

Dynamic Navigation for Dental Implant Placement

Gabor Tamas Pinter¹, Roland Decker¹, Gabor Szenasi², Peter Barabas¹, Tamas Huszar¹

¹Department of Oro-Maxillofacial Surgery and Stomatology, Faculty of Dentistry, Semmelweis University ²Doctoral School Of Theoretical And Translational Medicine, Schools of PhD Studies, Semmelweis University

Corresponding Author

Tamas Huszar

husztam1@gmail.com

Citation

Pinter, G.T., Decker, R., Szenasi, G., Barabas, P., Huszar, T. Dynamic Navigation for Dental Implant Placement. *J. Vis. Exp.* (187), e63400, doi:10.3791/63400 (2022).

Date Published

September 13, 2022

DOI

10.3791/63400

URL

jove.com/video/63400

Materials

Name	Company	Catalog Number	Comments
DTX Implant Studio Software	Nobel Biocare	106182	3D surgical planing software
MeshLab	ISTI - CNR research center	2020.12	3D mesh processing software
Nobel Replace CC implant	Nobel Biocare	37285	Implant
X-Guide	X-Nav - Nobel Biocare	SN00001310	dynamic navigation surgery system
X-Guide - XClip	X-Nav - Nobel Biocare	XNVP008381	3D navigation registration device
X-Guide planing software	X-Nav - Nobel Biocare	XNVP008296	3D surgical planing and operating software
X-Mark probe	X-Nav - Nobel Biocare	XNVP008886	3D navigation registration tool
PaX-i3D Smart	Vatech		CBCT
Prolene 5.0			5.0 monofilament, nonabsorbable polypropylene suture