

Real-Time Dynamic Navigation System for the Precise Quad-Zygomatic Implant Placement in a Patient with a Severely Atrophic Maxilla

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Materials

Name	Company	Catalog Number	Comments
Bistoury scalpel	Hufriedy Group	10-130-05	
Branemark system zygoma TiUnite RP 35mm	Nobel Biocare AB	34724	TiUnite implant with overlength to place from the maxilla to the zygoma
Branemark system zygoma TiUnite RP 40mm	Nobel Biocare AB	34735	TiUnite implant with overlength to place from the maxilla to the zygoma
Branemark system zygoma TiUnite RP 42.5mm	Nobel Biocare AB	34736	TiUnite implant with overlength to place from the maxilla to the zygoma
Branemark system zygoma TiUnite RP 45mm	Nobel Biocare AB	34737	TiUnite implant with overlength to place from the maxilla to the zygoma
Branemark system zygoma TiUnite RP 47.5mm	Nobel Biocare AB	34738	TiUnite implant with overlength to place from the maxilla to the zygoma
Branemark system zygoma TiUnite RP 50mm	Nobel Biocare AB	34739	TiUnite implant with overlength to place from the maxilla to the zygoma
Branemark system zygoma TiUnite RP 52.5mm	Nobel Biocare AB	34740	TiUnite implant with overlength to place from the maxilla to the zygoma
CBCT	Planmeca Oy,Helsinki, Finland	Pro Max 3D Max	
connection to handpiece	Nobel Biocare AB	29081	the accessories to connect the instrument
Drill guard	Nobel Biocare AB	29162	the accessories to protect the lips and soft tissue during the surgery
Drill guard short	Nobel Biocare AB	29162	the accessories to protect the lips and soft tissue during the surgery
Handpiece zygoma 20:1	Nobel Biocare AB	32615	the basic instrument for implant drill
Instrument adapter array size L	BRAINLAB AG	41801	
Instrument adapter array size M	BRAINLAB AG	41798	

Instrument calibration matrix	BRAINLAB AG	41874	a special tool for drill to calibration
I-plan automatic image fusion software STL data import/export for I-plan VectorVision2®, (I-plan CMF software)	BRAINLAB AG	inapplicability	the software for navigation surgery planning
Multi-unit abutment 3mm	Nobel Biocare AB	32330	the connection accessory between the implant and the titanium base
Multi-unit abutment 5mm	Nobel Biocare AB	32331	the connection accessory between the implant and the titanium base
Periosteal elevator	Hufriedy Group	PPR3/9A	the instrument for open flap surgery
Pilot drill	Nobel Biocare AB	32630	the drill for the surgery
Pilot drill short	Nobel Biocare AB	32632	the drill for the surgery measuring the depth of the implant holes
Pointer with blunt tip for cranial/ENT	BRAINLAB AG	53106	
Reference headband star	BRAINLAB AG	41877	
Round bur	Nobel Biocare AB	DIA 578-0	the drill for the surgery
Screwdriver manual	Nobel Biocare AB	29149	
Skull reference array	BRAINLAB AG	52122	a special made metal reference for navigation camera to receive the signal
Skull reference base	BRAINLAB AG	52129	
Suture vicryl 4-0	Johnson & Johnson, Ethicon	VCP310H	
Temporary coping multi-unit titanium (with prosthetic screw)	Nobel Biocare AB	29046	the temporary titanium base to fix the teeth
Titanium mini-screw	CIBEI	MB105-2.0*9	the mini-screw for navigation registration
Twist drill	Nobel Biocare AB	32628	the drill for the surgery
Twist drill short	Nobel Biocare AB	32629	the drill for the surgery
Zygoma depth indicator angled	Nobel Biocare AB	29162	
Zygoma depth indicator straight	Nobel Biocare AB	29162	the measurement scale for
Zygoma handle	Nobel Biocare AB	29162	the instrument for zygomatic implant placement