Hip Arthroplasty

EgiFix
medical
The partner you trust

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Brief introdution

EgiFix Medical is a leading company in Egypt and the Middle East in the field of manufacturing orthopedic medical implants.
We are dedicated to providing surgeons with a wide variety of products with the aim of giving patients the ultimate care they deserve. EgiFix Medical offers inno vative solutions in spine surgery, Arthroplasty and trauma fixation.

Cementless Stem

A: Implant length.(mm)
B: Stem Dia. (mm)
C:calcar height(mm)
D :Stem length (mm)
E:Offset(mm)

Made of forged Ti-alloy that has high strength and light specific weight and low elastic modulus

Head

- International 12/14 taper, available for ceramic femoral head

Neck

- Neck angle incorporate a 135 neck angle in their design
  Highly polished flat neck decrease grinding caused by friction
- between stem neck and UHMWPE component and increase patients' mobility
- Standerd offset

Stem

- Proximal microporous technique
- Various proximal micropporous technologies (carborundun, HA and Ti) for diffeent clinical needs
  results in 0.5mm "scratch fit"perside (1mm total press fit) for rotational and axial stability while encouraging biological fixation.
- Available in up to 8 diameters to optimize patient fit.
- Best adjust to femoral canal, realizes optimal press fit as well as osseointegration
  The highly polished distal surface with longitudinal grove is anti-rotatary and conduces to reduce femoral canal pressure
- The design of distal bullet-tip succeds in avoiding stress shielding

Cemented stem

- Cemented stem BC is made of Co-Cr-Mo alloy that is wear resistant
- Biplanar stem taper is resistant to sinking and has better stress distribution
- S-shape design under collar guarantee the thickness of bone cement layer in the proximal and plays a mid-positioning function
- When the stem is planted, the collar provides an enclosed environment in the proximal and helps position and suppress the bone cement
- Distal-end mid-set keeps the stem in position in the femoral cavity
- Match with the third-generation bone cement technique

Cemented stem

Cemented hip arthroplasty made by Cobalt-chromium casting

Neck

- Neck angle 135
- Standard Offsets.

Stem

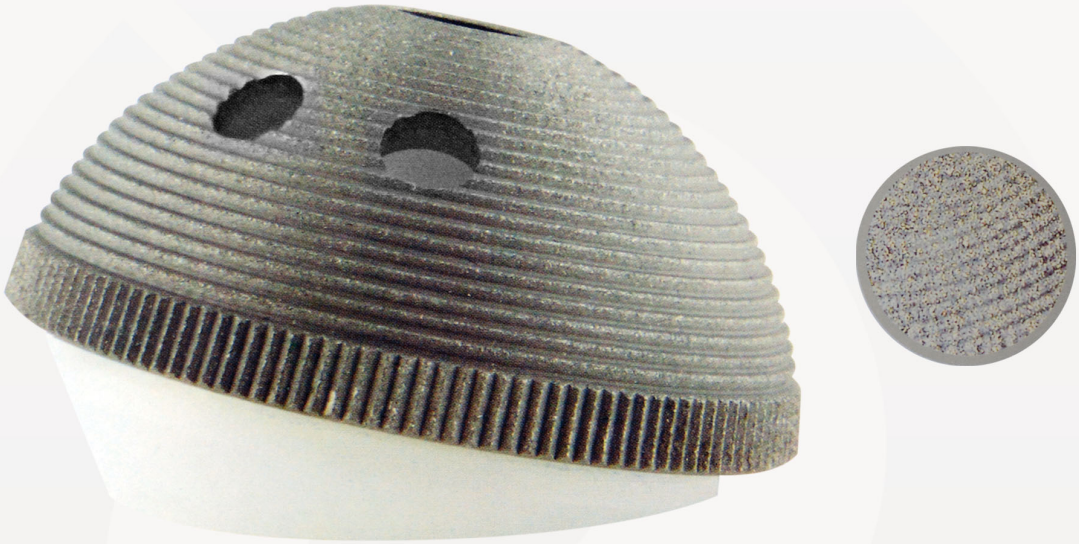
- Collarless,
- Highly polished surface reduces the shear force between prosthesis and bone cement
- Smooth prosthesis edge s avoid stress concentration and cutting the bone cement
- Available in 8 diameters.
- Biplanar taper without collar converts longitudinal shear force to lateral compression load

instruments

- The rasps have depth indicator line that correspond to the depth indicator markings on the final implant.

- These indicator are 5mm apart.

Cementless acetabular cup



- The shell is made of forged Ti-alloy has high strength, light specific weight and low elastic modulus.
- Medical UHMWPE has better abrasive resistance
- Various surface technologies (carborundum, HA and Ti) to satisfy different clinical needs
- Circle grooves increase interface with bone and enhance pull-out strength
- Excellent biological compatibility,
- Strengthens fixation with Titanium screws.
- With spikes on it's surface, the shell could save operating time and be convenient for implant.
- Multi radius design and longitudinal grooves with taper pre-fit make the shell engage tightly and bone with good anti-rotation
- 10^0 anti dislocation insert

Cemented acetabular cup

- cemented polyetethelene acetabular cup
- The patented design of stable liner and shell-locking, which has excellent function for anti-escaping and anti-prizing, achieved better effect of implantation and stability.

  Polyethylene liner is seated in proper size to shell.
- Elevated part is seated posteriorly.
- Circle grooves increase contact with bone cement.
- Internal rim is cut to expand joint motion range and decrease collision with the stem
- Metal ring along the rim will produce radiolucent line and helps locate precisely

Anti deslocation design

- The anti-dislocation liner can be implanted into the best position by rotation, that leads to fewer complications after operation. Both shell and liner adapt a biconical surface design to match tight.

  This design could prevent relatively slip which bring polyethelene debris.
- 10° anti dislocation design

Bipolar Head

- Bipolar cup is made of Co-Cr Mo alloy with mirror polish, which reduces friction coefficient to the minimum extent
- Two center design ensure the hip joint the greatest motion range and the lowest wear
- Locking design:
  Easy to install and avoid head dislocation. Push with the key when revision surgery is needed or the ball head should be changed

T Ball Head 28 T Ball Head 22

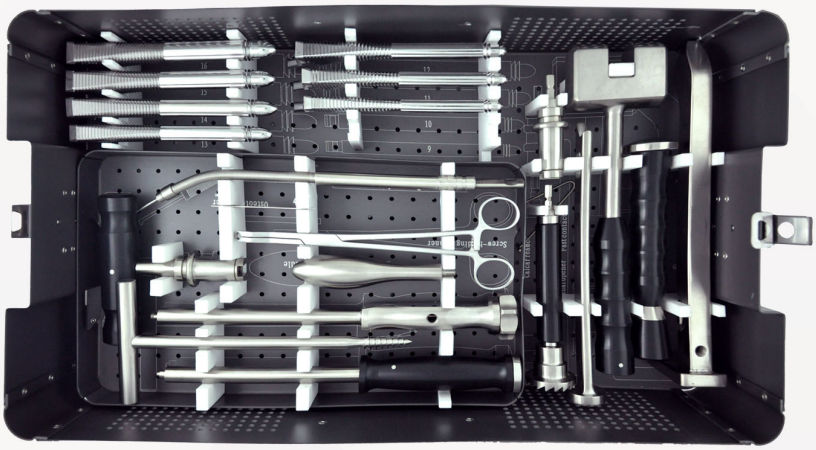
- Bipolar cup is made of Co-Cr Mo alloy with mirror polish, which reduces friction coefficient
- Highly accurate technology. All products are tested with three dimensional measurements
- Provide products of specific diameters and tapers according to clinical needs
- Two tapers (12/14, 14/15) and over 10 sizes are available

Cementless acetabular cup

- Apply for acetabular bone defect caused by revision, trauma and tumor etc
- Coarse surface engage perfectly with bone cement and bone
- Various sizes and forms available; specific processing for individuals
- Can be used with allograft

Instruments

Set 1



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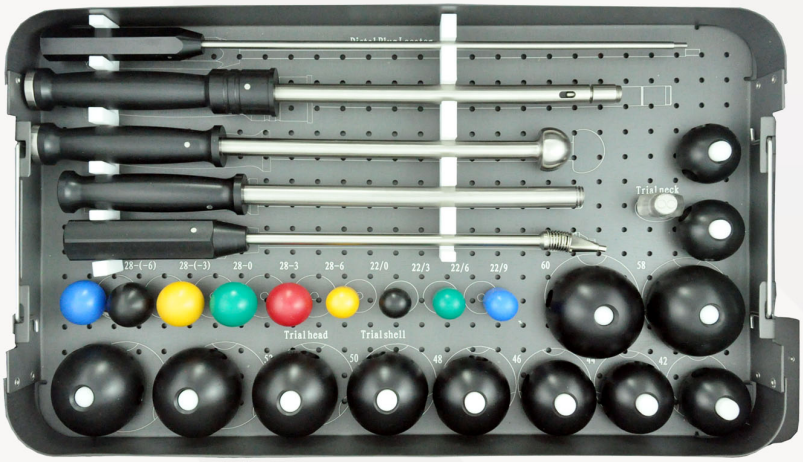

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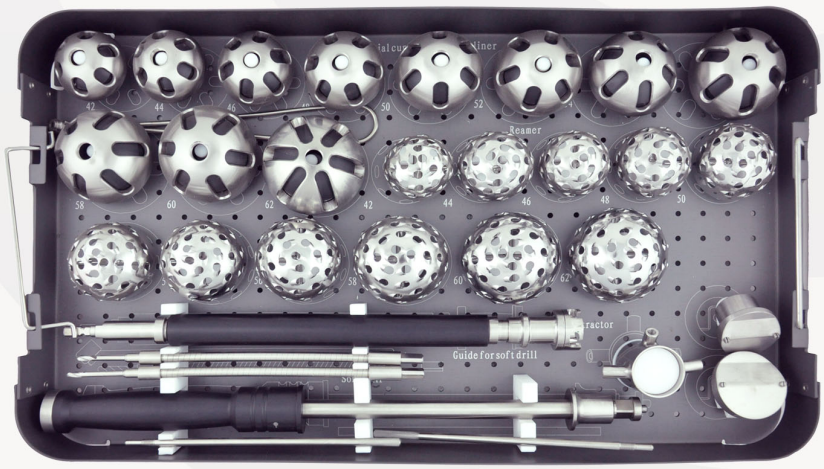

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