Tönnis Classification

Developmental dysplasia of the hip · femoral head ossific nucleus position · grades I to IV

I — **Medial**
nucleus medial to Perkin line

II — **Lateral**
lateral to Perkin, below the acetabular margin

III — **At the margin**
level with the superolateral margin

IV — **High**
above the superolateral margin

Newborn
Ortolani, Barlow and ultrasound

Risk factors
Female, breech, family, first-born

Early treatment
Pavlik harness

Hilgenreiner: horizontal through the triradiate cartilages · Perkin: vertical from the acetabular margin