

Mediox

MSM-Mesh Systems

Surgical Technique

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Warning

This instruction is for reference only. Operation must be performed under the guides of professional doctors.

Features:

- Reticulate structure allows for bone omnibearing ingrowth
- Free tailoring and cutting, convenience to use
- Jagged edge for convenient fixing
- Reconstruct the anterior column after corpectomy or total spondylectomy
- Fine X-ray and MRI compatibility

**Indications**

- Appropriate for all spinal segments、 Anterior Lumbar Interbody Fusion (ALIF)、 Posterior Lumbar Interbody Fusion (PLIF)、 Transforaminal Lumbar Interbody Fusion (TLIF)、 Vertebral Corpectomy
- Reconstruct the vertebral column after corpectomy due to tumour and trauma
 - Infectious diseases: e.g. restore spinal stability after evacuation of vertebral tuberculosis

Not recommend to use alone without any other internal fixation.

Contraindication

Intervertebral Infection

Surgical protocol for the cervical spine

Titanium Mesh System is mainly used to reconstruct the vertebral height.

1

Routinely resect the pathologic vertebral body, thoroughly remove the focus and completely decompress the spinal cord.

2

Recover anterior column height of the vertebral with the distractor.

3

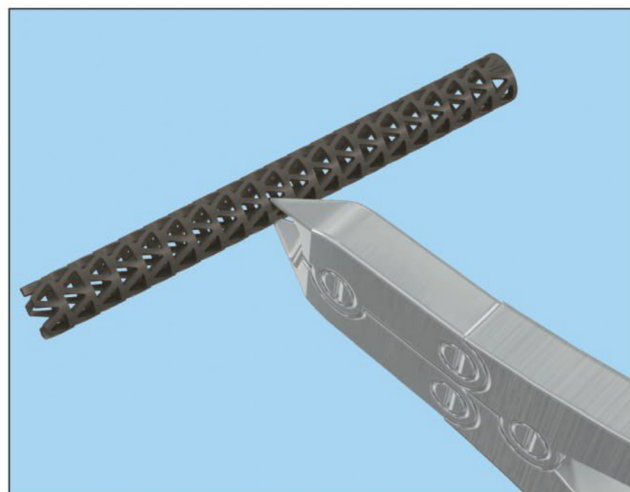
Thoroughly remove the annular fibrosus and cartilage on the endplates for better osseous fusion.

4

Accurately measure the height of intervertebral space defects, choose the suitable Titanium Mesh and prune by the mesh trimmer.

Instruments

Item	Description
12200800	Mesh trimmer



5

Impact bone graft in the mesh by the bone graft tamp.

Instruments

Item	Description
12200500	Bone graft tamp



6

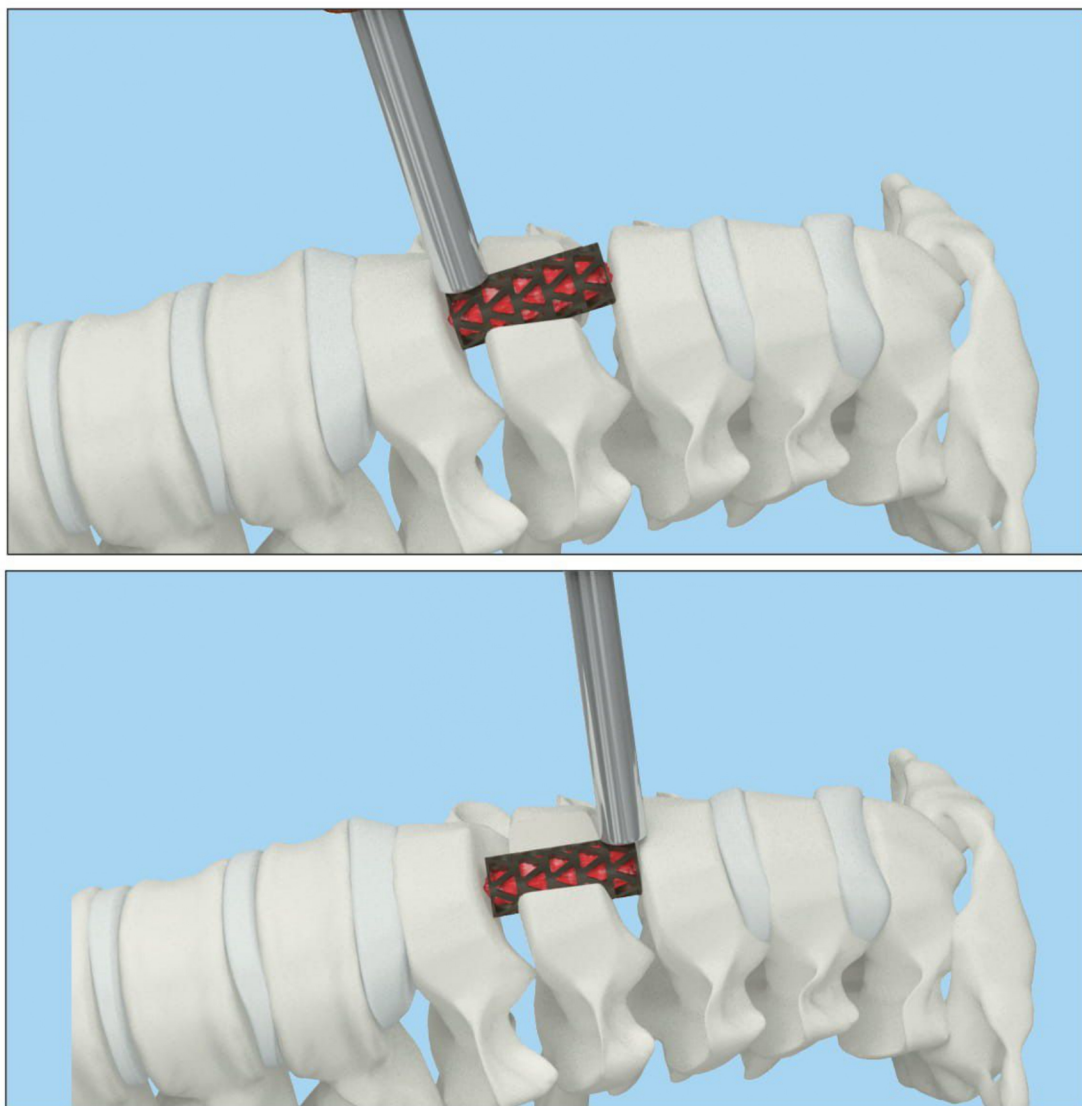
Take the mesh by mesh holder, implant the mesh gradually into the vertebral bone defects by mesh impactor.

Instruments

Item	Description
12200400	Mesh holder
12200600	Mesh impactor(straight)
12200700	Mesh impactor(Angled)



6

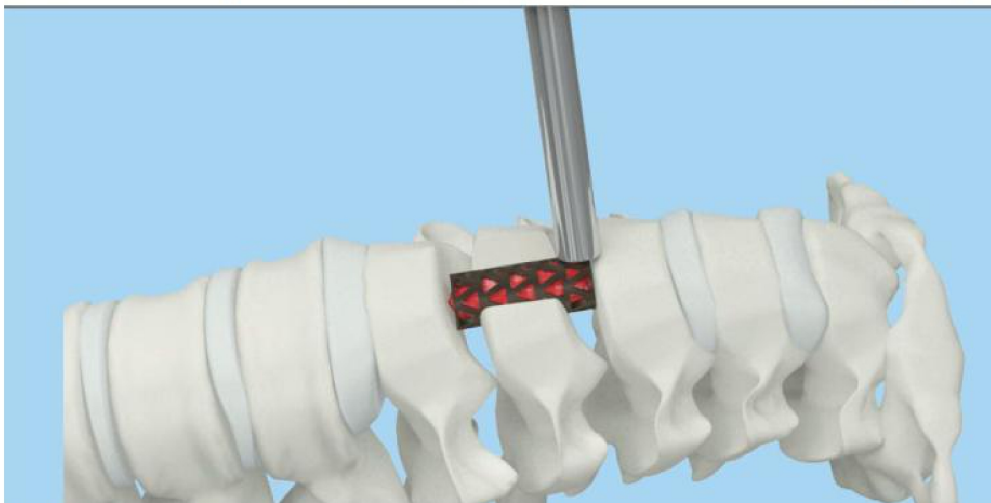
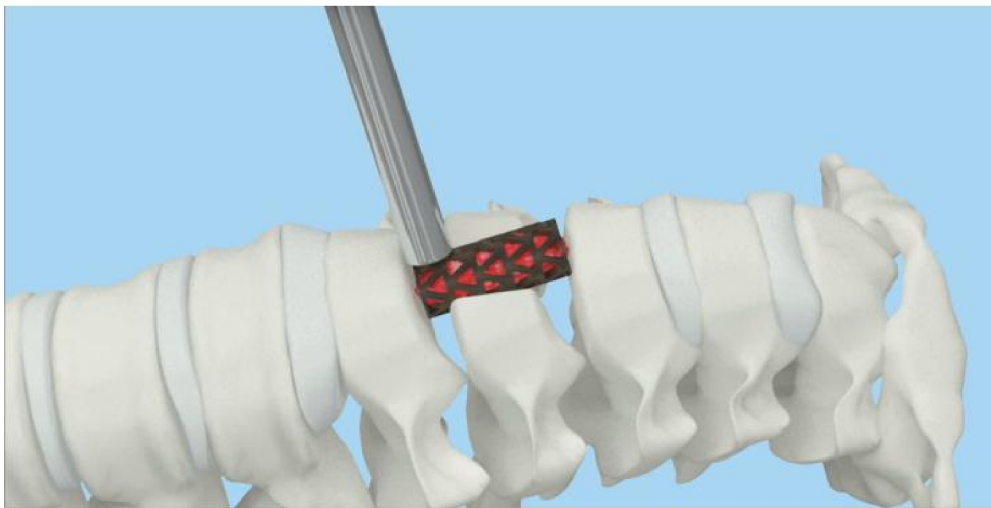


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Remove the distractor and place assistant internal fixations(Such as anterior screw-rod system).

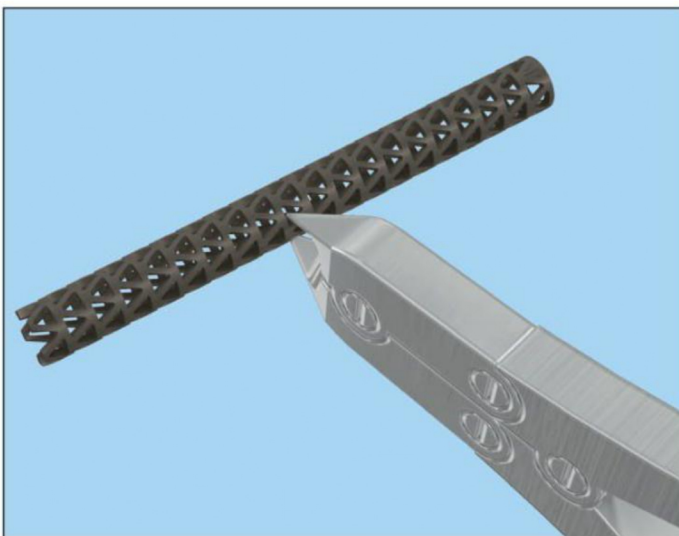
Coales Cage MSM-Mesh Pyramesh (H8-H70mm)

- Material: Titanium.
- Diameter: 10mm - 13mm.
- Length: 8mm - 50mm.
- Circular cylindrical design in the form of a continuous triangular mesh, with a hollow cavity for bone grafting, the outer layer of the cage body is covered with a rough layer, helping to stimulate rapid bone growth.
- Length can vary depending on the size of the spine that needs to be replaced, turn the screw to tighten.
- Suitable for anterior cervical spine replacement surgery.



Coales Cage MSM-Mesh Pyramesh (H10-H60mm)

- Material: Titanium.
- Diameter: 16mm, 19mm, 25mm.
- Length: 10mm - 60mm.
- Cylindrical shape, hollow frame, continuous triangular mesh, the outer layer of the cage body is covered with a rough layer, helping to stimulate rapid bone growth.
- Use pliers to cut and adjust the size, turn the screw to tighten.
- Suitable for lumbar and thoracic spine replacement surgery.



Implants







MSM - MESH

Product Code	H	L	W(A)
951571008	8	/	10
951571010	10	/	10
951571012	12	/	10
951571015	15	/	10
951571030	30	/	10
951571050	50	/	10
951571070	70	/	10
951571099	100	/	10
951571308	8	/	13
951571310	10	/	13
951571312	12	/	13
951571315	15	/	13
951571330	30	/	13
951571350	50	/	13
951571370	70	/	13
951571399	100	/	13
951571610	10	/	16
951571630	30	/	16
951571660	60	/	16
951571699	100	/	16
951571940	40	/	19
951571990	90	/	19
951572560	60	/	25
951572599	100	/	25
951570408	8	14	10
951570410	10	14	10
951570430	30	14	10
951570469	69	14	10
951570470	70	14	10
951573710	10	17	13
951573730	30	17	13
951573770	700	17	13



Mediox MSM-Mesh Systems

Instrument

Product Code	Parts Description	Pieces	Picture
12012001	Holder	1	
12012002	Graft Impactor	1	
12012003	Impactor-straight	1	
12012004	Impactor-curved	1	
12012005	Cutter	1	
12012991	Outer Case	1	



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