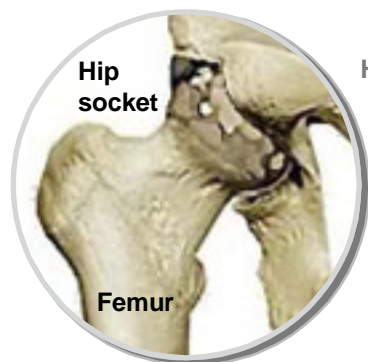


**TOTAL HIP REPLACEMENT**



**HIP BEFORE IMPLANTS**

**Overview**

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

**Damaged Bone Removed**

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

**Hip Socket Cleaned**

Damaged cartilage and bone are removed from the hip socket.

**Metal Shell Inserted**

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

**Liner Inserted**

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

**Femur Prepared**

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

**Implant Inserted**

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

**Ball Attached**

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

**End of Procedure**

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



**HIP AFTER IMPLANTS**