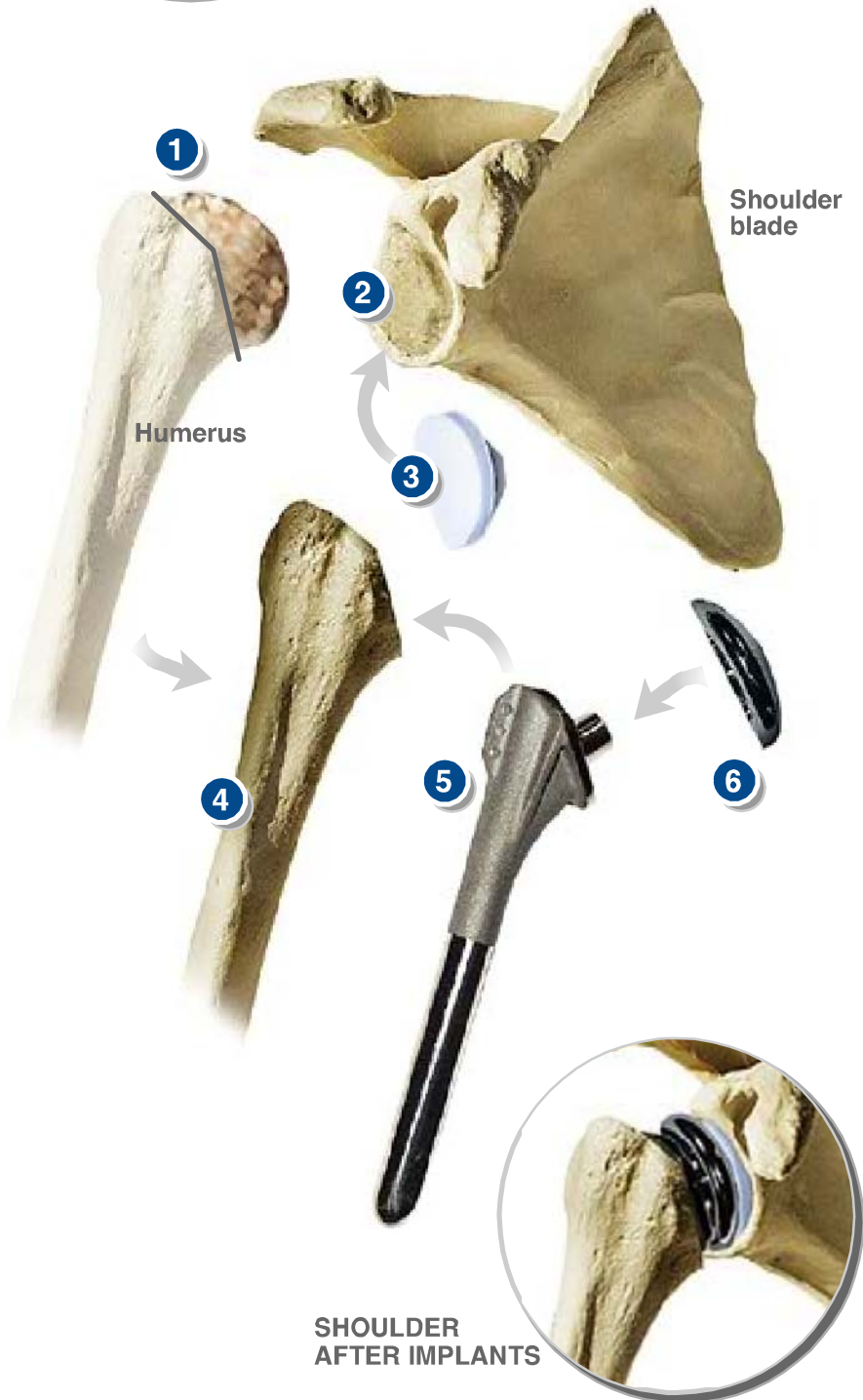
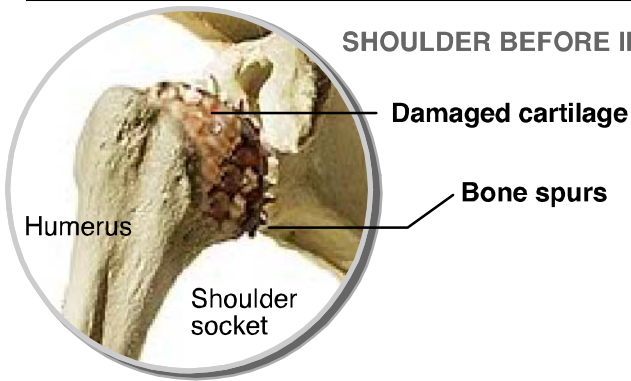


## TOTAL SHOULDER REPLACEMENT

### SHOULDER BEFORE IMPLANTS



### SHOULDER AFTER IMPLANTS

### Overview

This surgery replaces the damaged or diseased head of the humerus (also called the ball) and cartilage from the shoulder joint with a metal and plastic joint.

#### 1. Humerus Head Removed

First, the surgeon removes the head of the humerus.

#### 2. Glenoid Reshaped

The surgeon then smooths and reshapes the shoulder socket (which is called the glenoid).

#### 3. Plastic Component Attached

The plastic glenoid component is pressed into place with bone cement.

#### 4. Bone Hollowed Out

The surgeon hollows out the upper portion of the humerus to receive the implant.

#### 5. Metal Stem Implanted

The metal stem is implanted in the humerus. It may be secured with bone cement.

#### 6. Metal Head Attached

A metal ball is placed onto the stem.

### End of Procedure

The surgeon joins the repaired humerus and glenoid components to form the new shoulder joint.

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