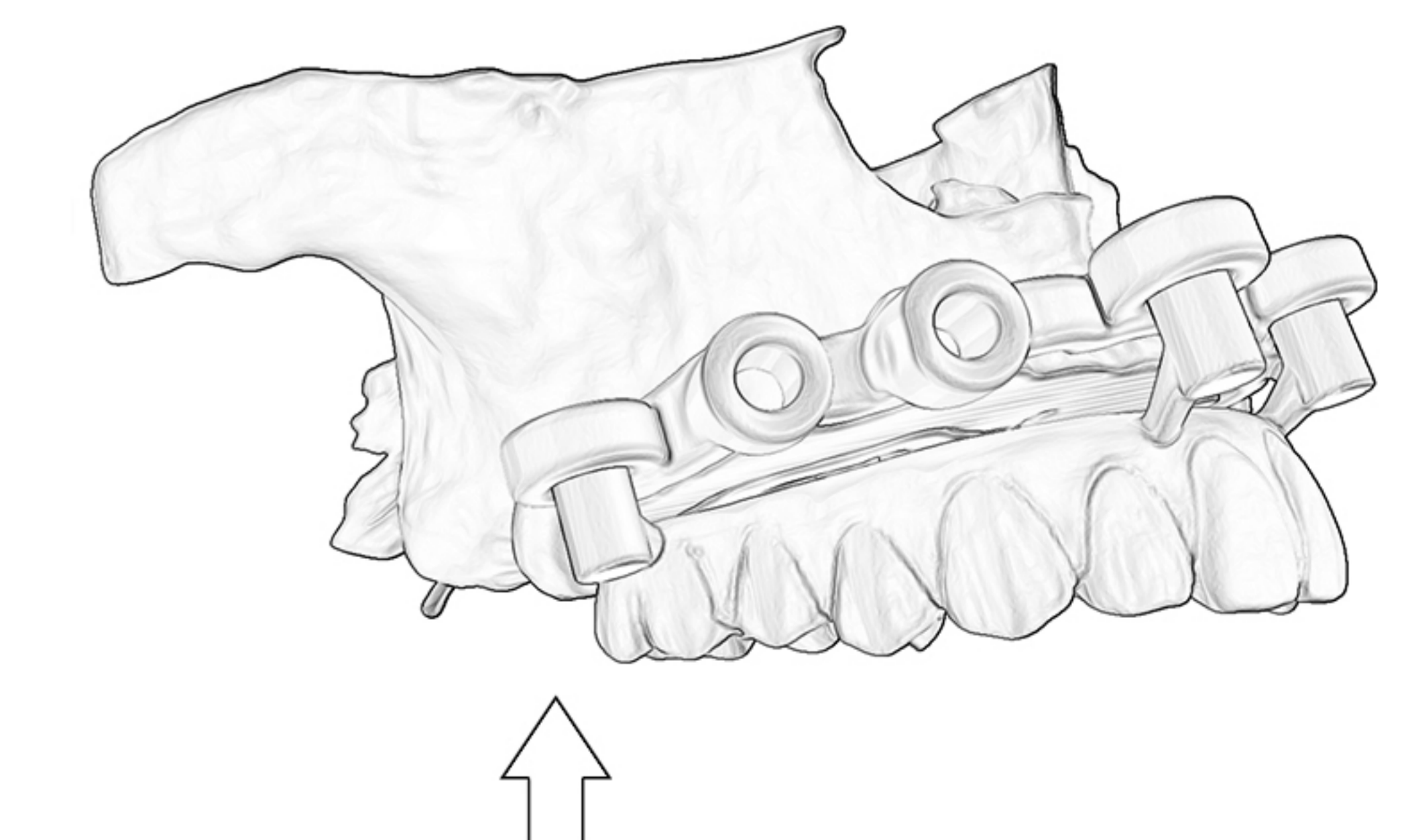


D Locate osteotomy site

Stack osteotomy guide over reduction guide to locate osteotomy site

C Immediate loading

Stacking of prosthesis over osteotomy guide for immediate loading of prosthesis.



Premium Surgical guide

Metal Reduction guide

Advance metallic guide designed to provide precise & accurate placement of dental implants ensuring that your **ALL ON X** procedure is a success. Made from high quality medical grade metal, our custom made guides are created using the latest digital technology to ensure a perfect fit and precise implant placement.



Application	No. of Sites	Material
Full arch all-metal guide for bone reduction & implant placement	4 - 6	Cobalt-CHROME guides



A. Reduction & Osteotomy Guide



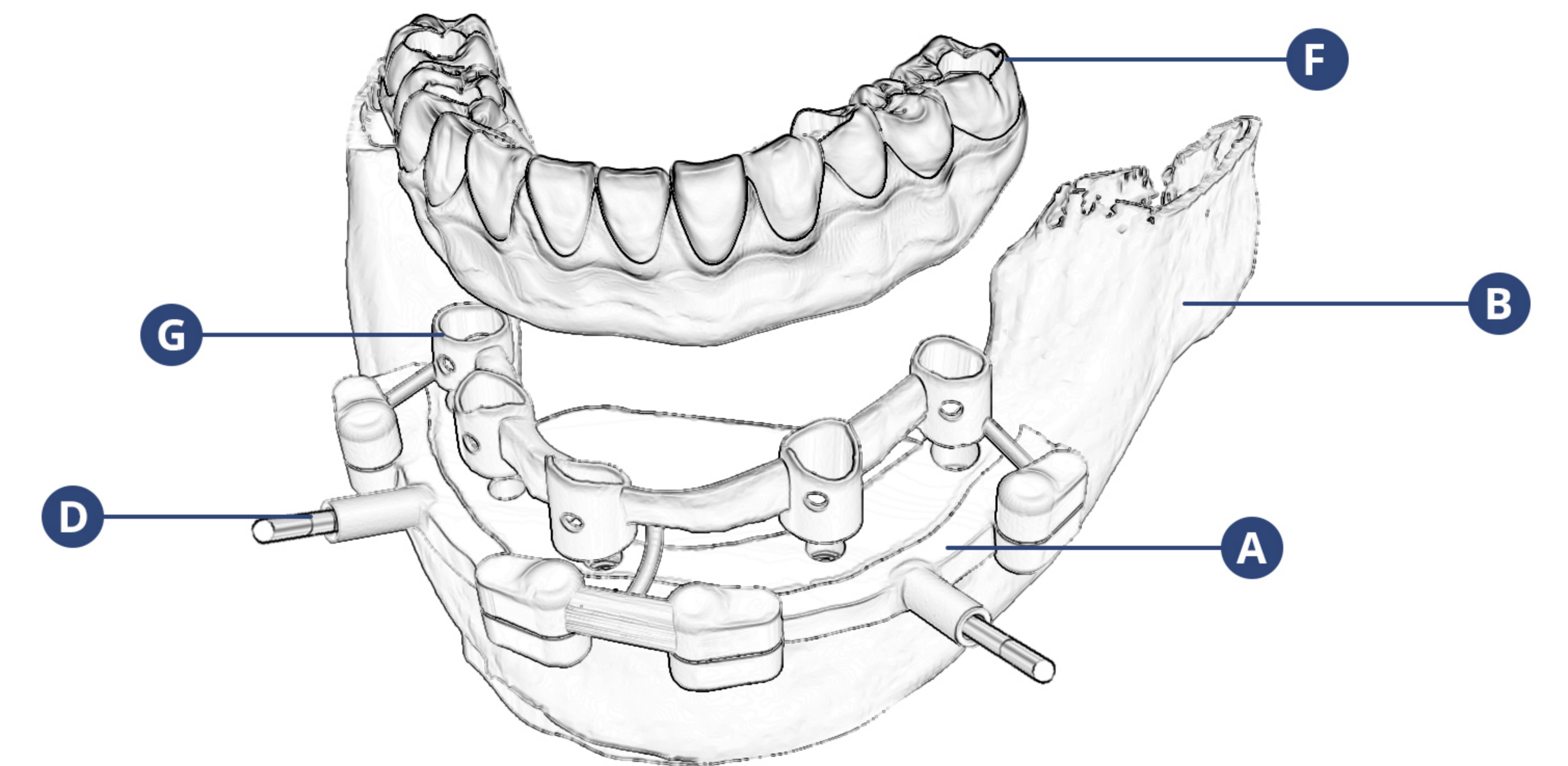
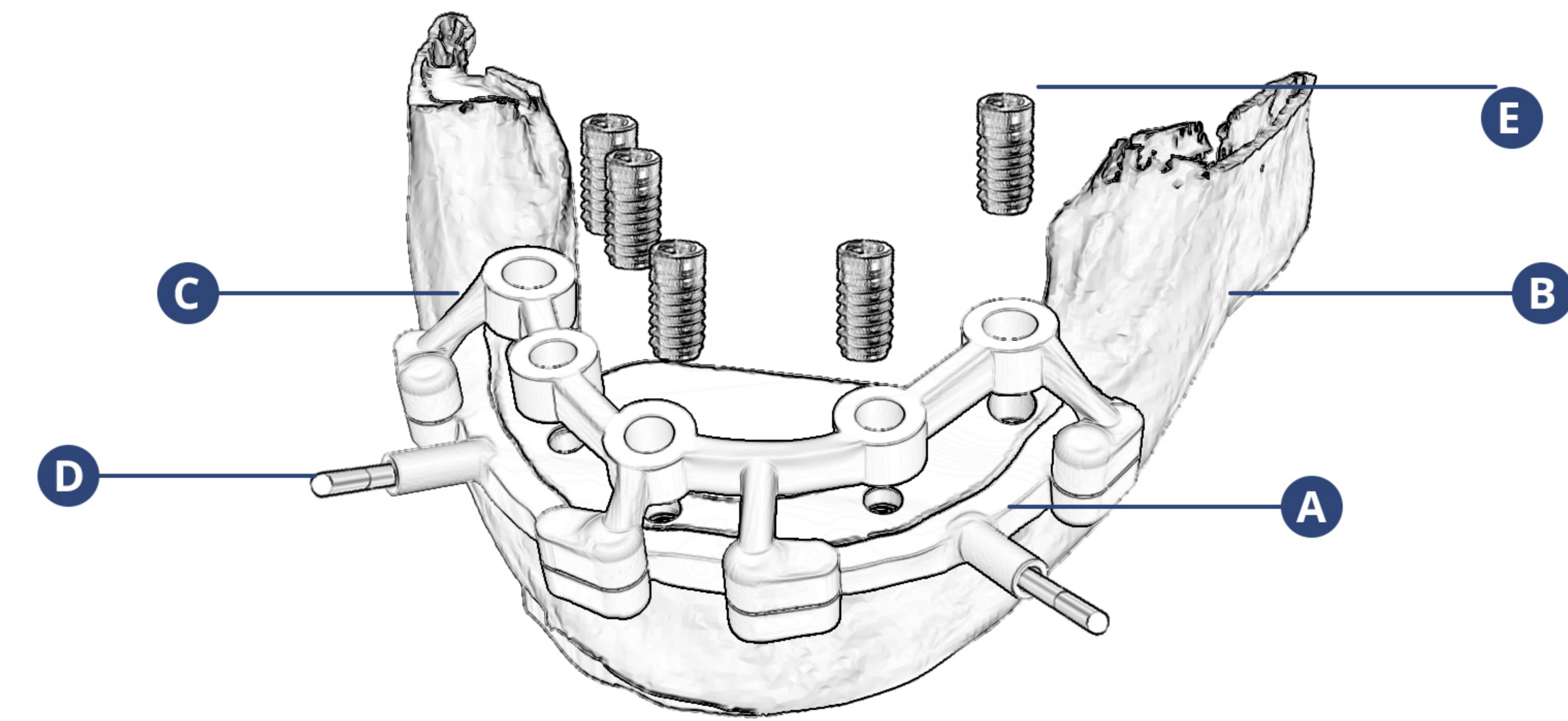
C. Prosthesis



B. Reinforcement bar



Premium Surgical guide

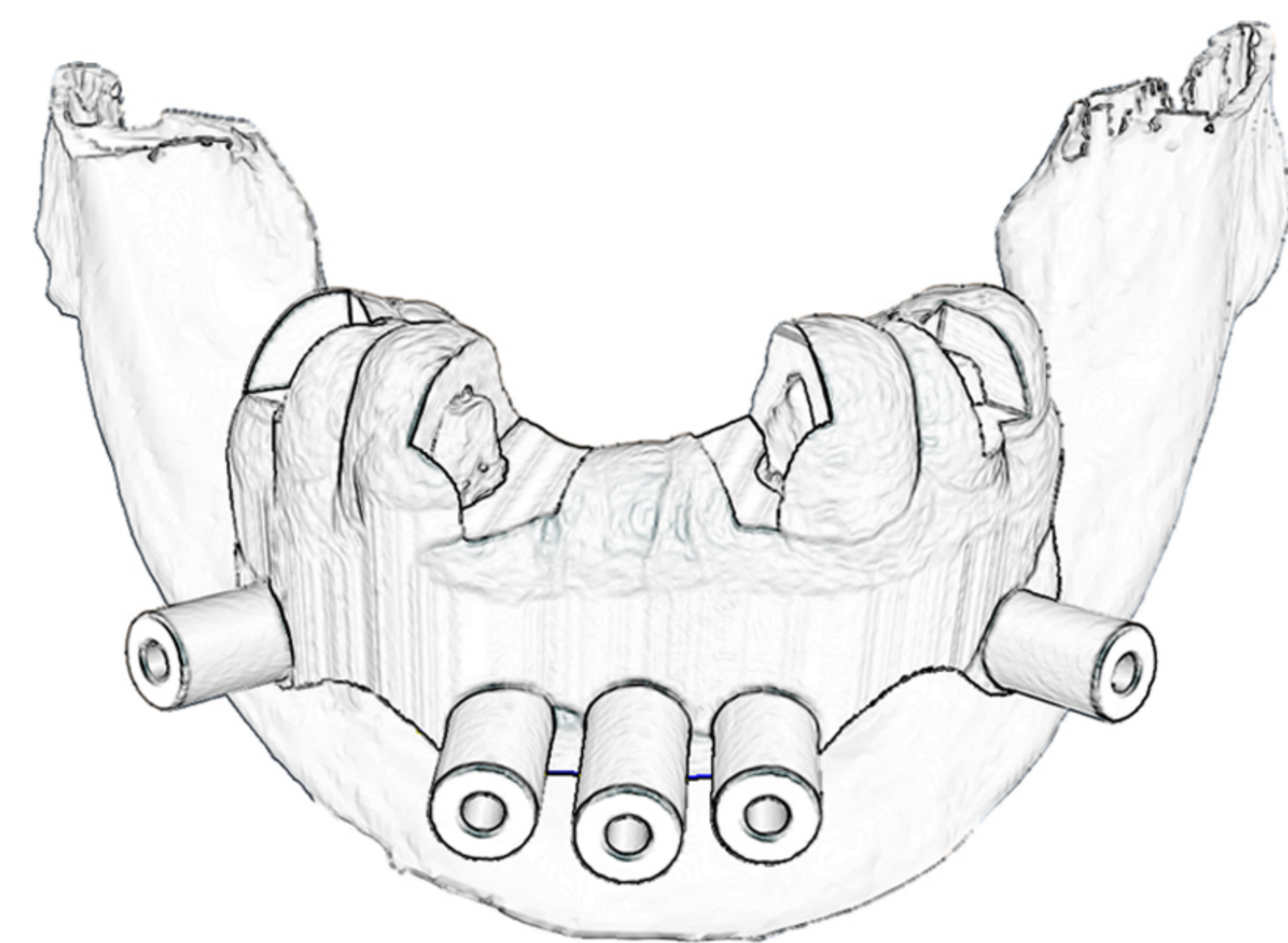
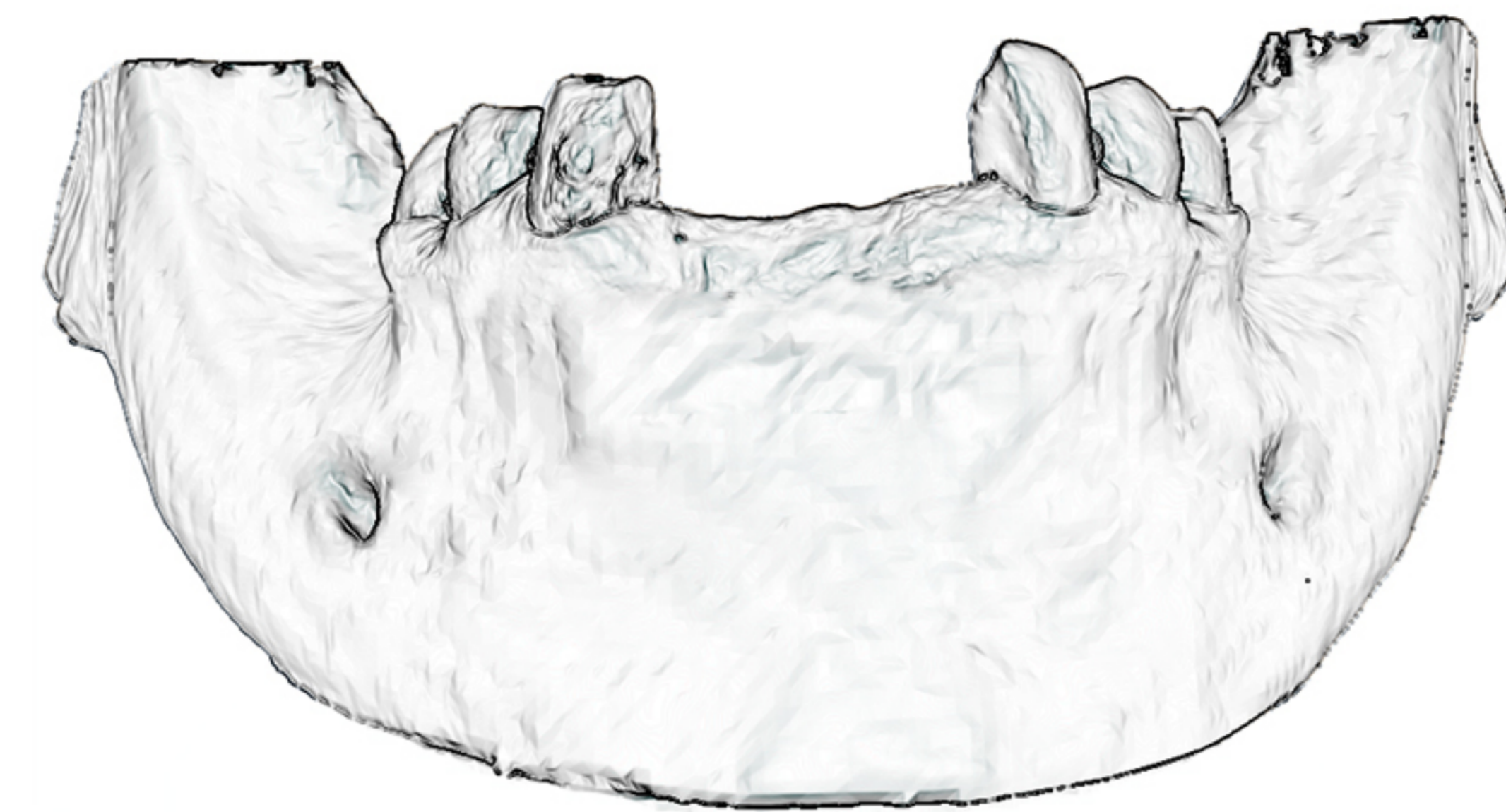


A	B	C	D	E	F	G
Reduction guide	Bone	Osteotomy Guide	Anchor pin	Implant	Prosthesis	Reinforcement Bar

Workflow Metal Guide

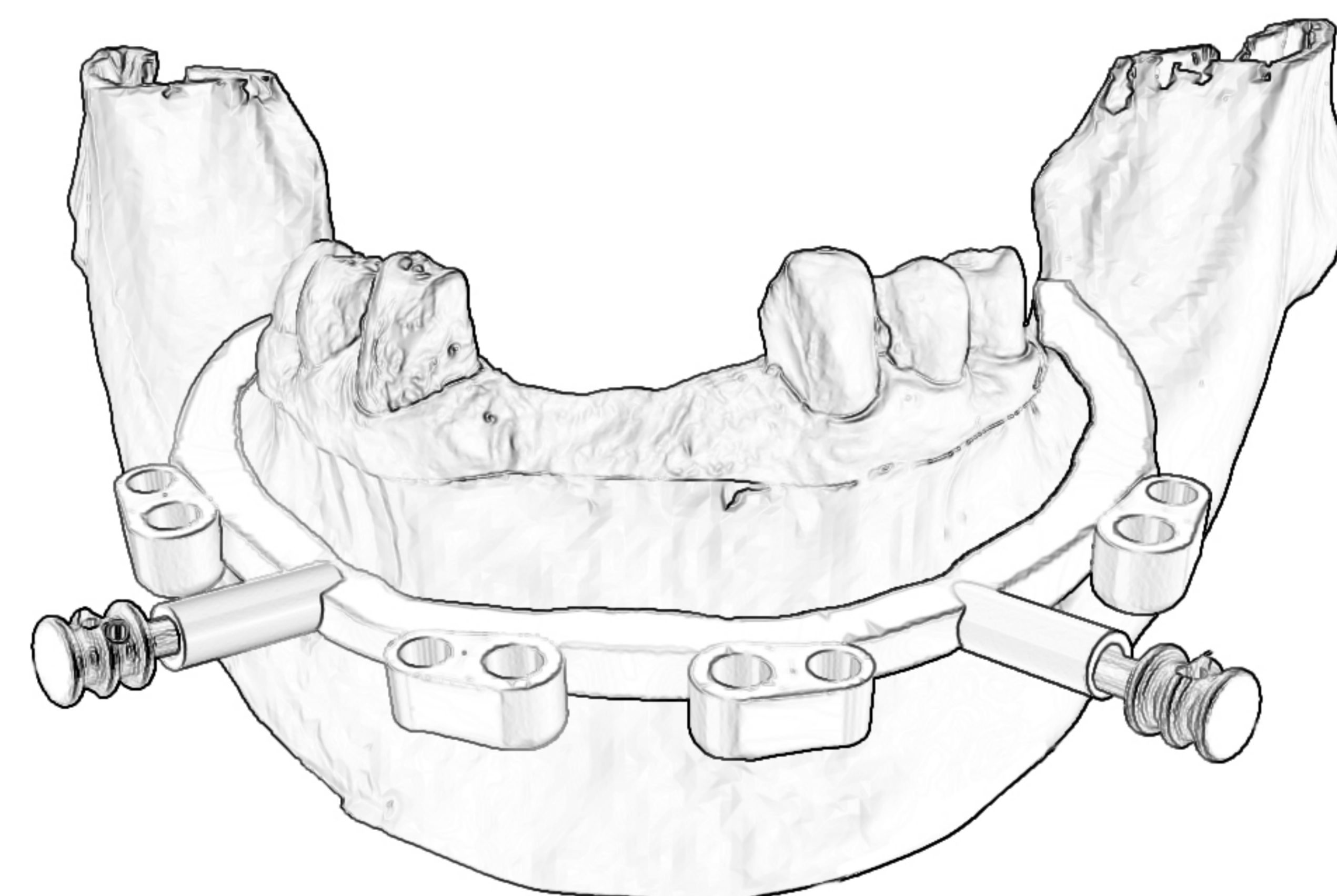
A Full arch restoration

Full mouth restoration with All on X procedure.



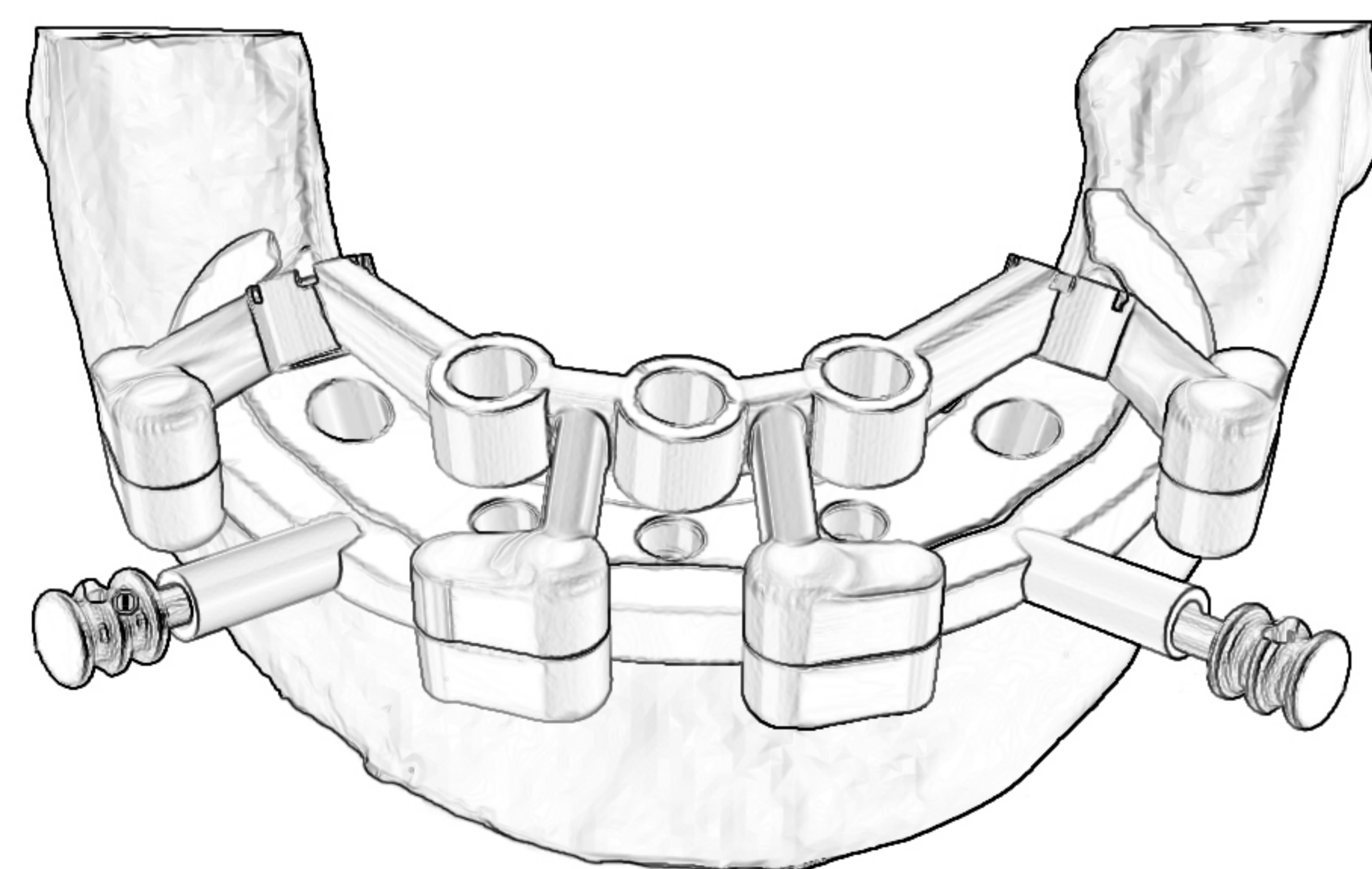
B Indexing

Place pin guide over the teeth to mark indexing point for anchor pin



C Bone leveling

Place bone reduction guide use anchor pin to secure guide. Use bone reduction guide as reference to trim bone



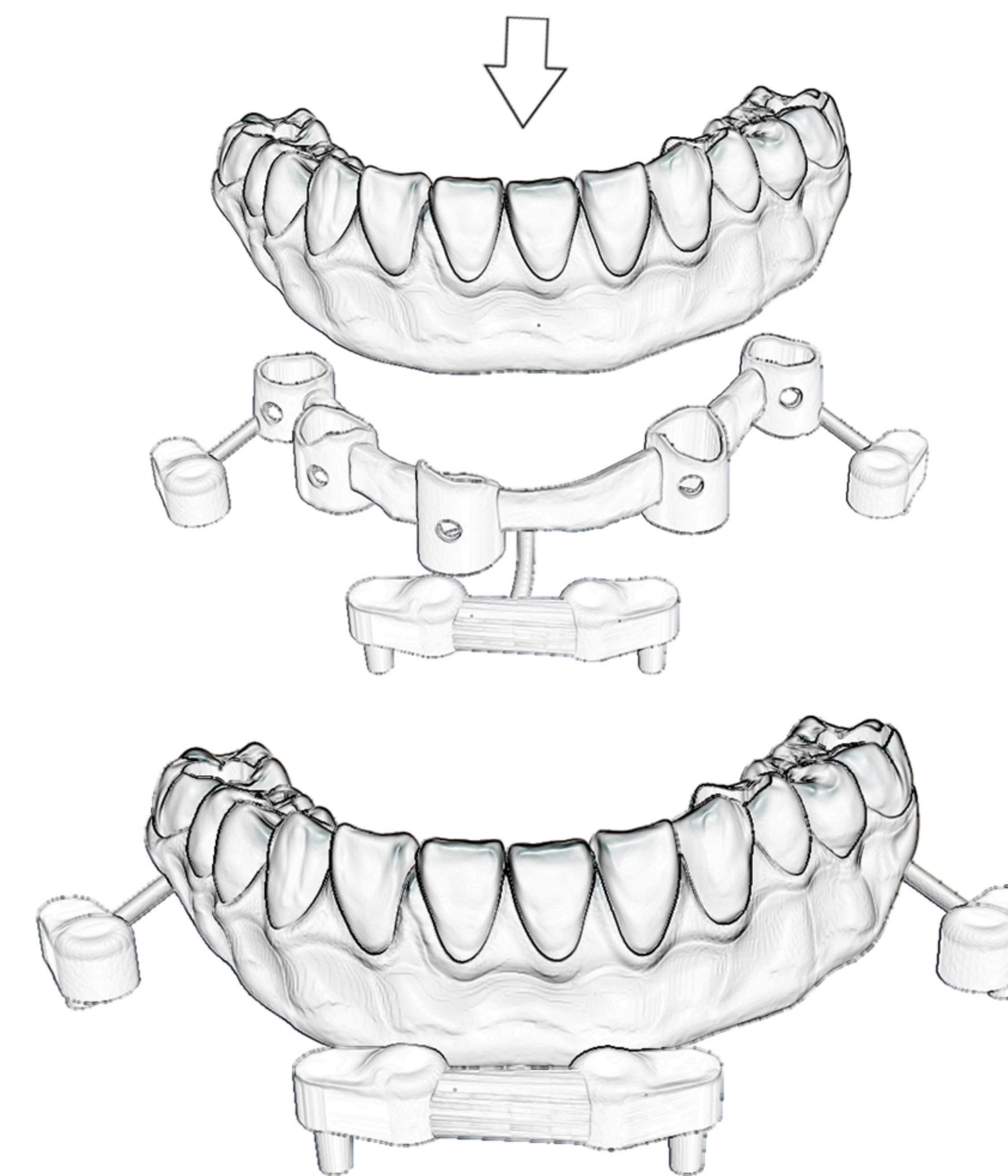
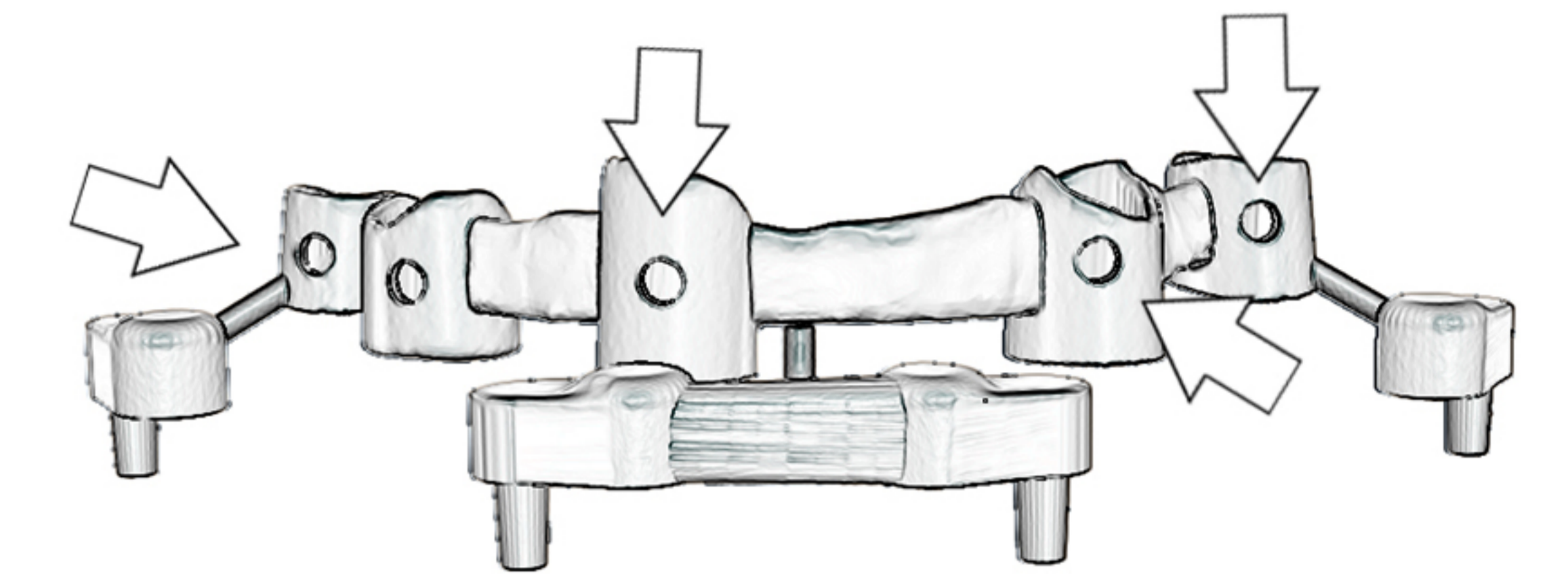
D Osteotomy guide

Stack osteotomy guide on top of reduction guide to locate drill site

Workflow Metal Guide

E Cylinder pickup in metal bar

Instead of picking up cylinders in the temporary, you pick them up in this reinforcement bar by injecting material into the facial injection holes

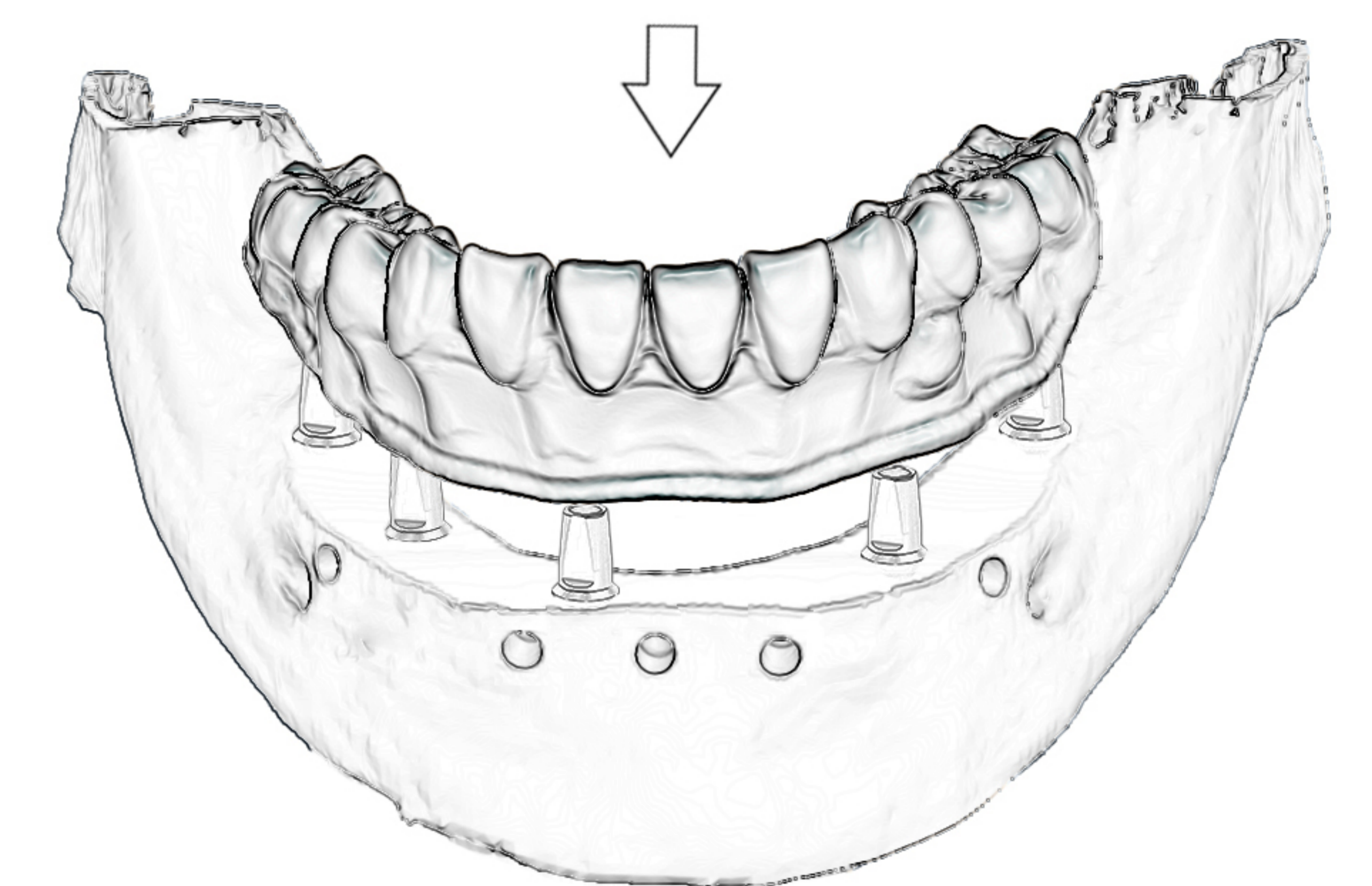


F Stacking temporary with Metal bar

Temporary would be attached to the reinforcement bar outside the mouth after picking up cylinders in the substructure

G Immediate loading

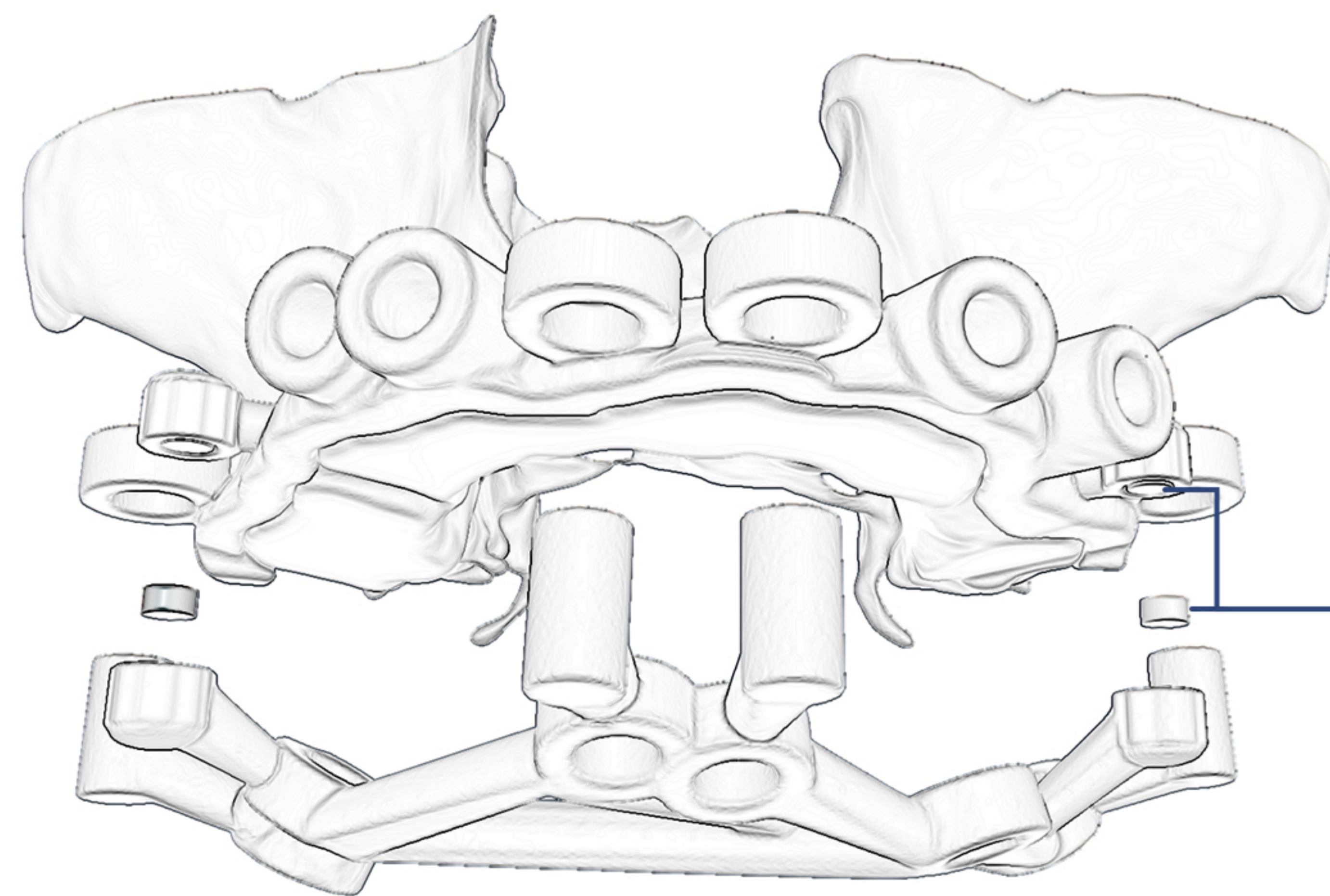
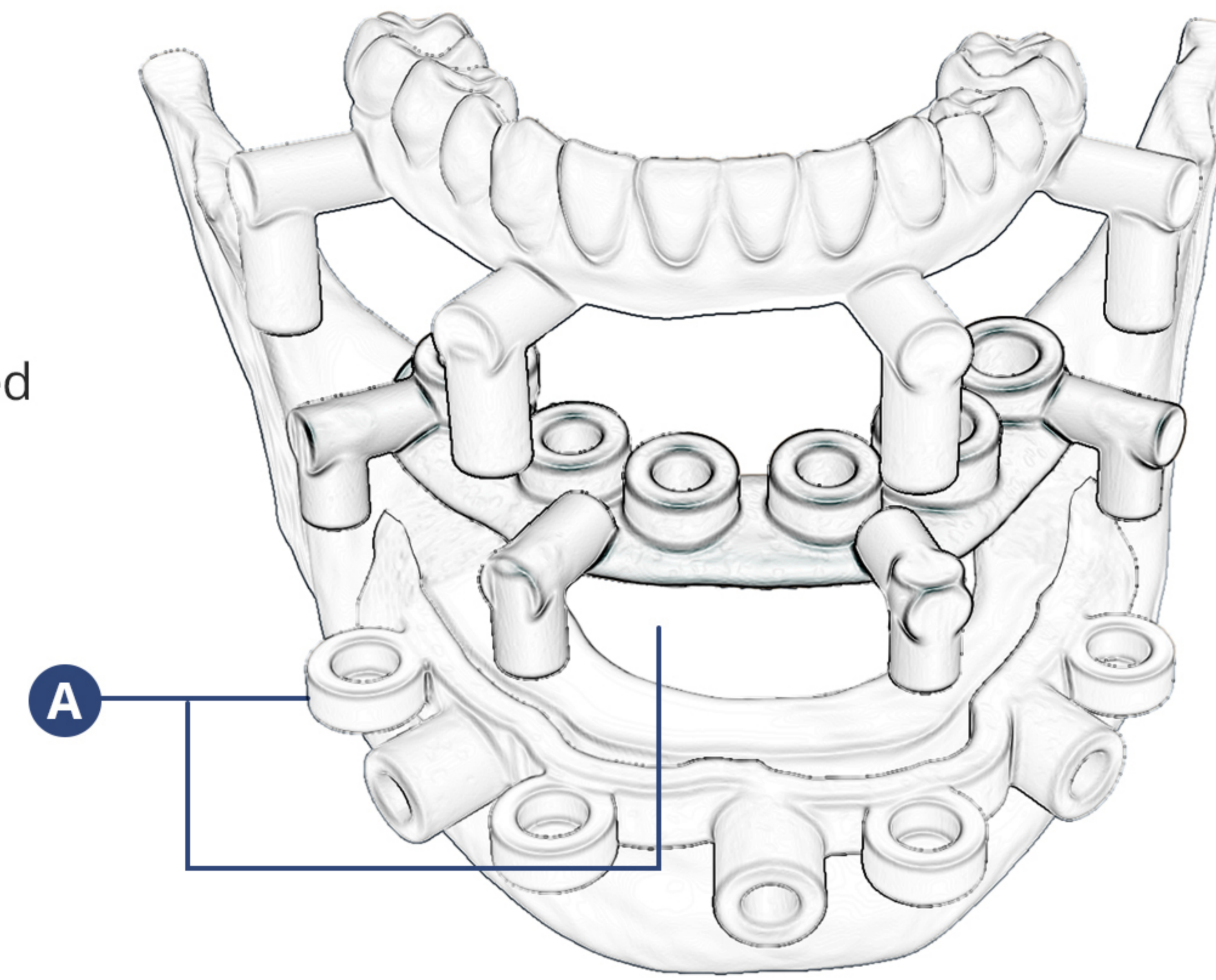
The connectors are cut away leaving you a metal reinforced temporary which is then used for immediate loading



Stacking Techniques

A Regular stacking

Full mouth restoration with regular stackable guide. Flap needs to be raised both buccal side.



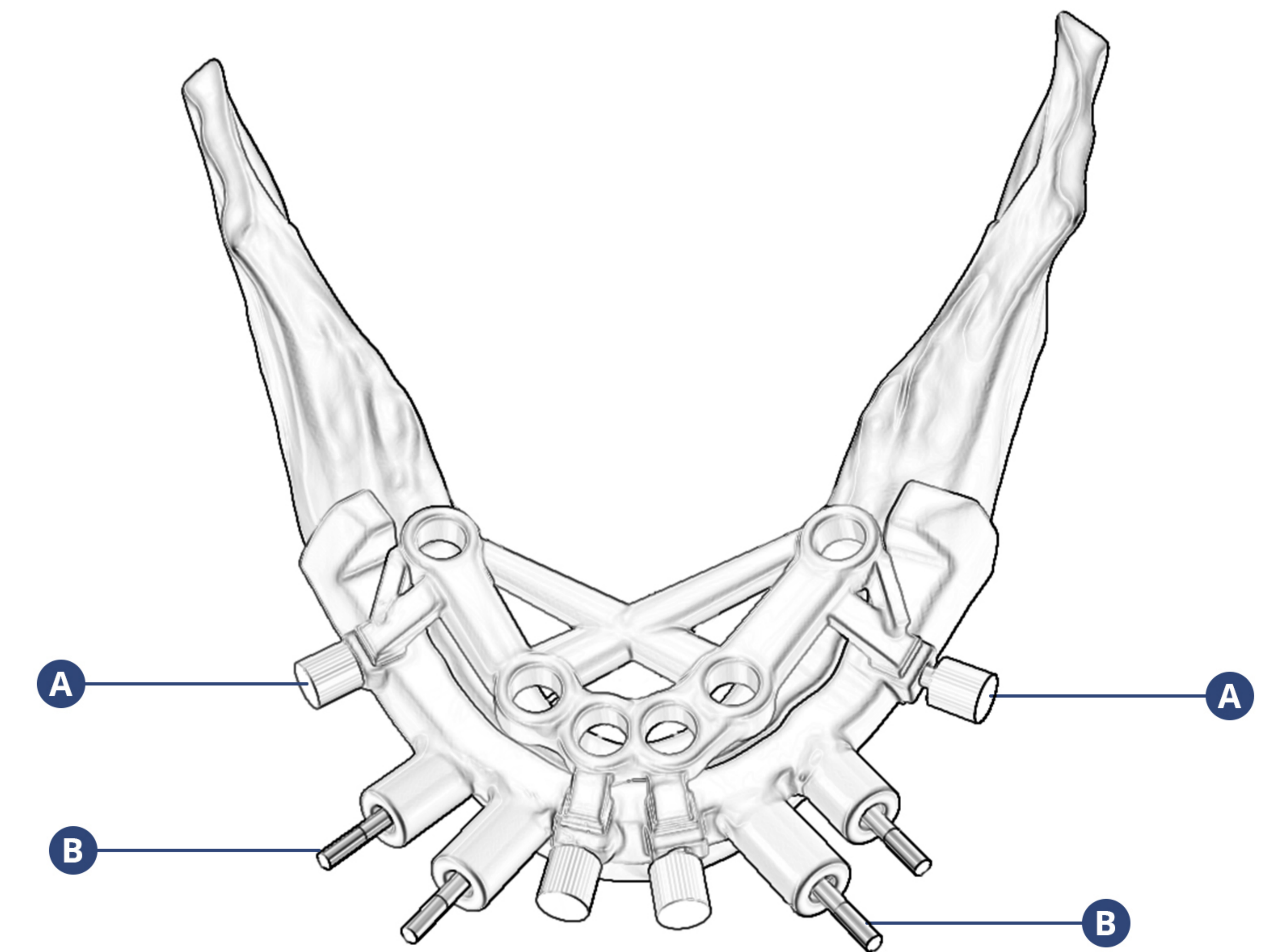
B Magnetic Stacking

In buccal supported guide Magnet is used to secure osteotomy and reduction guide.

B
Magnet

A	B
Regular stacking	Magnetic stacking

Stacking Techniques



Lock stacking

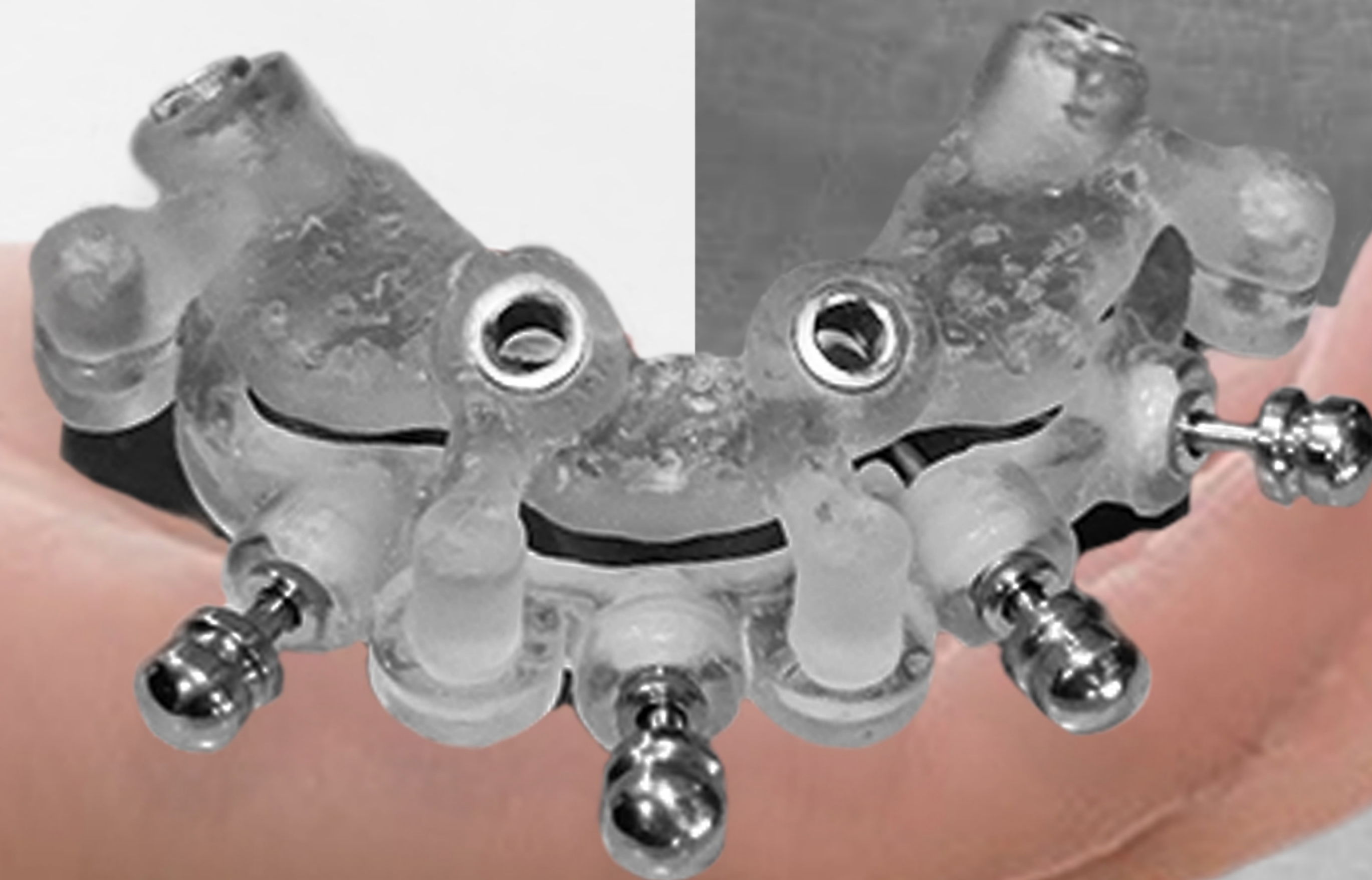
Once osteotomy guide is stacked on top of and reduction guide it is then secured via a locking unit along with anchor pin

A	Locking unit
B	Anchor Pin



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