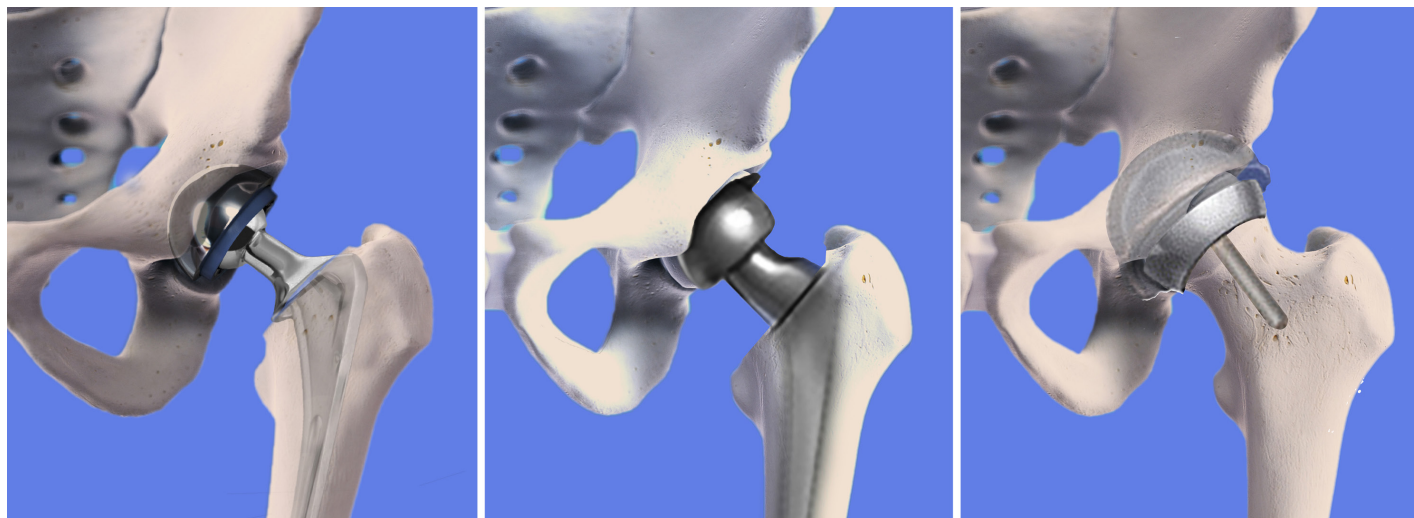


PROCEDURE BASICS

HIP REPLACEMENT



Total Hip

Partial Hip

Resurfacing Hip

Femoral Stems

Femoral Stems shown here are:
Coated Hip Stem, Uncoated Hip Stem, or Revision/
Long Hip Stem



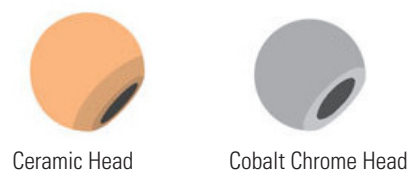
Coated Hip Stem

Uncoated Hip Stem

Revision/Long Stem

Femoral Heads

In 2019 over 70% of femoral heads were ceramic and the remaining 30% were cobalt-chrome alloy. Femoral heads range in size from 22mm to over 44mm in outside diameter.



Ceramic Head

Cobalt Chrome Head

Acetabular Shells

In 2019, 59% were made of ultraporous materials. Acetabular shells may be supplemented with screws, hole plugs, and augments to improve fixation in the pelvis.



Acetabular Liners

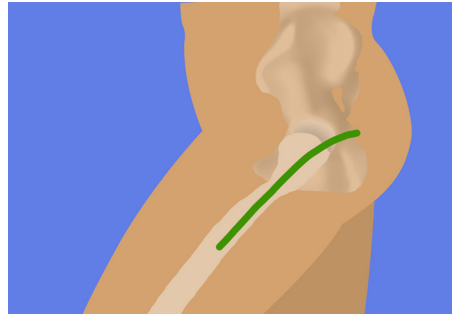
In 2019, virtually all acetabular liners were made from polyethylene -- anti-oxidant, cross-linked polyethylene, and regular polyethylene.



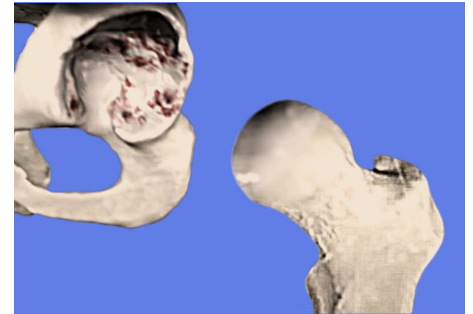
Total Hip Replacement, Step by Step



Step 1:
Preoperative Planning:
Determine implants and
equipment for surgery



Step 2:
Incision into Joint. Posterior
lateral incision shown;
anterior and lateral
approaches also used



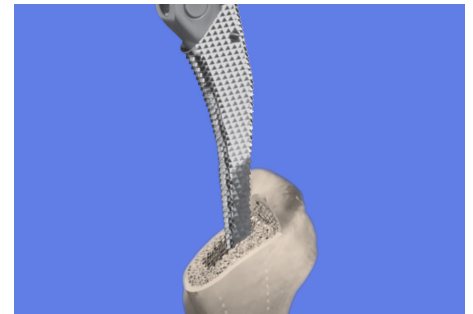
Step 3 :
Dislocate Femur from Pelvis;
Remove Femoral Head



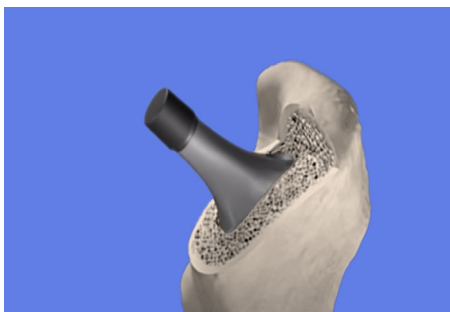
Step 4:
Ream Acetabulum



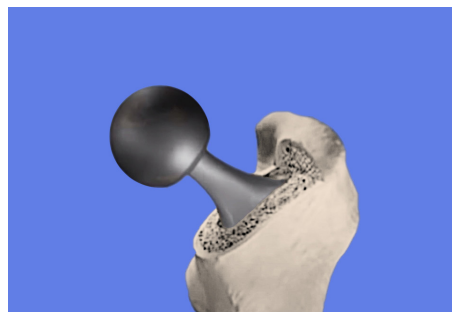
Step 5:
Place Acetabular Shell and Liner



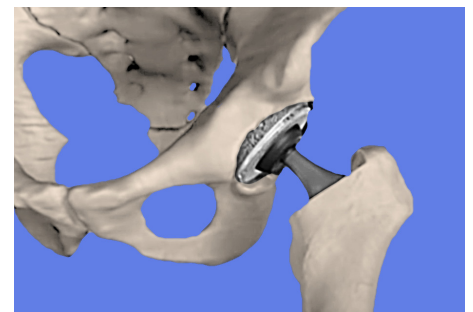
Step 6:
Rasp the femoral canal;
Femoral Stem trials may be
placed



Step 7:
Insertion of the Femoral Stem



Step 8:
Placement of the Femoral Head



Step 9:
Relocate hip joint and close
surgical site