

Multi-Unit Abutment Guide



SpiralTech[™]
Superior Dental Implants

Screw-Retained & Multi-Unit Restorations

Our multi-unit abutment system is designed for restoration of both partially or fully edentulous arch cases

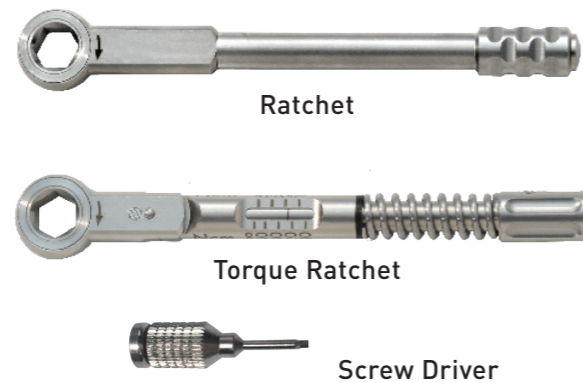
	Facial Height (mm)	1	2	3	4
Straight Multi Abutments	Hex Catalog No.	00MUAH1	00MUAH2	00MUAH3	00MUAH4
	NP Conical Catalog No.	00MUANP1	00MUANP2	00MUANP3	00MUANP4
	RP Conical Catalog No.	00MUARP1	00MUARP2	00MUARP3	00MUARP4
Angled 17° Multi Abutments	Hex Catalog No.	17MUAH1	17MUAH2	17MUAH3	-
	NP Conical Catalog No.	17MUANP1	17MUANP2	17MUANP3	-
	RP Conical Catalog No.	17MUARP1	17MUARP2	17MUARP3	-
Angled 30° Multi Abutments	Hex Catalog No.	30MUAH1	30MUAH2	30MUAH3	-
	NP Conical Catalog No.	30MUANP1	30MUANP2	30MUANP3	-
	RP Conical Catalog No.	30MUARP1	30MUARP2	30MUARP3	-

Abutment Accessories & Prosthetics

Order Number	MUPS0032	MUTS1250	MTMU1200	MTMU8005	MWQP0011	MHCC4550	MAMU1201	MSMU4023
Description	Plastic Sleeve screw included	Titanium Sleeve screw included	Open Tray Transfer screw included	Close tray Transfer	Plastic for Close tray Transfer	Healing Abutment for Multi-Unit	Analog for Multi-Unit	Screw for Multi-Unit Sleeve

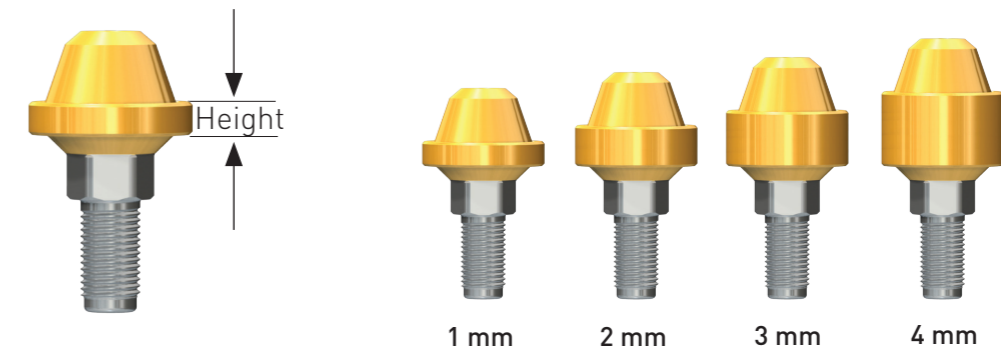
Surgical Tools

	ø 1.25	Hex. 1/4"	-
Product	Hand Driver	Wrench Ratchet	Torque Ratchet
Length	10 mm/15 mm	-	-
Catalog No.	HND10/HND15	WR	SCA635

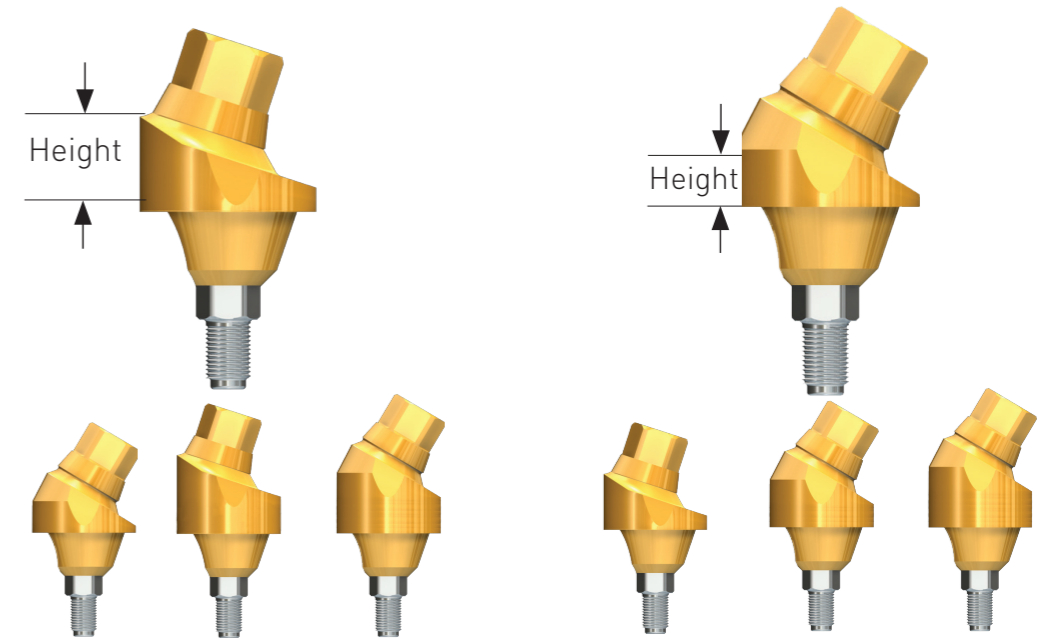


System Overview

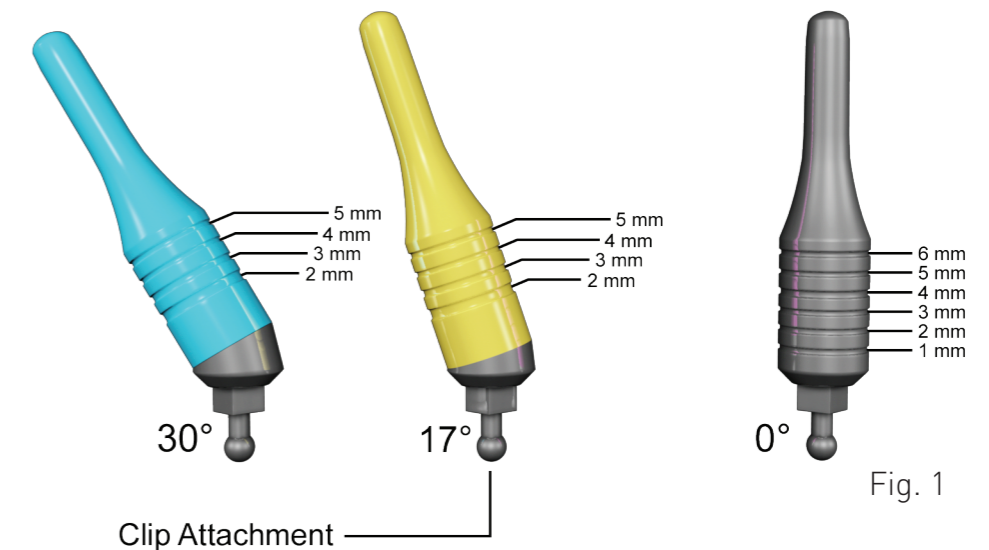
Straight Multi-Unit Abutments in connection with implants can be mounted on five different heights



SpiralTech's Multi-Unit 17° and 30° Angled Abutments are available in three different heights.

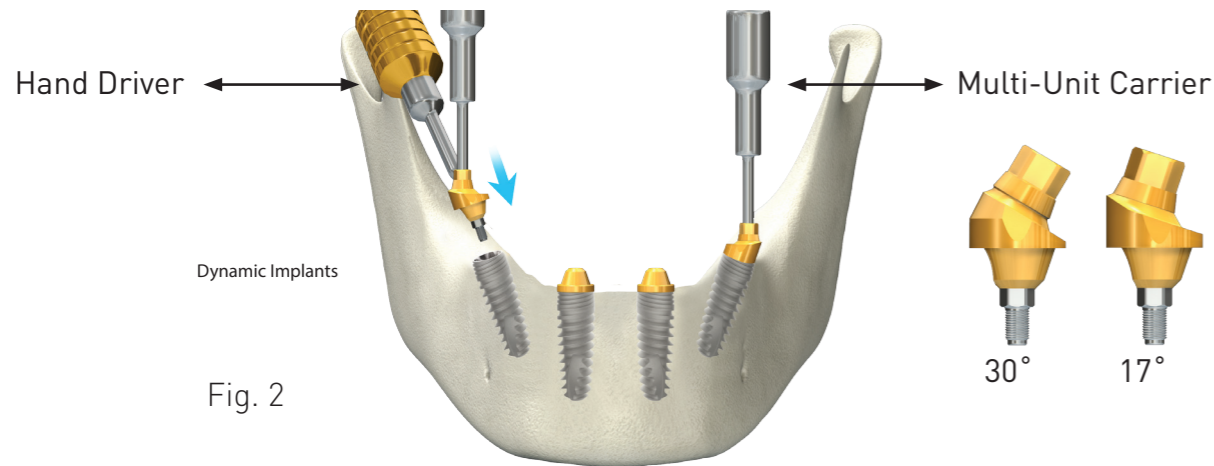


Angle and height clip gauge kit for angle and tissue height selection.



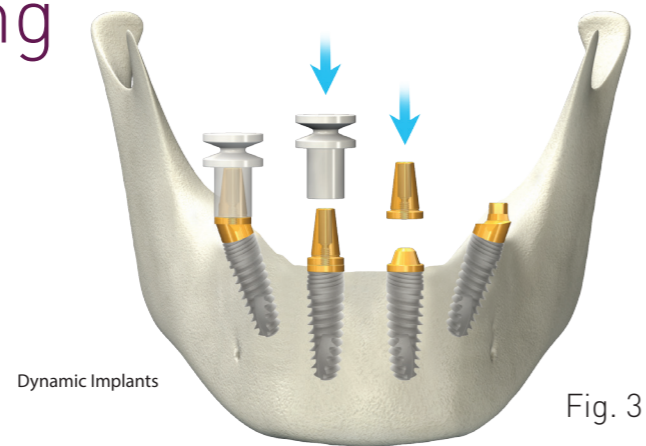
Attach Multi-Unit to Implants

- After selecting the angulation of the multi-unit connectors (Fig.1 on prior page), use a carrier to place the base connection into the implant. (Angled abutment is transferred to the implant with the assistance of the carrier to the multi-unit. Fig. 2)
- Screw the multi-unit holder and hand driver to the selected implant.
- Tighten the multi-unit with the hand driver up to 35Ncm.
- Unscrew and remove the multi-unit carrier.



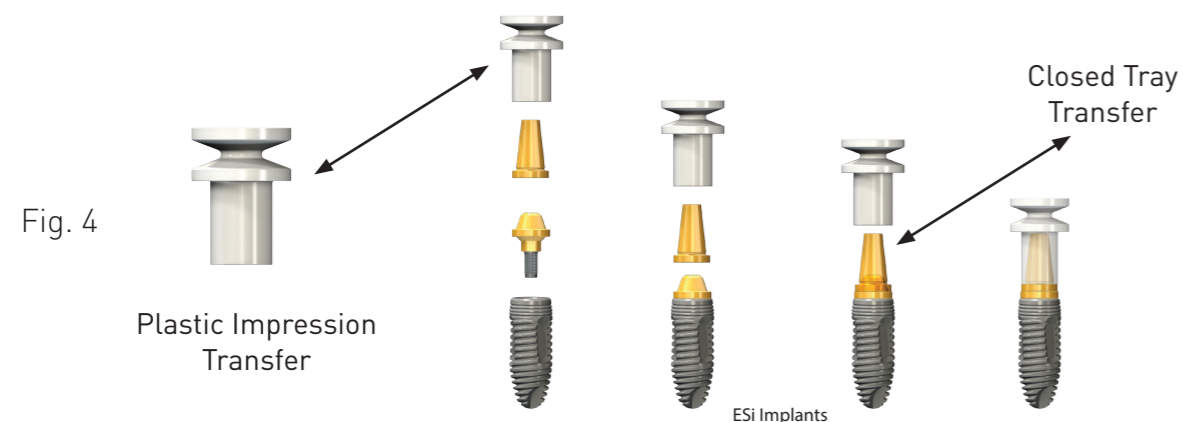
Impression Taking Preparation

- Confirm proper Multi-Unit position, especially in the angled implant. (Make sure that angled multi-unit height is directly at the distal area and connecting screw opening is in a vertical direction.)
- Screw close tray transfer to the Multi-Unit. Tighten up to 35Ncm. (Fig. 3)

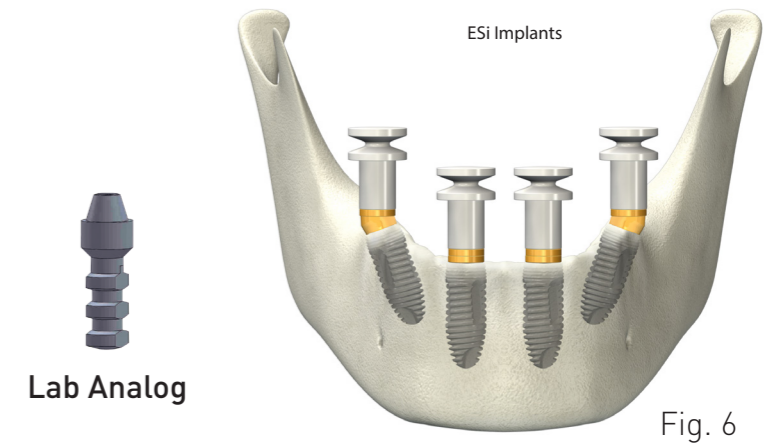
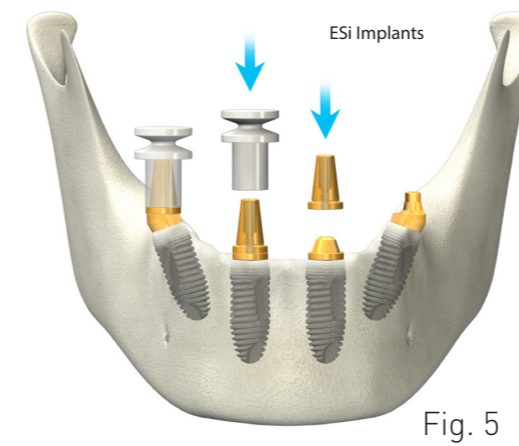


The Closed Tray Impression Option

- Snap the plastic impression transfer into the close tray transfer.
- Screw close-tray transfer and engage it tightly to the multi-unit. (Fig.4)

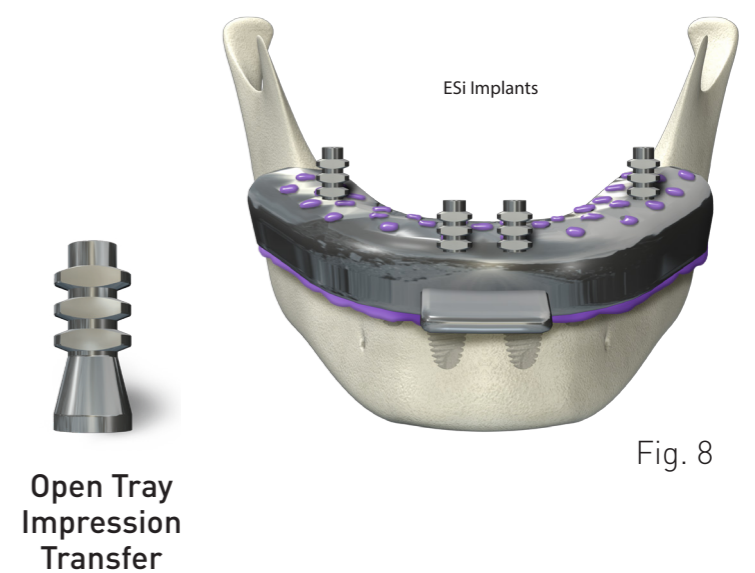
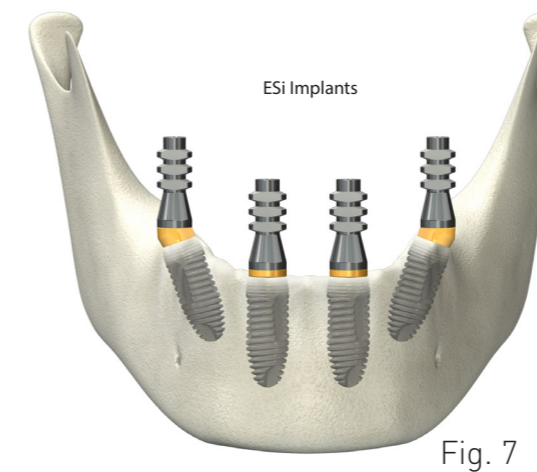


- Screw close-tray transfer and engage it tightly to the multi-unit. (See Figs. 3 and 5)
- Snap the plastic impression transfer into the close-tray transfer. (Make sure to confirm the snap step by applying firm vertical pressure. Fig. 6)
- Select a proper tray.
- Inject impression material around plastic transfer. Place putty in impression material into the impression tray and take records of multi-unit.
- Take record carefully and confirm that impression is fully set.
- Snap out impression from its abutment.
- Remove close-tray transfer from multi-units and connect it to the lab analog.
- Place lab analog back precisely in plastic impression transfer.
- Give to lab.



The Open Tray Impression Option

- Place open tray transfer on multi-unit. Make sure tray fits easily and has proper opening for open impression transfer. (Fig. 7)
- Inject impression material around open tray transfer. Fill tray with putty transfer.
- Position impression tray above implants. Take records. (Fig. 8)
- After impression is set, unscrew open tray impression transfer from multi-unit.
- Connect lab analog to open tray impression transfer.
- Give to lab.



Two Techniques for Connecting Immediate Denture to Patient:

Option 1

- Place healing abutment into multi-unit (Fig. 9)
- Prepare denture to fit properly above healing cap and confirm occlusion.
- Place rubber dam between denture and gum.
- Place acrylic in denture healing cap opening for tight fit.
- Position denture precisely above healing cap and confirm occlusion prior to acrylic hardening. (Fig. 10)
- Remove rubber dam.

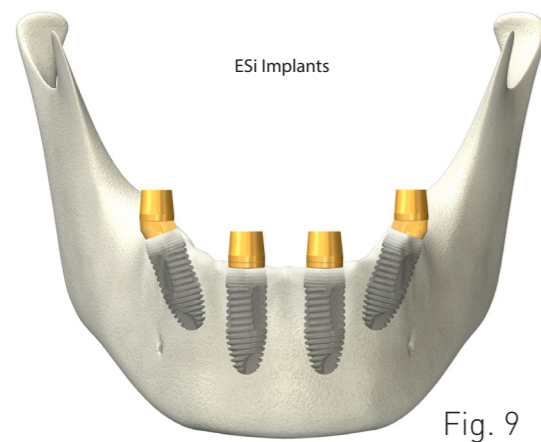


Fig. 9

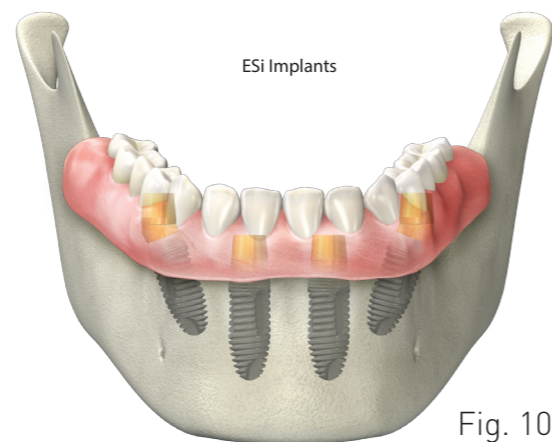


Fig. 10

Option 2

- Place titanium sleeve with the help of multi-unit screw into the multi-unit abutment. (Fig. 11)
- Place rubber dam above the gingival tissue.
- Make hole in the denture so all titanium sleeves can go thru denture.
- Place cold cure acrylic in denture implant opening and insert denture to multi-unit titanium sleeve. Confirm proper position before acrylic sets. (Fig.12)
- Cut the titanium sleeves.
- Cut and remove rubber dam.
- Put cotton roll in the titanium sleeve to protect screw from acrylic.
- Place the composite in all openings and confirm occlusion.

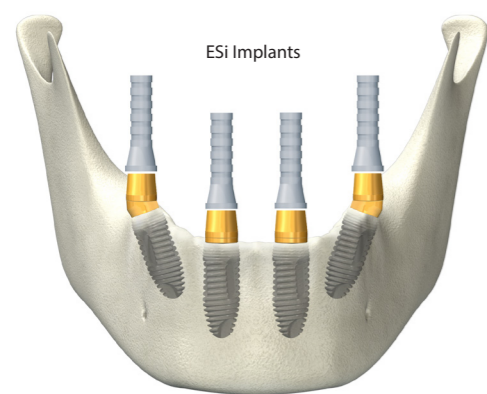


Fig. 11



Titanium Sleeve

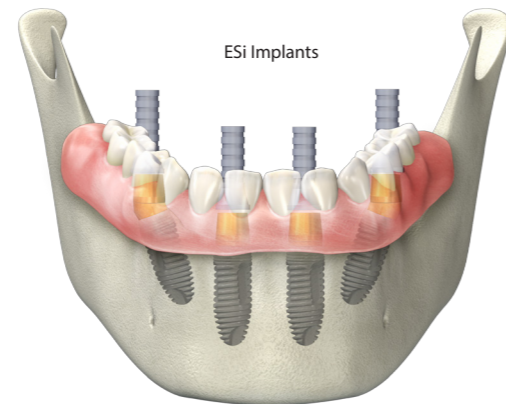
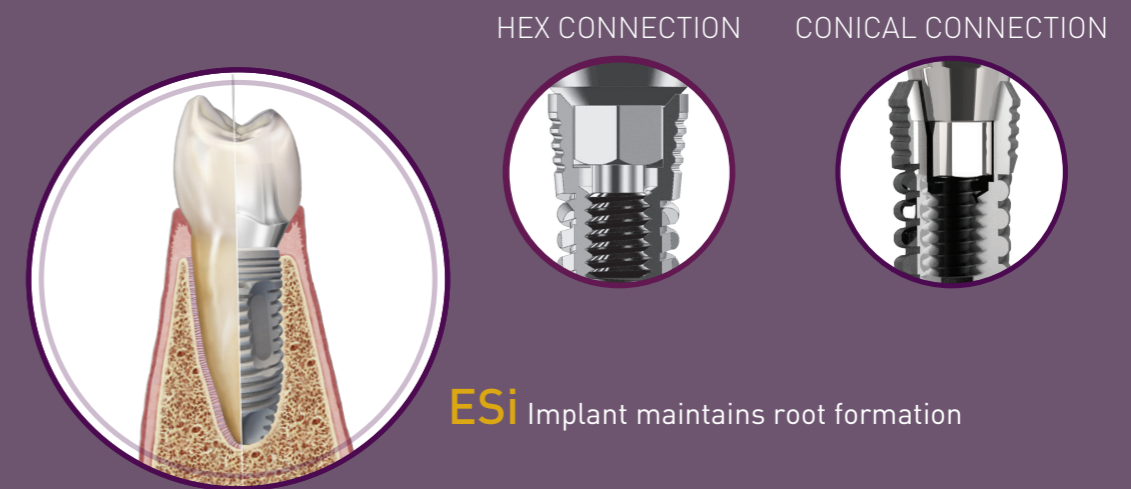
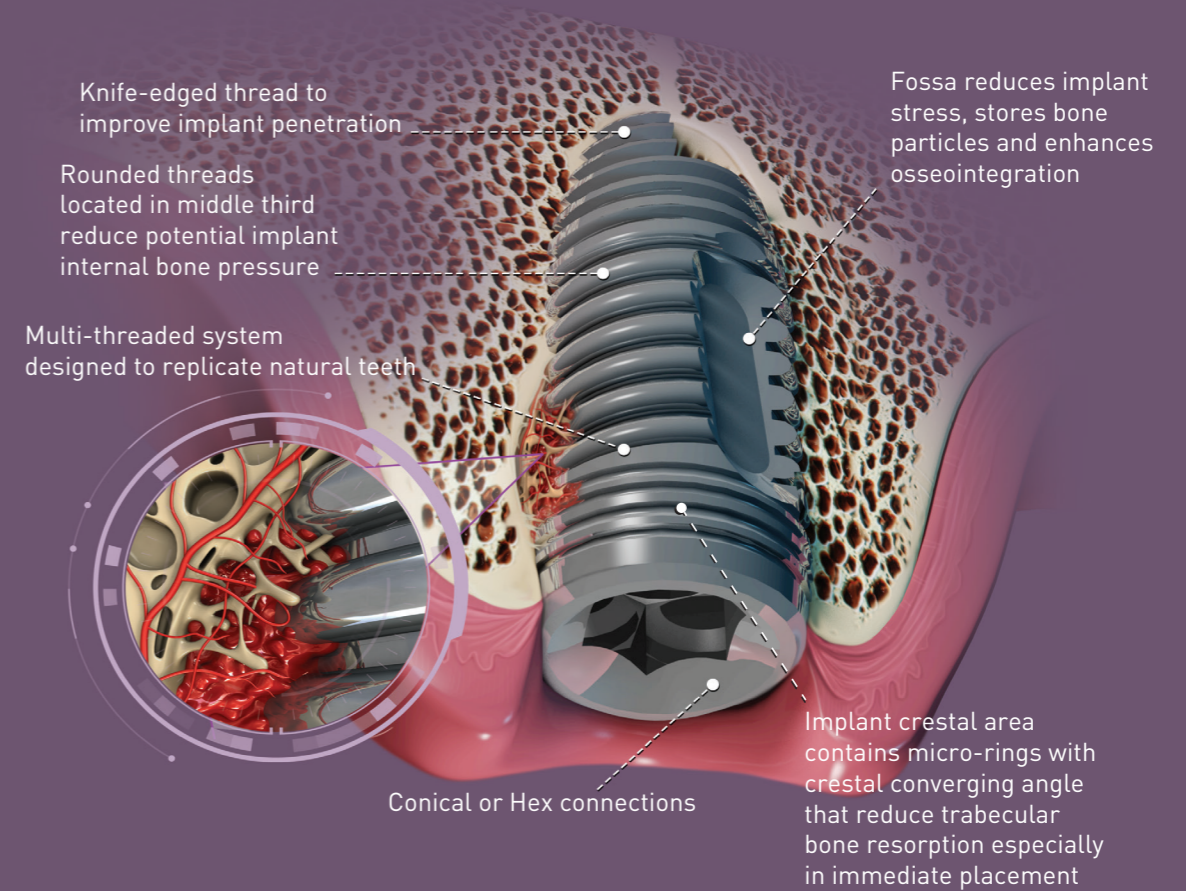


Fig. 12



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