Ficat and Arlet Classification

Femoral head avascular necrosis · stages 0 to IV · collapse is the key

0 — **Preclinical**
no symptoms · normal tests

I — **Normal X-ray**
MRI edema · groin pain

II — **Sclerosis or cysts**
no collapse

III — **Crescent sign**
subchondral fracture, flattening · joint space preserved

IV — **Osteoarthritis**
collapse with narrowing

0-II
No collapse: preserve the head

III-IV
Collapse: arthroplasty

Most sensitive test
MRI

Causes: corticosteroids, alcohol, displaced femoral neck fracture, sickle cell, Gaucher, diving