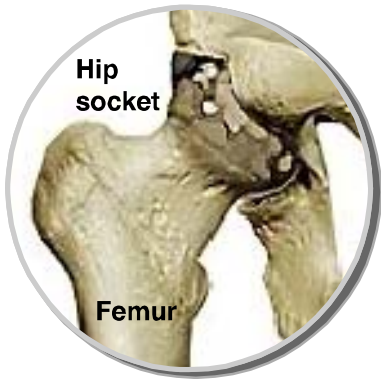


## TOTAL HIP REPLACEMENT

### HIP BEFORE IMPLANTS



### HIP AFTER IMPLANTS

### Overview

This surgery replaces diseased and damaged portions of the hip with implants designed to restore function to the hip joint.

#### 1. Damaged Bone Removed

After the femur (thigh bone) is separated from the hip socket, the damaged ball is removed.

#### 2. Hip Socket Cleaned

Damaged cartilage and bone are removed from the hip socket.

#### 3. Metal Shell Inserted

A metal shell is pressed into the hip socket. The shell may be held in place with bone cement or screws.

#### 4. Liner Inserted

A plastic liner is locked into the metal shell, and the artificial socket is complete.

#### 5. Femur Prepared

The surgeon now focuses on the femur implant. First, the end of the femur is hollowed out.

#### 6. Implant Inserted

The metal implant is placed into the top of the thigh bone. Bone cement may be used.

#### 7. Ball Attached

A metal or ceramic ball component is attached to the stem.

#### 8. End of Procedure

The new ball and socket components are joined to form the new hip joint.