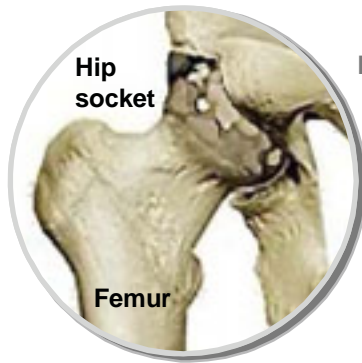


## TOTAL HIP REPLACEMENT



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.

### 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.