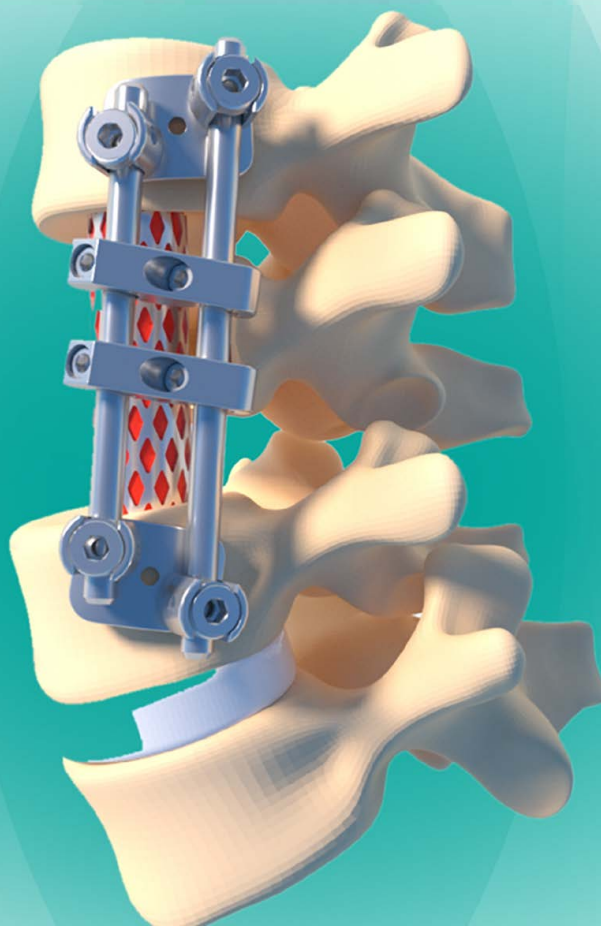


FATA Mesh

Technical Manual





Why Choose Fule? Fule advantage

- Beijing Fule is a national high-tech enterprise integrating R&D, production and sales of medical equipment, and has a production line of fully intelligent processing equipment.
- The academician expert studio was established to help Fule improve its research and development capabilities, and further deepen the cooperation of production-academy-research; it was approved as a post-doctoral research station.
- The hardware facilities are complete, the R&D team is excellent, and the clinical experts work closely with more than one hundred domestic and foreign patents.
- Based on the agent cooperation model, it has established a nationwide sales and service network, and its products are supplied to nearly a thousand tertiary hospitals across the country and exported to more than 20 overseas countries.



Contents

Products Advantage	01
IFU.....	02
Surgical Technical	03
Products Information.....	10
Instruments.....	11

Products Advantage

- Various specifications to meet various surgical needs.
- Maximum accommodation of bone graft material to ensure full contact with vertebral end plate.
- A variety of approaches are available for easy operation.
- Can be used for long segment fusion.
- It can be used for fusion of different segments such as cervical, thoracic and lumbar.



IFU

● **【Indications】**

- Vertebrectomy due to replacement spine tumor
- Spinal burst fracture due to trauma
- Collapsed, destroyed, or unstable vertebral deformities due to trauma
- Degenerative disease of cervical and lumbar spine

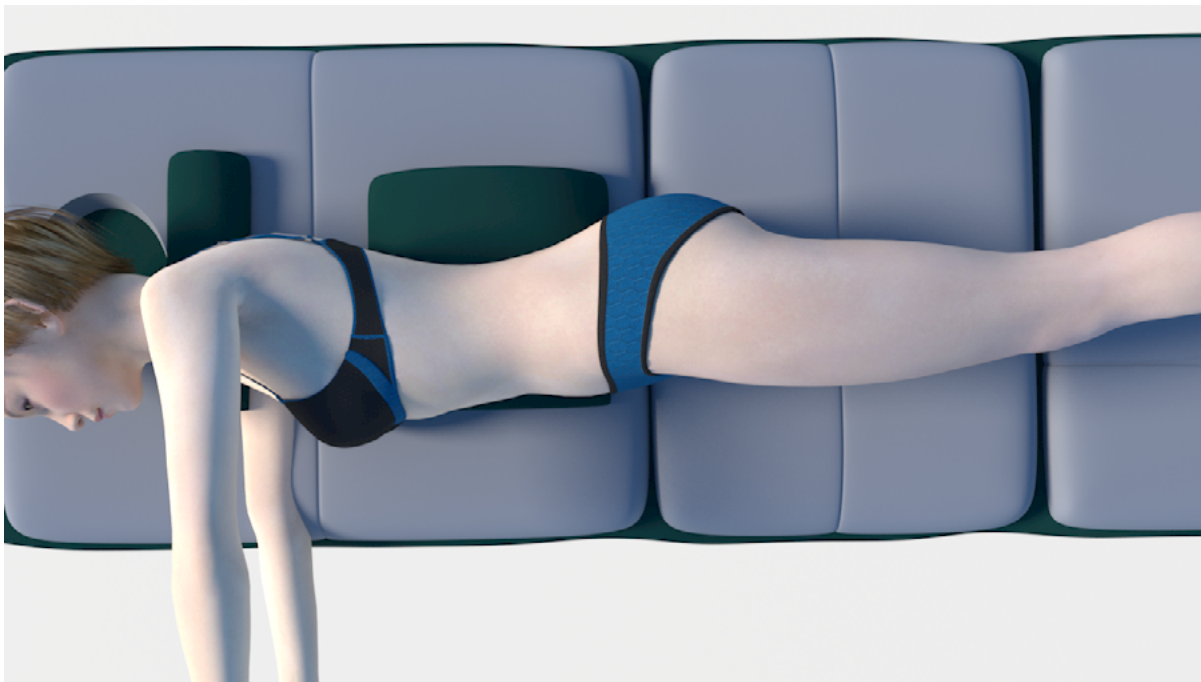
● **【Contraindications】**

- Osteoporosis
- Active infection
- Surgical segment deformity
- Infectious diseases of the lumbar spine
- Allergy to Titanium
- Immunosuppressive disease

Surgical Technical

【Step 1】 Access and exposure

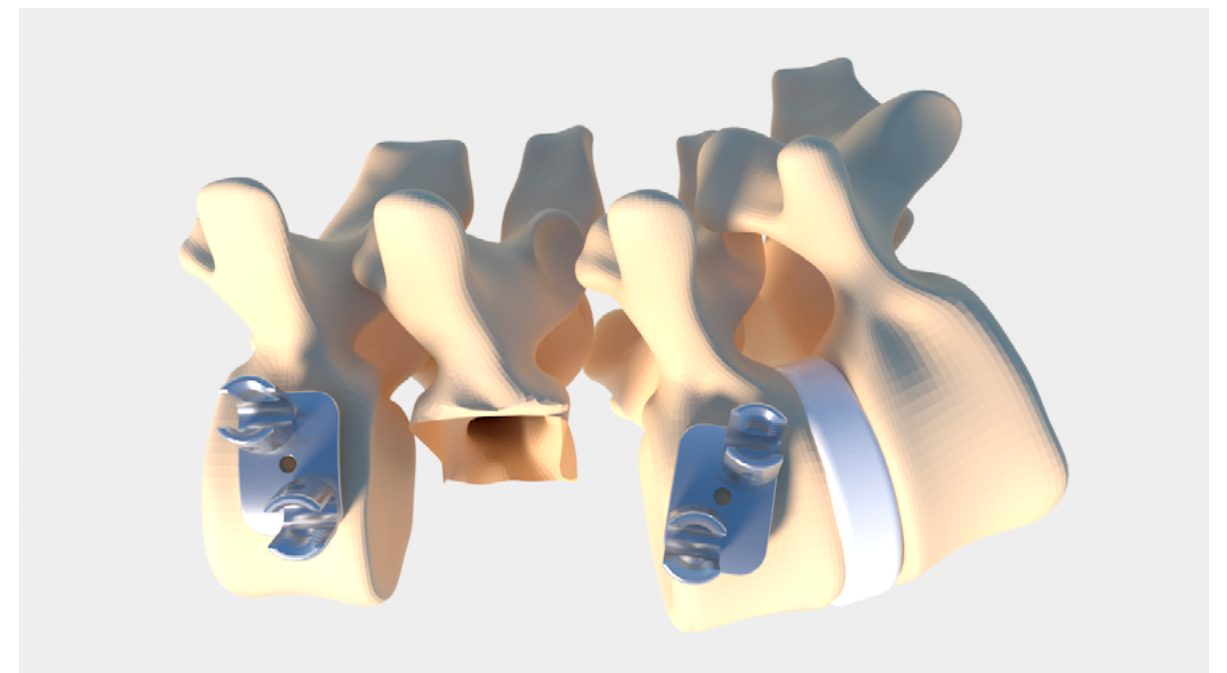
- The patient is generally placed in the lateral decubitus position and remains in the lateral decubitus position during the procedure. When treating from the front, the left-side approach is usually chosen. Incision to expose the diseased vertebral body.



Surgical Technical

【Step 2】 Implantation of Anterior screw-rod system

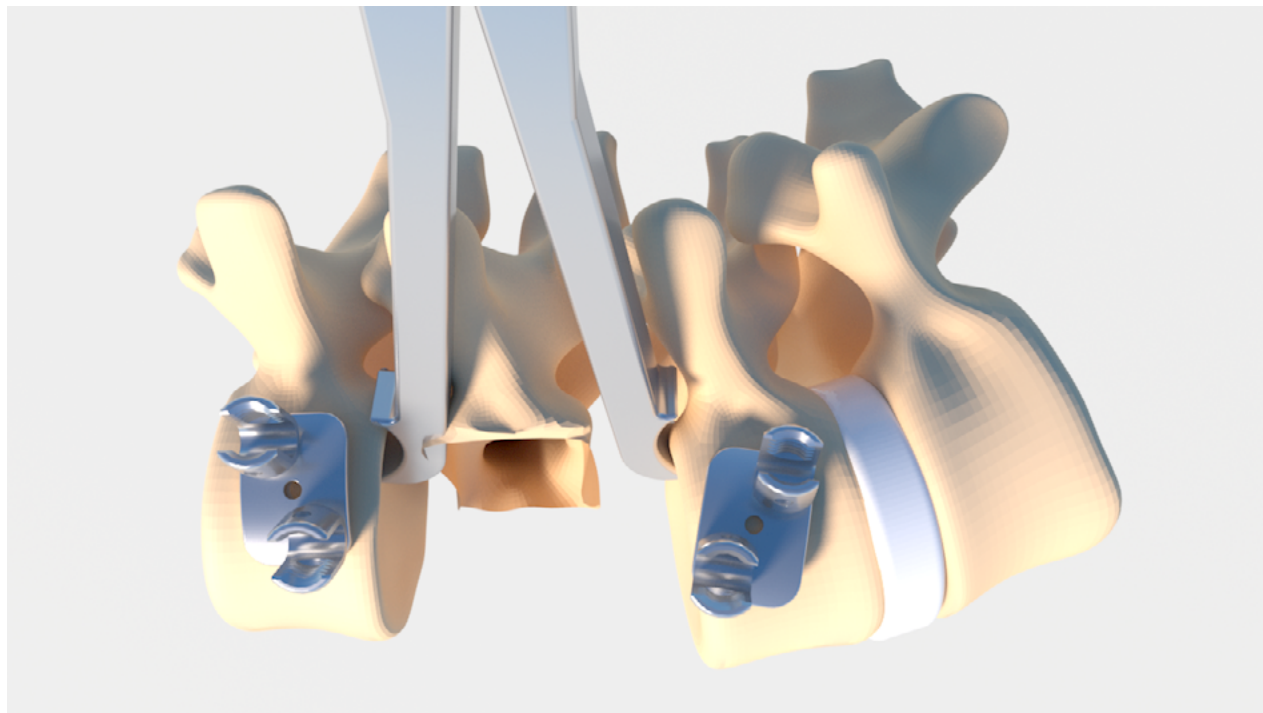
- According to the damage of the patient's vertebral body, four pedicle screw are implanted. The tip of each screw should extend approximately 2 mm beyond the contralateral cortex to ensure bicortical fixation.



Surgical Technical

【Step 3】 Distract the intervertebral space and treat endplates

- The vertebral body is opened with a vertebral body distractor or forceps, and the vertebral body is distracted until the desired reduction is achieved, and the upper and lower endplates are treated.



Surgical Technical

【Step 4】 Mesh Selection

- Measure the required length of mesh with Mesh Measurer.



- Use Mesh Cutter to cut the titanium mesh with the appropriate length.



Surgical Technical

【Step 5】 Fill and compact bone graft

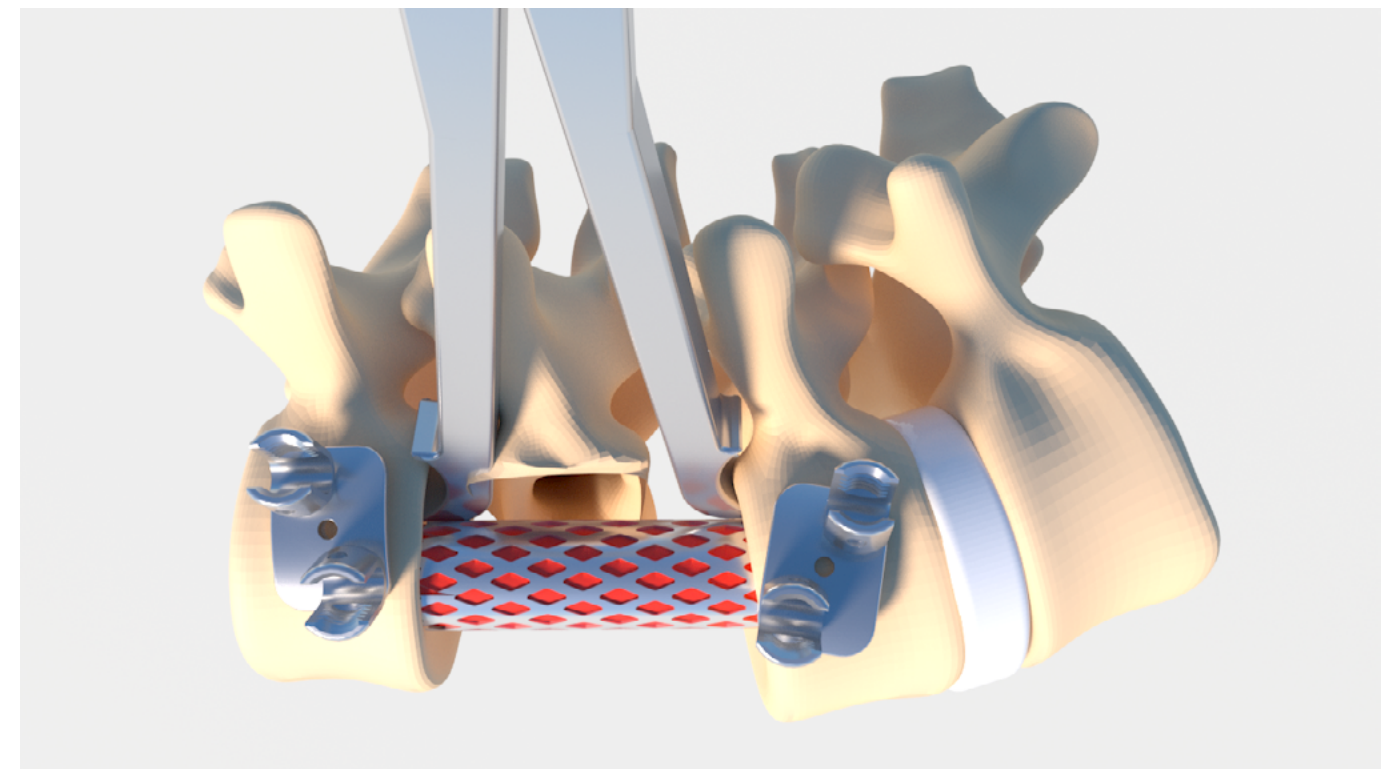
- The autologous bone or artificial bone is implanted into the titanium mesh with the packing block, and compacted with a Impactor until the bone graft flows out of the hole.



Surgical Technical

【Step 6】 Mesh Implantation

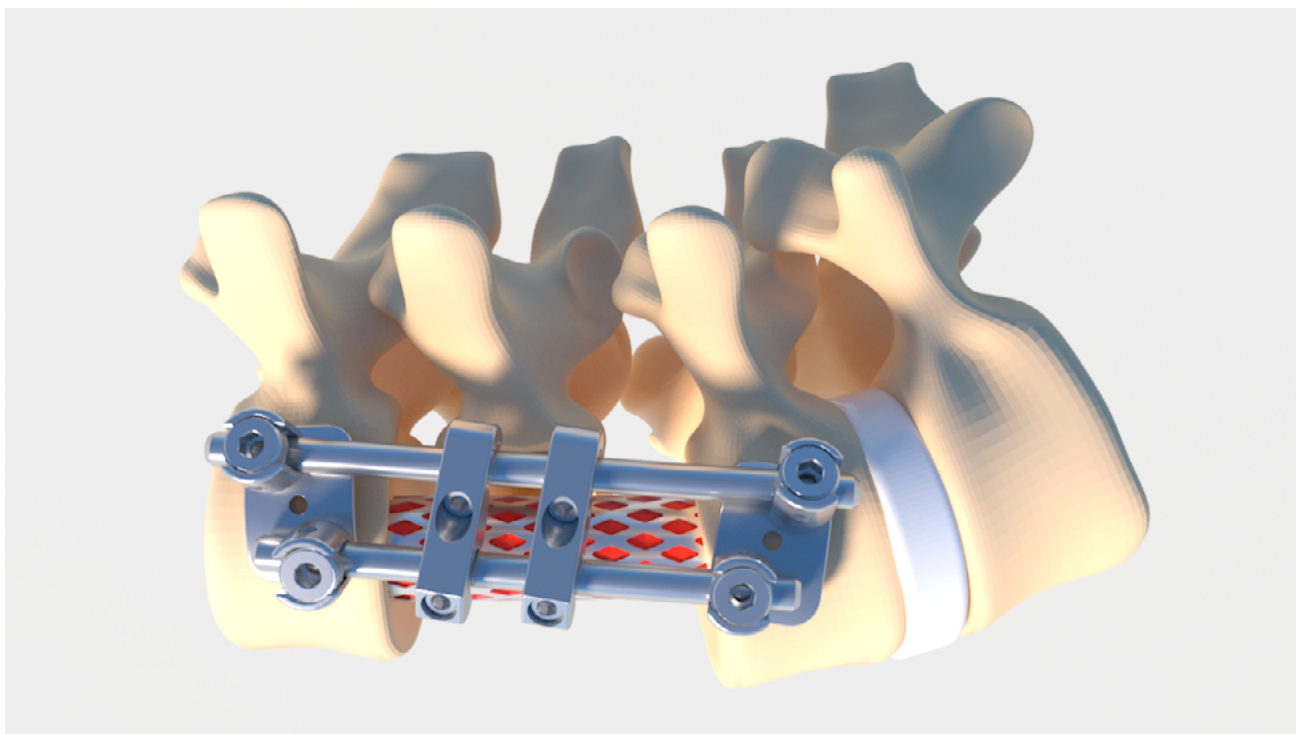
- Use Mesh Holder to hold the titanium mesh with bone grafting, and then implant it into the human body.



Surgical Technical

【Step 7】 Confirm position and complete internal fixation

- Release the distractor for internal fixation. Before tightening the screws, use compression forceps to pressurize the fixation system to prevent the titanium mesh from coming out. Finally tighten all the screws.
- Finally, check whether the titanium mesh is implanted in the correct position and whether the fixation system is firm.



Product Information

● 【 Mesh 】

Size (mm)	Length (mm)	Product Code
Φ10×30-2	60	101001100
Φ10×30-3	90	101005100
Φ12×30-2	60	101002100
Φ12×30-3	90	101006100
Φ14×30-2	60	101007100
Φ14×30-3	90	101008100
Φ14×30-4	120	101009100
Φ16×30-3	90	101003100
Φ16×30-4	120	101010100
Φ18×30-3	90	101004100
Φ18×30-4	120	101011100
Φ20×30-3	90	101012100
Φ20×30-4	120	101013100
Φ22×30-3	90	101014100
Φ22×30-4	120	101015100
Φ24×30-3	90	101016100
Φ24×30-4	120	101017100



Instruments



● 304-022/023
Bone Impactor $\phi 7/\phi 13$



● 304-031
Packing Block



● 304-070
Mesh Measurer



● 304-090
Mesh Pusher Straight



● 304-091
Mesh Pusher Bend



● 304-100
Mesh Holder



● 304-081
Mesh Cutter