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CHUNLi

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MODULAR/
CUSTOMIZED
**TUMOR
PROSTHESIS**

CFDA CERTIFICATE NO.2013第3460760号

Beijing Chunlizhengda Medical Instruments Co., Ltd

PURSUIT OF HEALTH & SCIENCE

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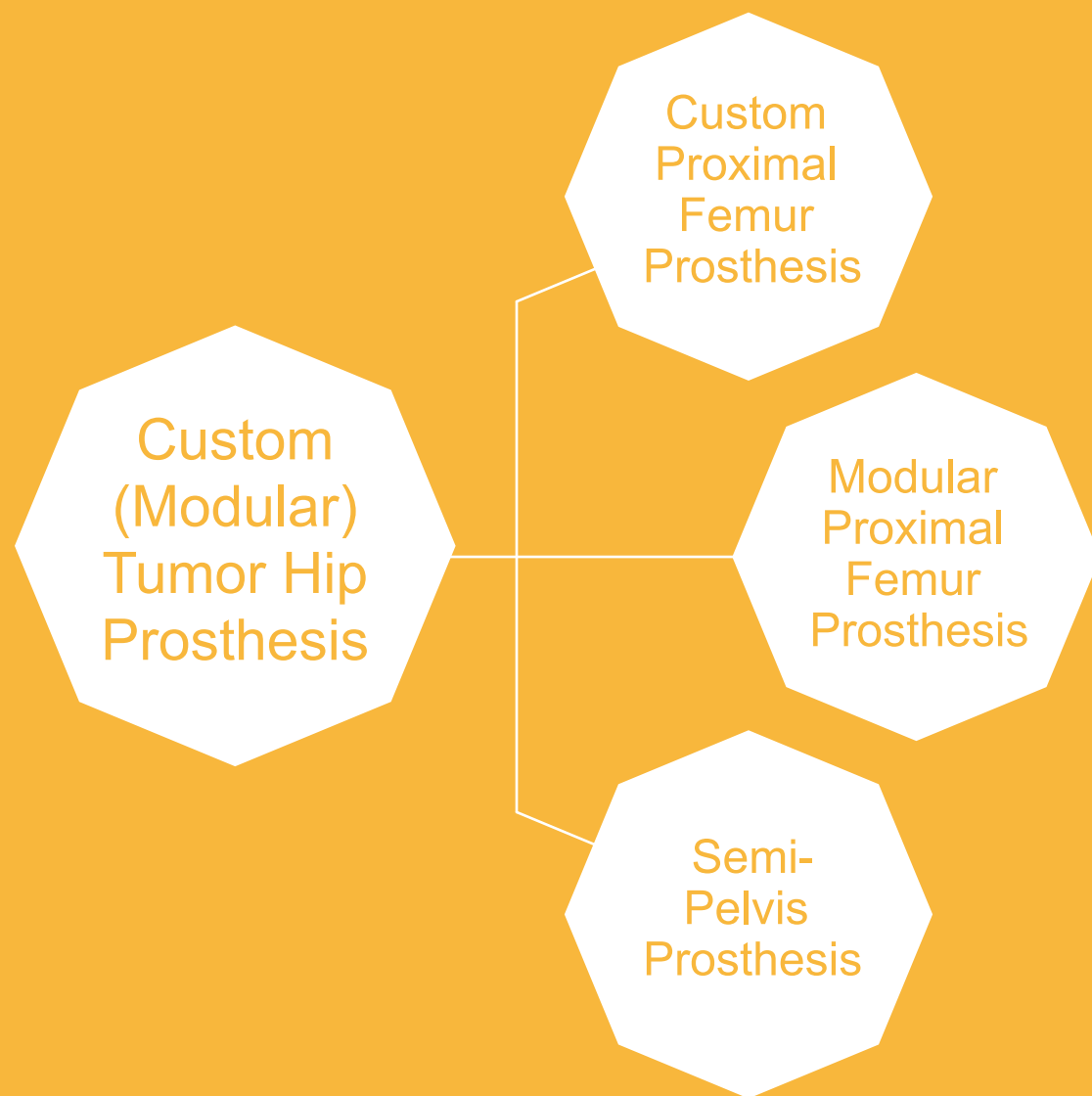
P02 Custom(Modular) Tumor Hip
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Prosthesis

Custom(Modular) Tumor Hip Prosthesis



Indications: Proximal femur tumor, inter-trochanteric fracture, massive bone defects in proximal femur or any other situations when the doctor suggests to use this tumor prosthesis.



Custom Proximal Femur Prosthesis

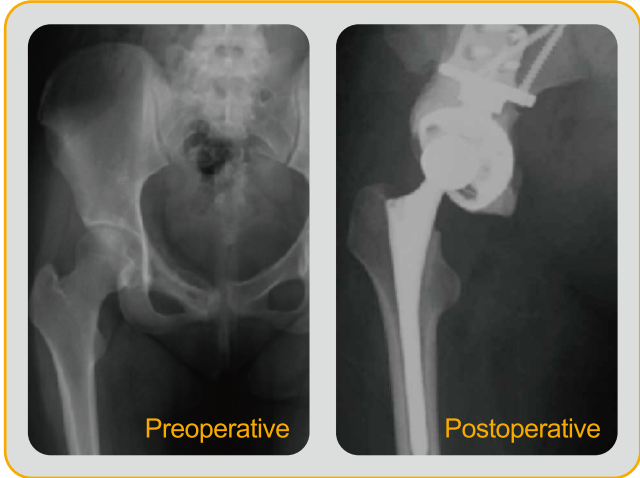
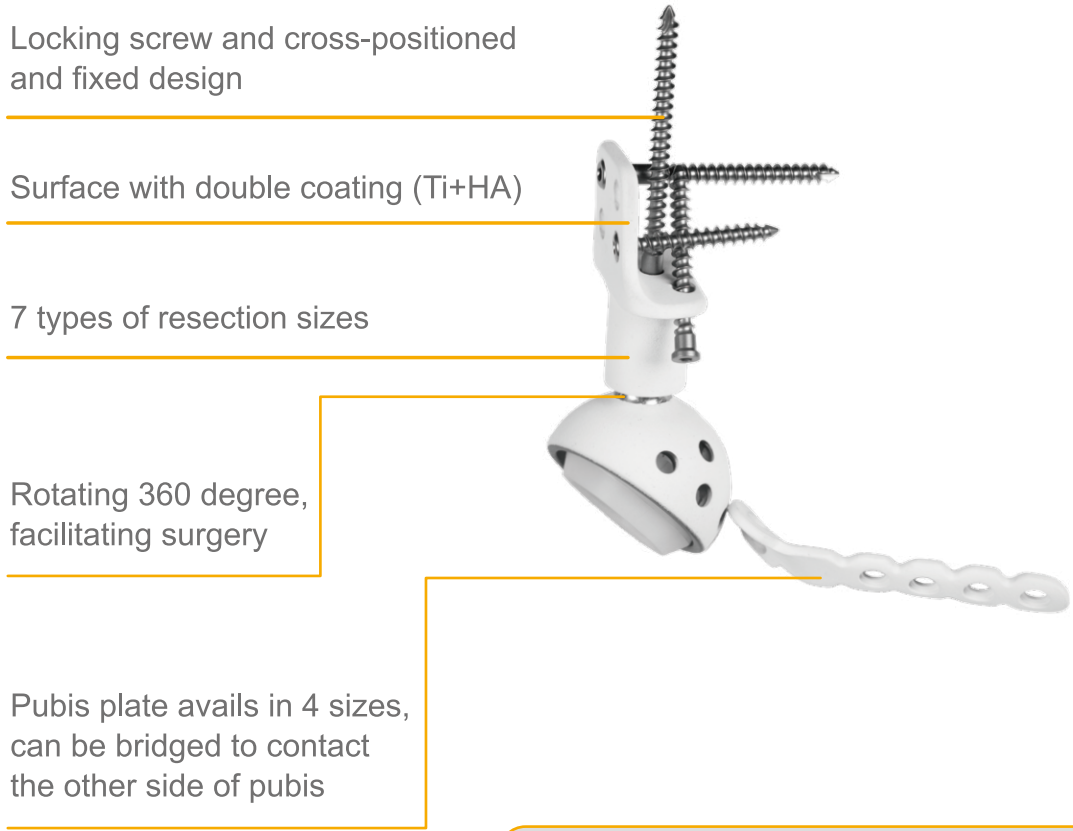


Modular Proximal Femur Prosthesis

- Suture holes in both greater and lesser trochanter positions for suturing muscles and restore muscles function and attachment.
- Bulky design in greater trochanter position of the prosthesis, to restore the shape of hip and increase the torque of gluteus medius, strengthen the abduction of lower limb. Lateral grooves and shot-blasting surface make grafting (if needed) more stable with higher survival rate.
- Both sterilized and non-sterilized package are available
- Lengthening prosthesis can be customized.
- Stem can be made in cemented or non-cemented.

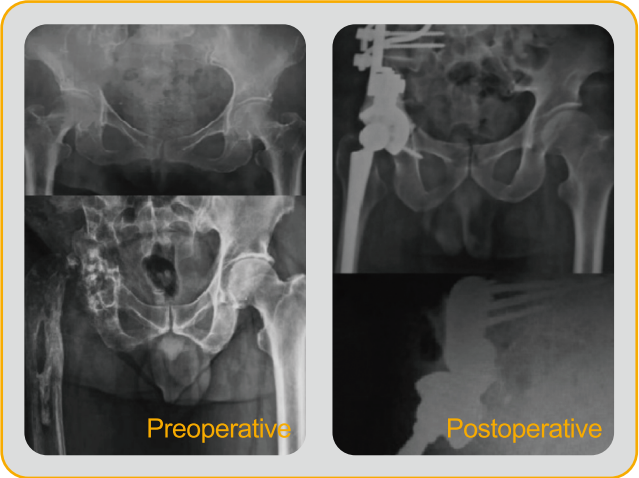
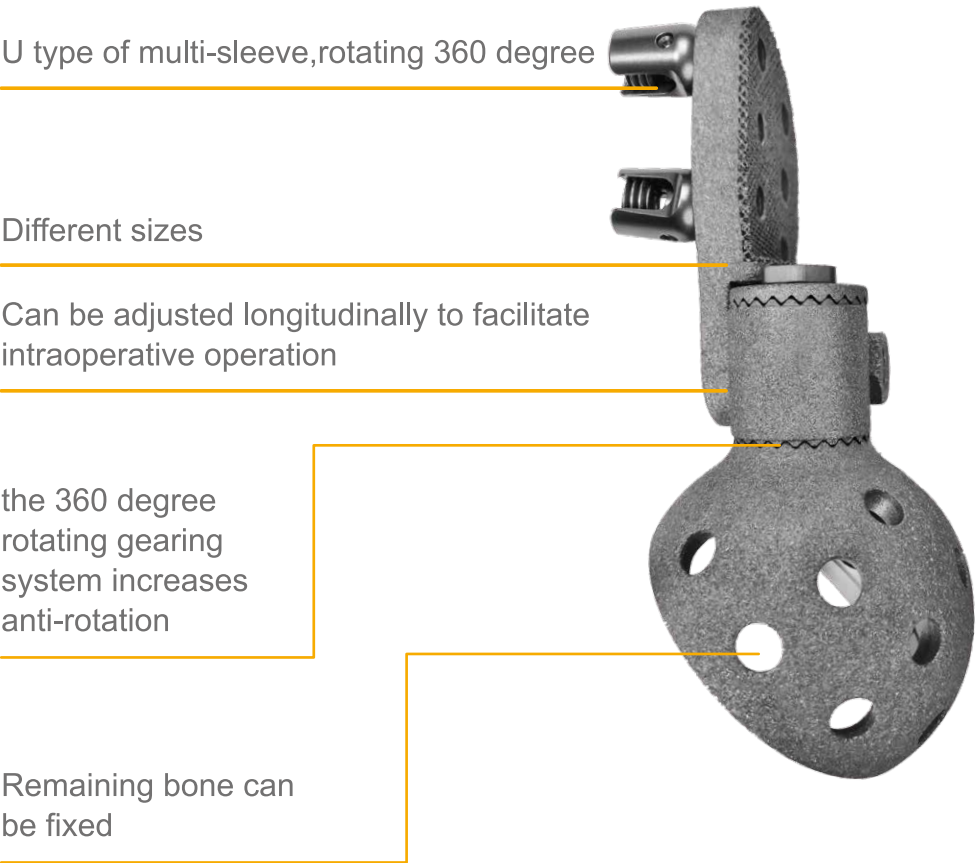
Hemi-Pelvic Prosthesis

Designed with clinical tumor professor Dr. Wei Guo, based on clinical data, is currently the closest to the human bone structure and biological characteristics in the world. Modular design structure, a variety of specifications and models to choose.



Gearing Type Hemi-Pelvic Prosthesis

Double gearing design, anteversion angle and osteotomy position can be adjusted and the bone trabecular structure increases the stability of bone with fixed surface, can be used for the fixation of screw and rod.



Dual Mobility Hemi-pelvis Prosthesis

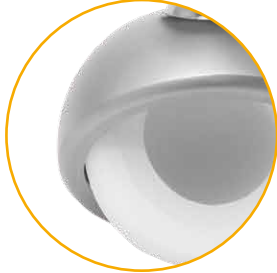
The prosthesis design accords with the mechanical structure of human body, and the prosthesis can restore the human movement function to the utmost.

Combination design structure, various specifications and models available according to the specific needs of the operation.

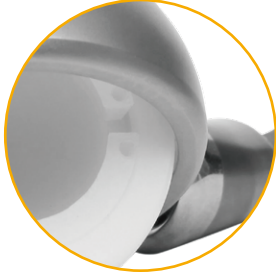
The high polishing design of the inner wall of acetabular cup and the outer wall of polyethylene lining to realize dual mobility between the ball head and the inner lining and the outer cup, so as to reduce the risk of dislocation after operation.



3D Printed
Trabecular
Structure

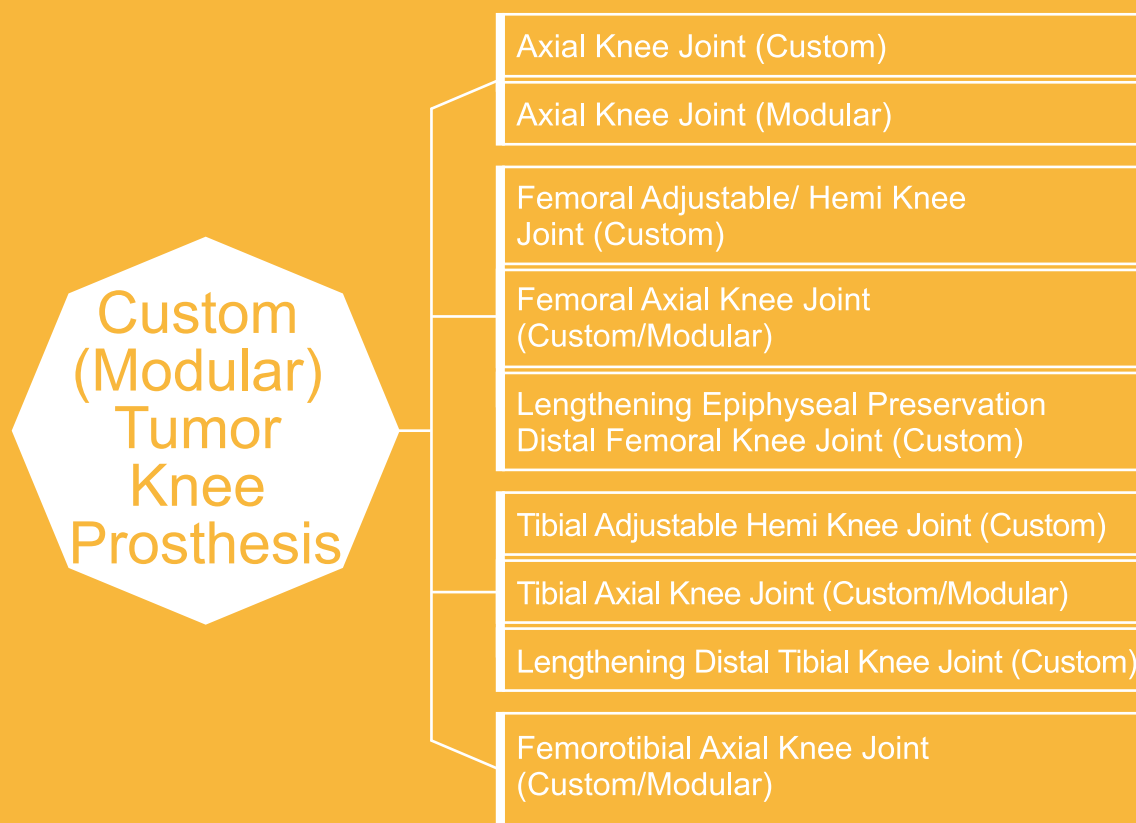


Over Radius
Locking of Metal
Outer Cup and
Polyethylene Liner



External Locking
Type

Custom (Modular) Tumor Knee Prosthesis



Applicable for bone defect due to tumor and comminuted fracture of knee joint, etc.

Diaphysis is made of forged Ti alloy and UHMWPE surface which has high strength and light specific gravity and reduces the burden on the patient.

Strong bonding between components is achieved through taper locking or hinge.

Physiological knee flexion and rotation function relieve the stem torque force and resist rotation and stress concentration in medullary cavity.

Cemented or cementless distal stem options and various sizes to meet patients' need.

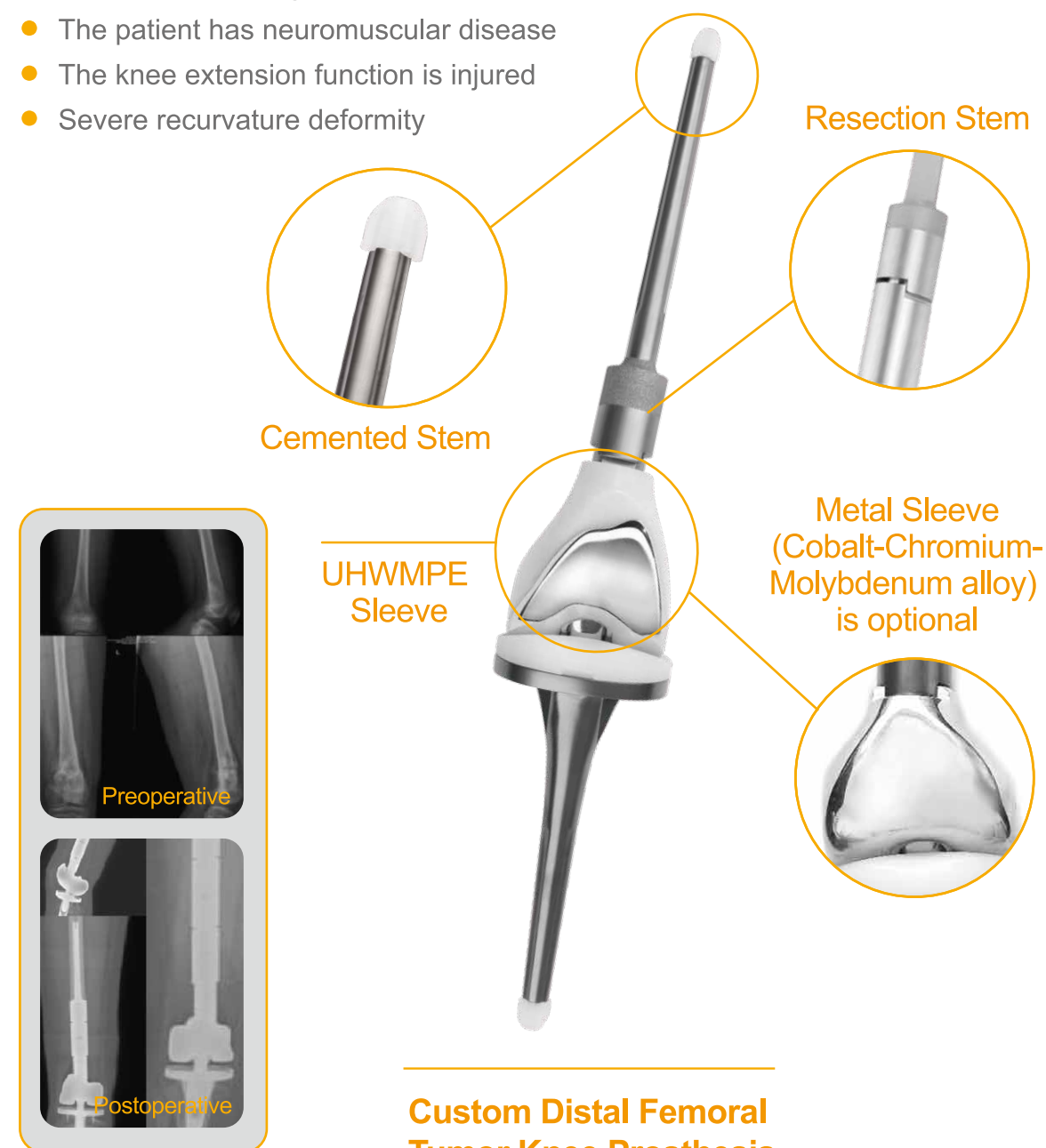
Distal femoral tumor knee system, proximal tibial tumor knee system, femoro-tibial tumor knee, lengthening tumor knee prosthesis for epiphysis salvage are available

Modular prosthesis of sterile packing is available. Custom prosthesis is also optional according to patient's conditions and bone characteristics. Two options are both easy to install in surgery

Distal Femoral Artificial Knee Joint

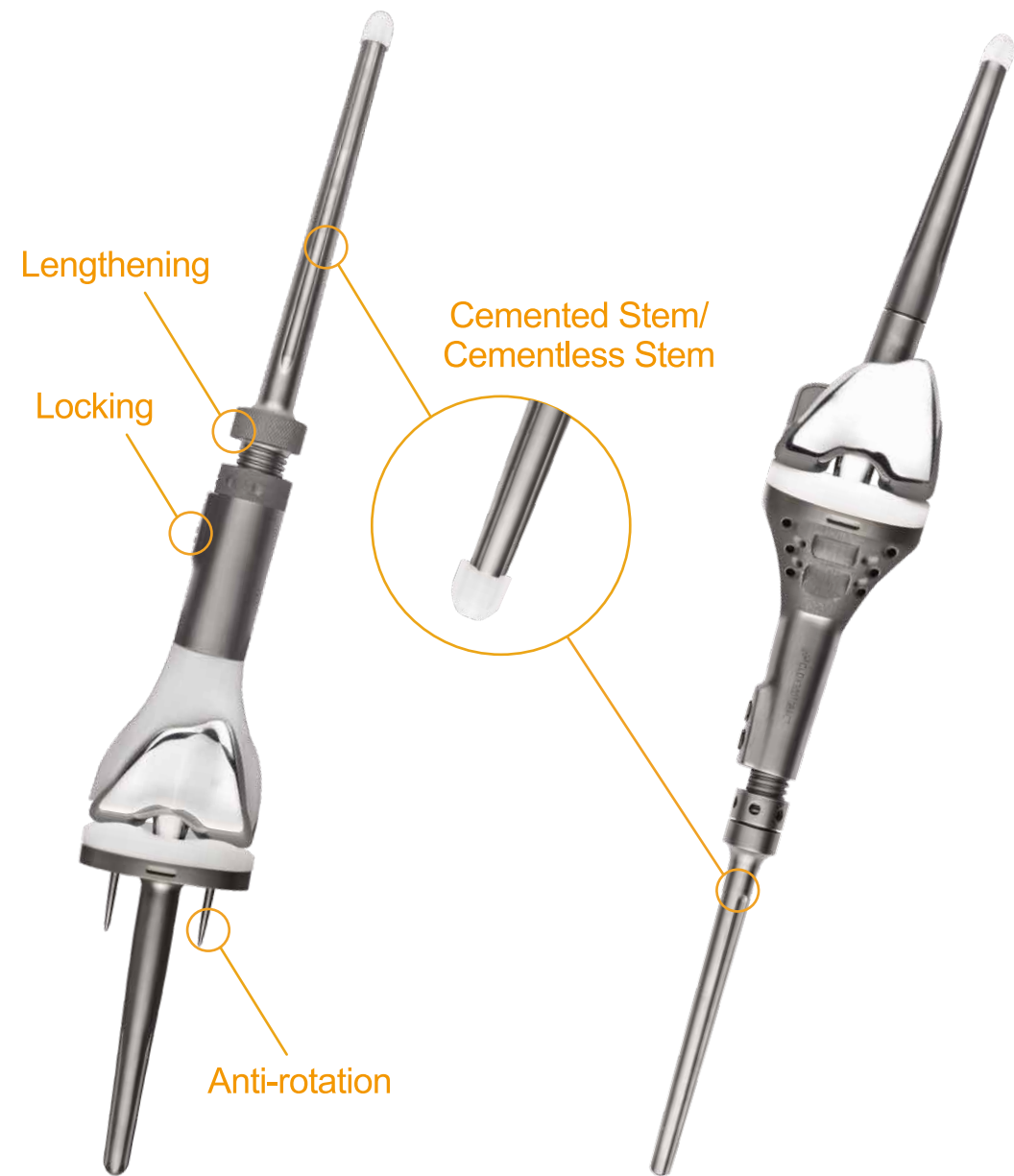
Indications

- Severe varus/valgus deformity with severe flexion contracture, and need to release bilateral accessory ligaments completely
- Severe and uncorrected imbalance of flexion gap, and lead to cam separation in non-limited design
- The patient has neuromuscular disease
- The knee extension function is injured
- Severe recurvature deformity



The prosthesis preserves bone and epiphyseal maximally, the axial connection minimizes the impact on bone growth.

With unique design and specificity, the osteotomy section adopts adjustable and extendable design to meet the needs of children's bone growth and suitable for children patients, minimally invasive extended regulation design, easier to operate.



**Distal Femoral Tumor
Knee Prosthesis**

**Lengthening Proximal Tibial
Tumor Knee**

Combined with femoral/tibia knee features.

Customized knee system and modular knee system are available according to clinical needs.

Indications

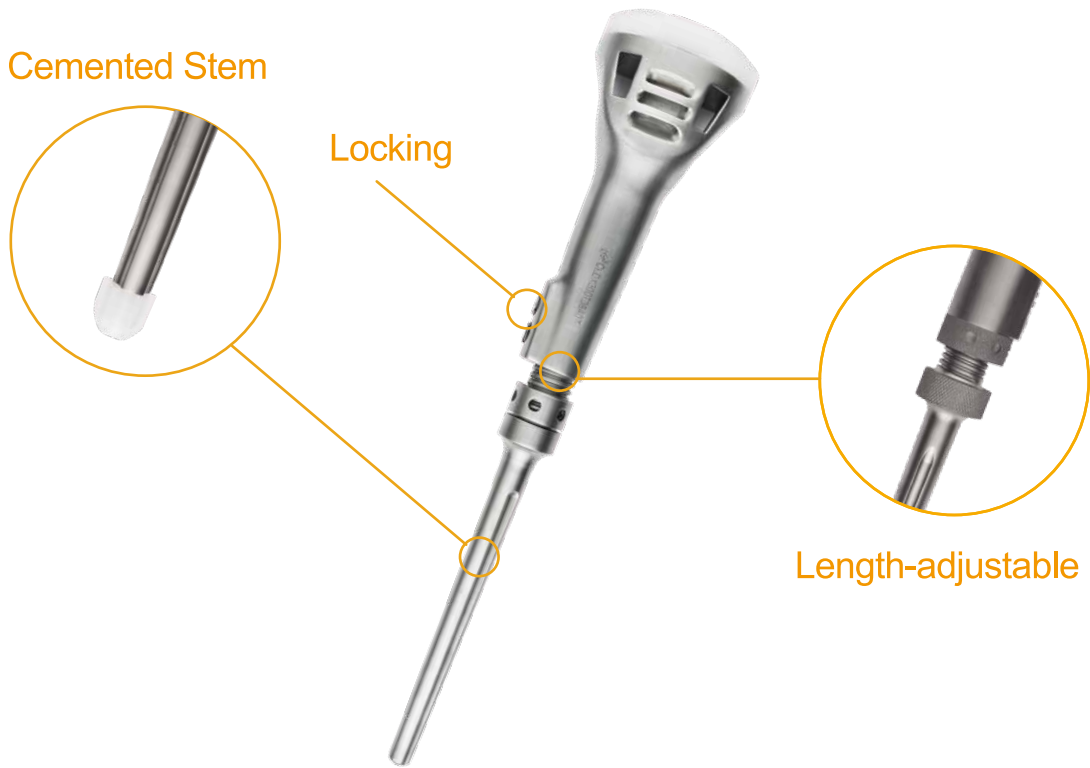
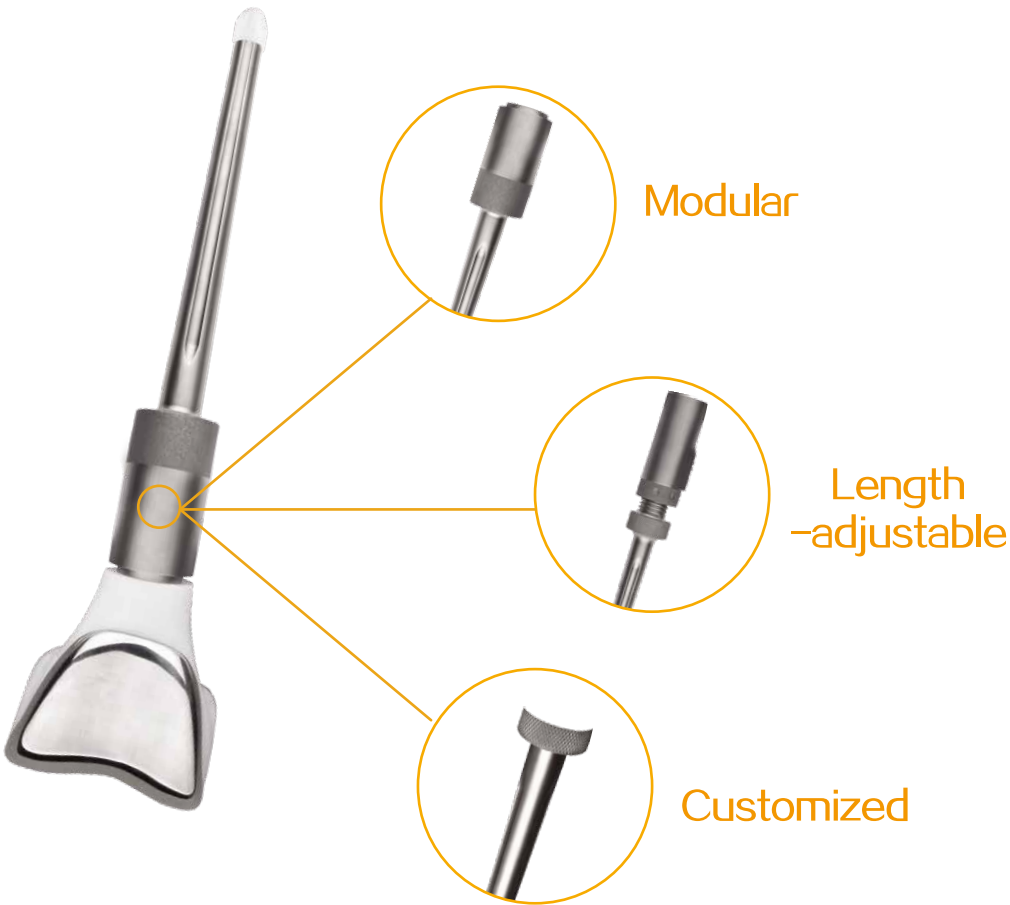
Tumor, comminuted fracture or massive defects in both femur and tibia, when common prosthesis will not work



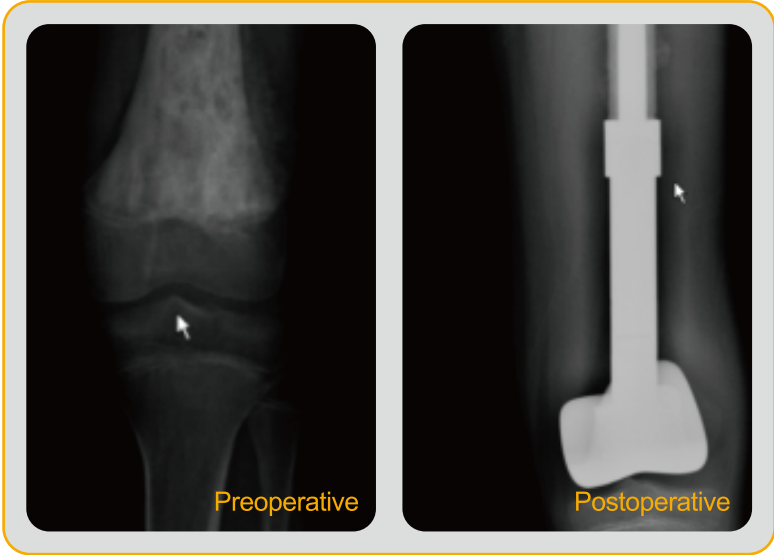
Femoral-tibial Tumor Knee Prosthesis



Femoral Hemi-Knee



Tibial Hemi Knee Prosthesis



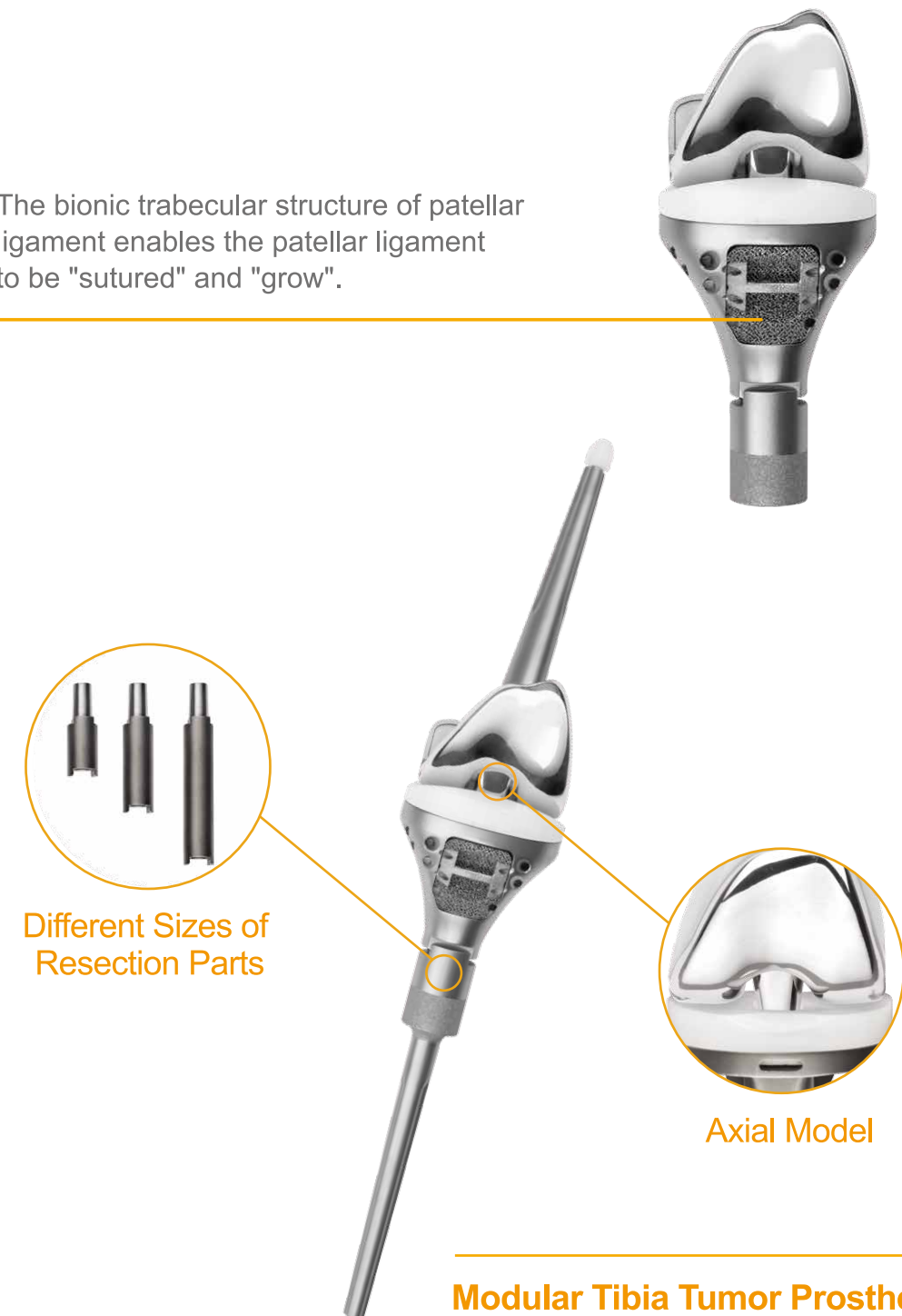
Biomimetic Trabecular Structure Prosthesis of Tibia

Bionic trabecular structure is favorable for long term bone growth. High rough surface, conical design is advantageous to initial fixation, and can be combined with femoral biological medullary stem to form femur, and the whole biological prosthesis of tibia, that is easy to be revised later, and is suitable for patellar fixation in patients with long survival period of bone tumor.



Patellar Ligament Trabecular Structure Prosthesis

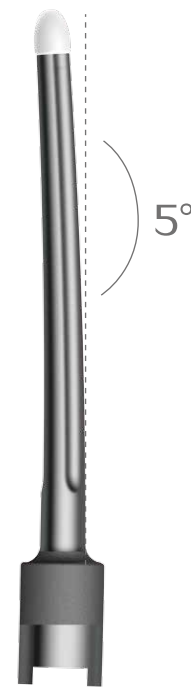
The bionic trabecular structure of patellar ligament enables the patellar ligament to be "sutured" and "grow".



Modular Tibia Tumor Prosthesis

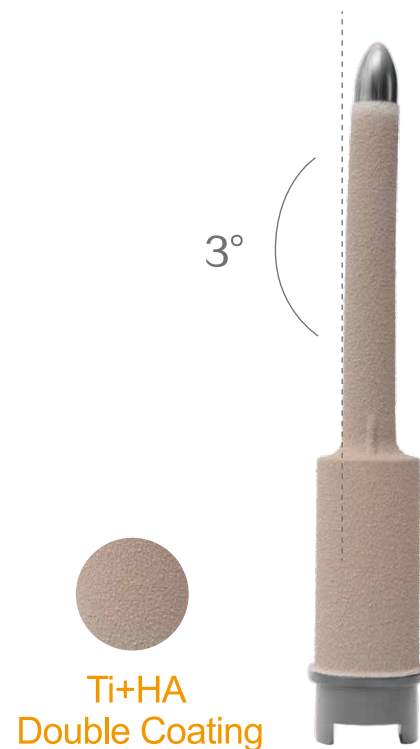
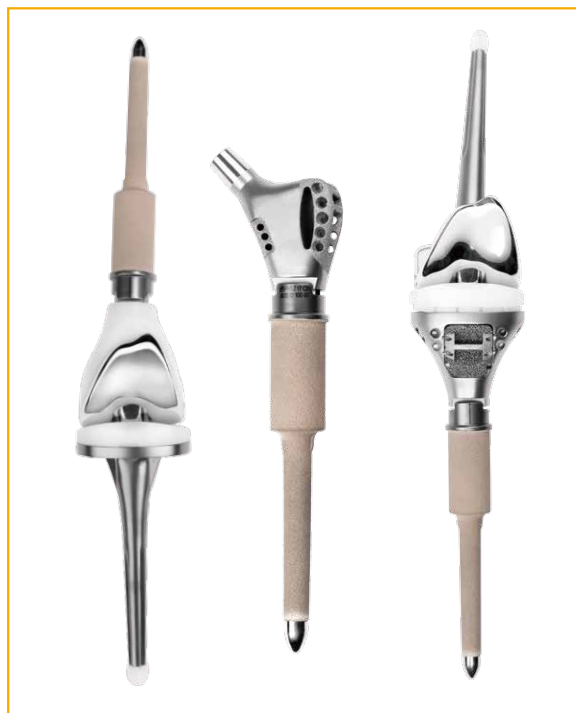
Physiological Curvature Medullary Stem Prosthesis

Comply with human physiological curvature; avoid the wear caused by the distal end of the medullary stem on the femoral.



Cementless Stem Prosthesis

Conform to Biomechanics
Good Initial Stability



Custom (Modular) Tumor Shoulder Prosthesis

Custom
(Modular)
Tumor
Shoulder
Prosthesis



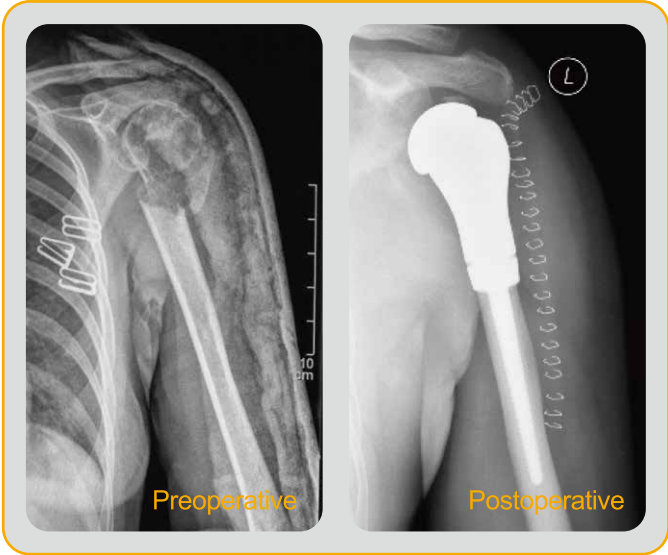
Applicable for joint injury or bone defect due to tumor and fracture of shoulder joint, etc.

Enlargement design of proximal humeral tuberocties can effectively restore shoulder appearing and increases contract torque of musculus biceps brachii. Lateral longitudinal grooves and carborundum sprayed surface increase the stability and survivorship of bone graft, if necessary.

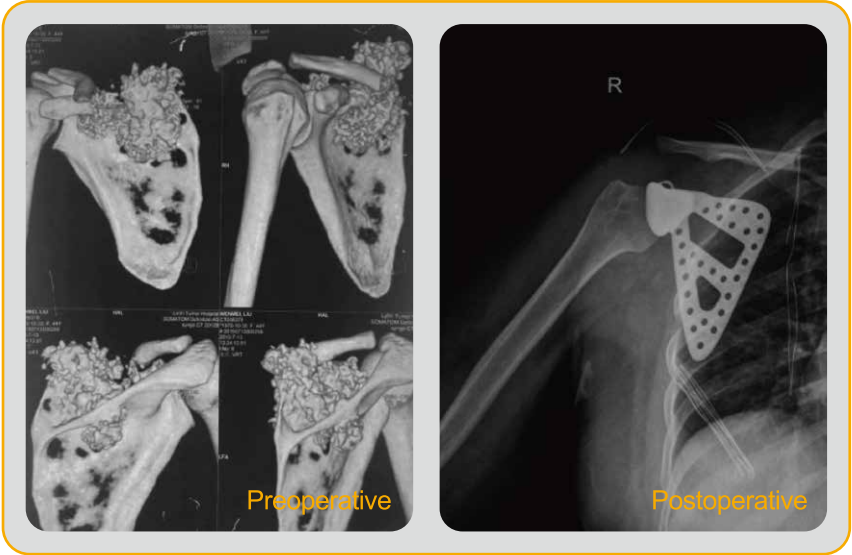
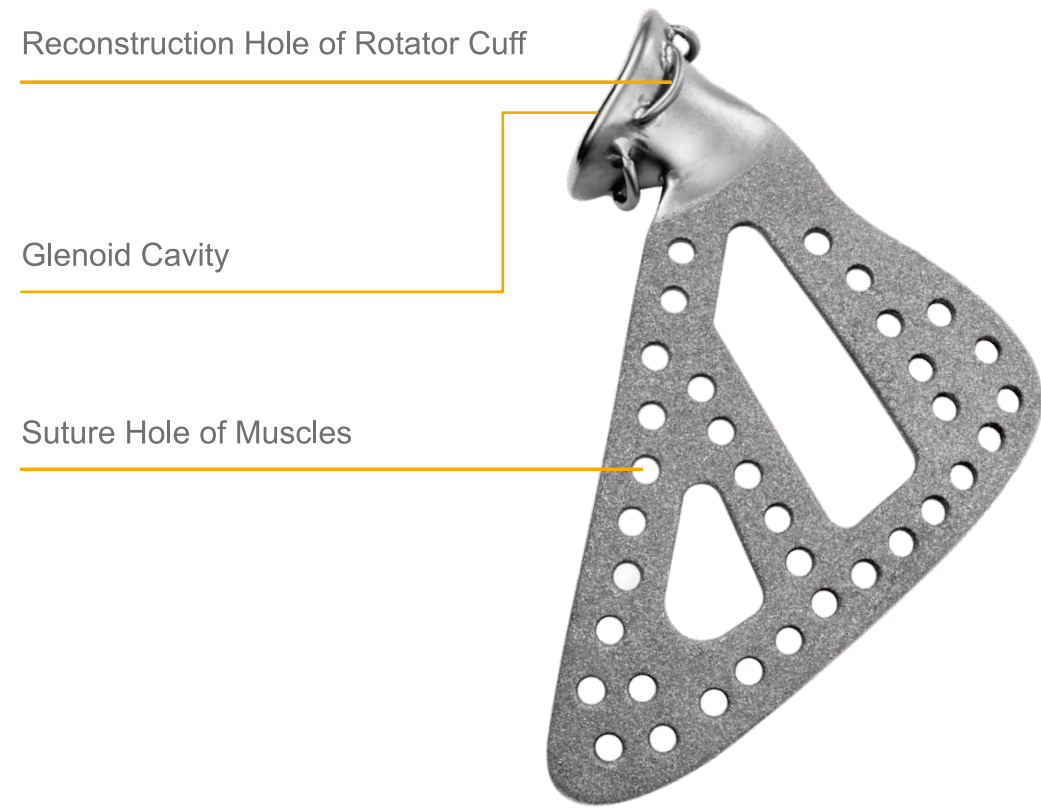
Reserve tendon suturing hole and attachment to restore muscular function to the maximum.

Modular prosthesis of sterile packing is available in various sizes and specifications according to clinical needs; Custom prosthesis is also optional according to patient's condition and bone characteristics.

Proximal Humerus Combined Shoulder Prosthesis (Cemented)

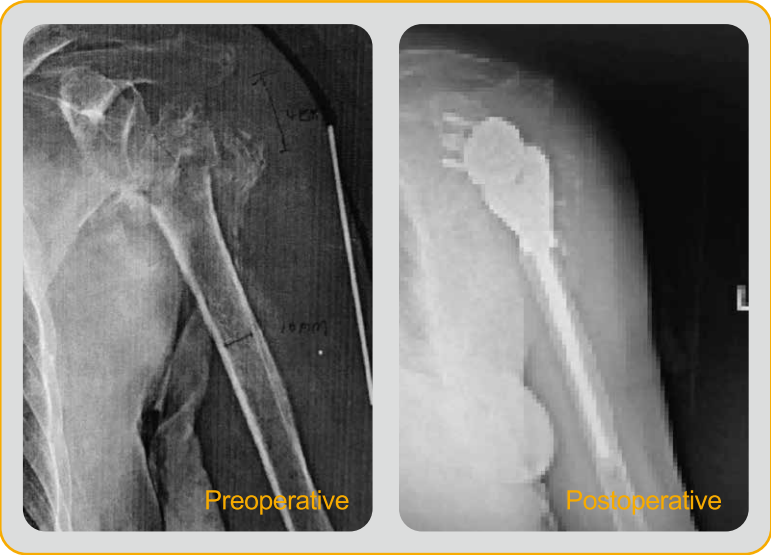
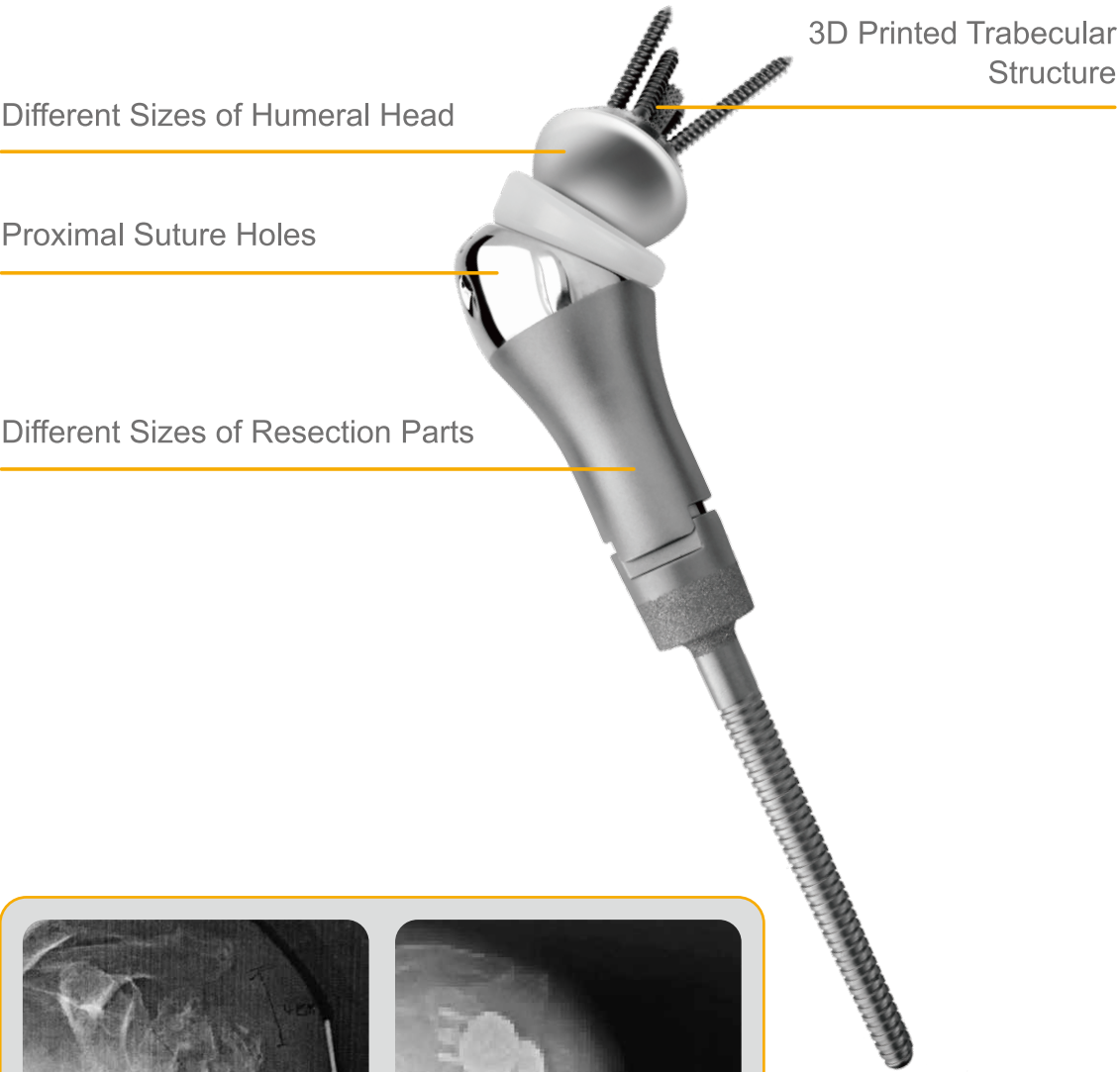


Scapular Joint Prosthesis

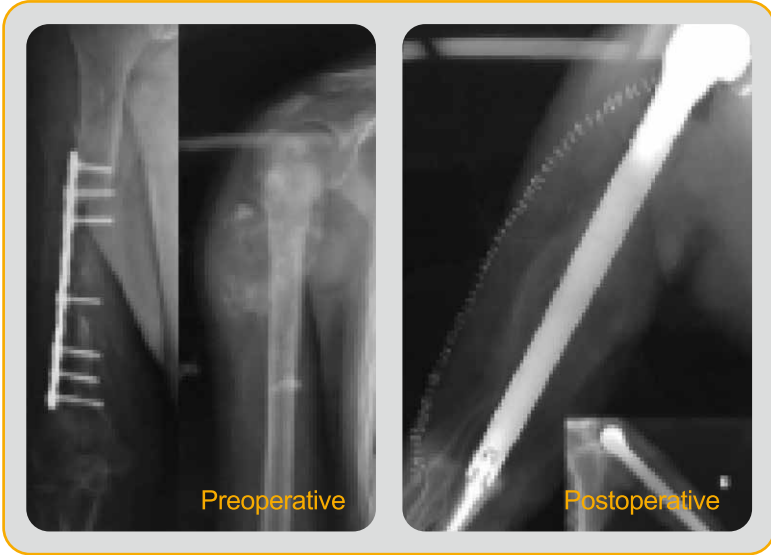
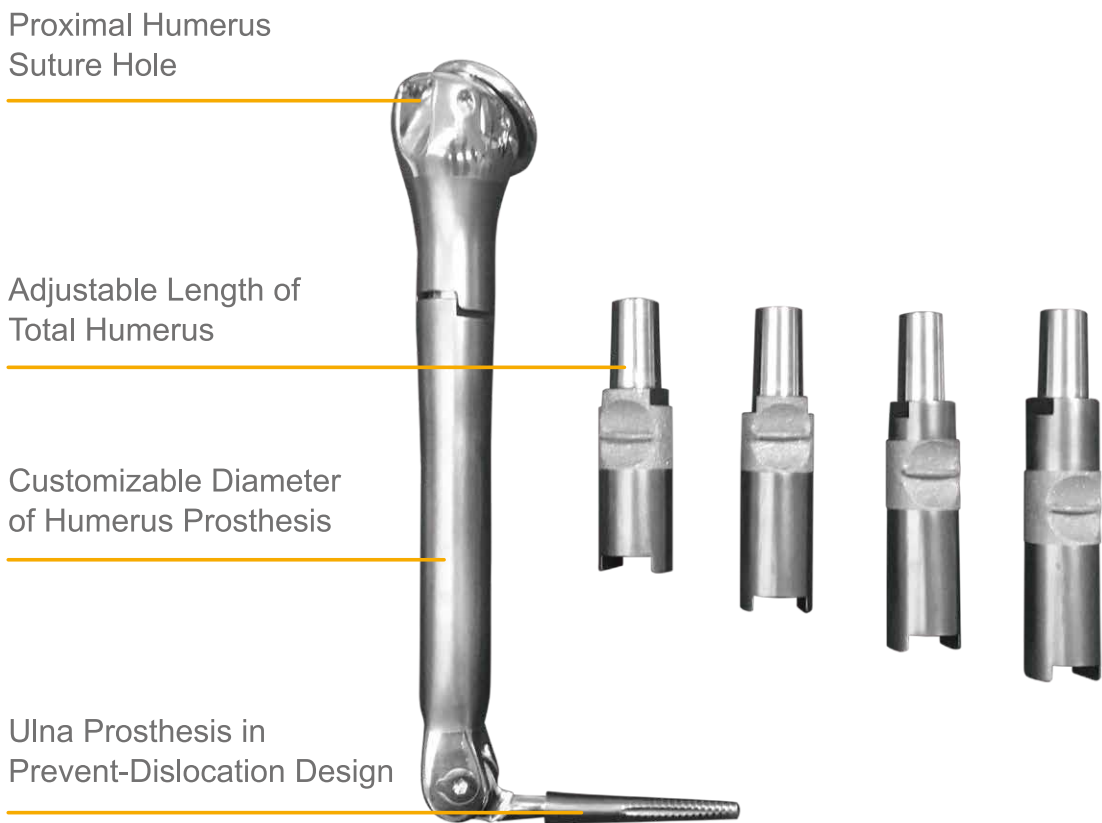


Reverse Tumor Shoulder Prosthesis

It is a limb-salvage prosthesis for severe tumor shoulder when shoulder cuff can not be reconstructed.



Total Humerus Prosthesis



Custom Artificial Elbow Prosthesis System



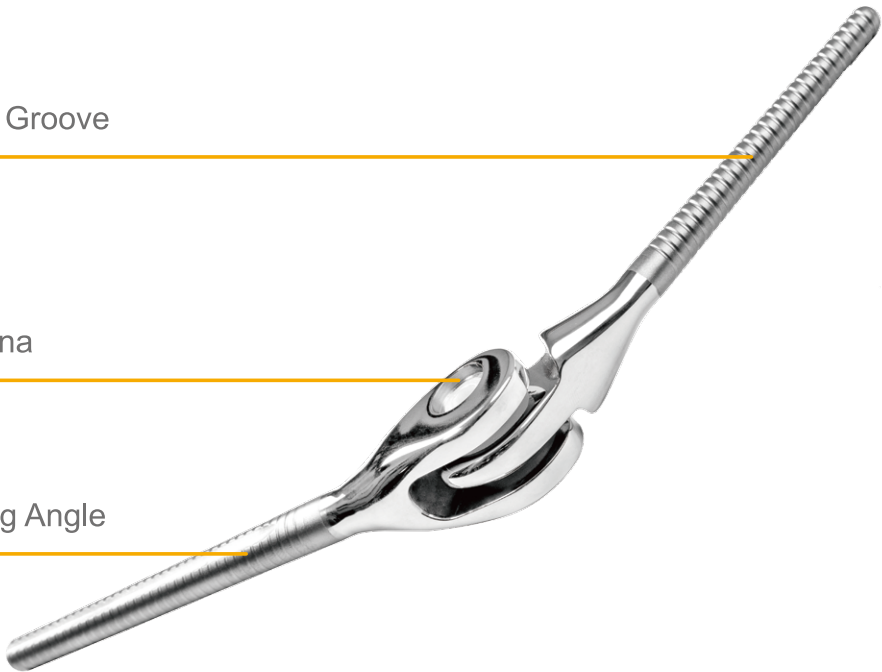
Standard Elbow Joint

Anatomic design, with carrying angle, better physiological function recovery

Anti-rotation Groove

Hinge Designa

With Carrying Angle



Capitulum Radii Elbow Joint



Unilateral-Osteotomy Elbow Joint

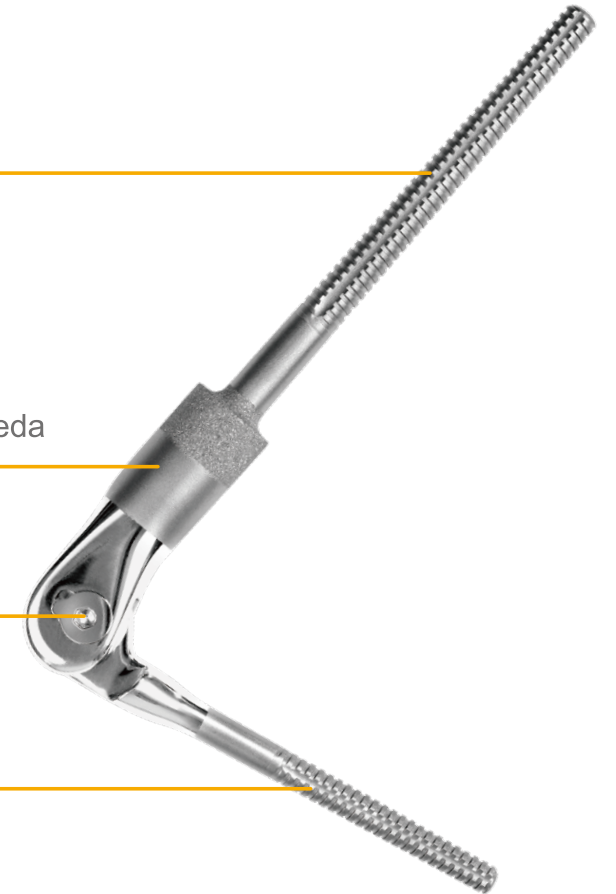
Customized prosthesis according to clinical needs, such as size of tumor, extent of injury and characters of skeleton of MRI, CT, X ray of patients.

Anti-rotation Groove

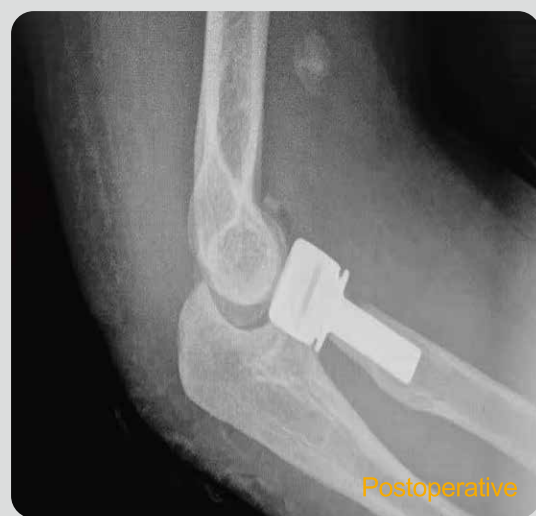
Osteotomy Length can be customized

Hinge Design

with Carrying Angle



Preoperative



Postoperative



Preoperative



Postoperative