



# Mini-Incision Total Knee Replacement

Traditional incision is 6-12 inches (16-30 cm)

Mini incision is 3-5 inches (7.5-12 cm)



Mini-incision Total Knee Arthroscopy, also called MIS TKA, replaces the damaged and painful areas of the knee joint with new metal and polyethylene plastic parts. The MIS total knee procedure is performed through a smaller incision than traditional total knee replacement surgery.

### STEP 1

The damaged portions of the femur bone and cartilage are cut away. The end of the femur bone is reshaped to allow the metal femoral component to fit on it.

### STEP 2

The metal component is attached to the end of the femur using bone cement.

### STEP 3

The damaged portions of the tibia bone and cartilage are cut away. The tibia end is reshaped to receive the metal component.

### STEP 4

The metal component for the tibia is secured to the end of the tibia bone using bone cement.

### STEP 5

A plastic plate is attached to the tibial component. The plate will support the body's weight and allow the femur to move smoothly over the tibia.

### STEP 6

To make sure the patella (knee cap) glides smoothly over the new artificial knee, its rear surface is prepared to receive a plastic component. The component is cemented into place.

