Arterial Supply of Hip

1. Superior gluteal to trochanteric anastomosis only

2. Inferior gluteal

3. 4. Lateral & medial circumflex femoral off profunda femoris supplying both anastomoses

5. Ascending branch of 1st perforator to cruciate anastomosis only

6. Art to head of femur

Int iliac Obturator

Ext iliac Femoral

Cruciate anastomosis

Trochanteric anastomosis

HIP ARTERIAL ANASTOMOSES

ARTERIAL SUPPLY TO HIP JOINT

Fracture lines.
A: Subcapital destroying virtually all supply to head of femur. Note that the vessels run beneath the retinacular fibres.
B: Intertrochanteric fracture which spares the majority of arterial supply to the head of the femur

Arteries from trochanteric and cruciate anastomoses reaching the head of the femur beneath the retinacular fibres

Arteries within marrow cavity

Small artery from obturator artery within the ligamentum teres. Probably minor contribution at any stage