

## Scoring criteria for Hip Dysplasia in the UK

Score	Norberg Angle	Subluxation	Cranial Acetabular Edge	Dorsal Acetabular Edge	Cranial Effective Acetabular Rim	Acetabular Fossa	Caudal Acetabular Edge	Femoral Head/Neck Exostosis	Femoral Head Recontouring
0	+15 & over	Femoral head well centred in acetabulum	Even curve, parallel to femoral head throughout	DAE has slight curve	Sharp, clear-cut junction of DAE & CrAE	A fine bone line curves medial and caudal from caudal end of CrAE	Clean line	Smooth rounded profile	Nil
1	+10 to +14	Femoral head centre lies medial to DAE. Lateral or medial joint space increases slightly.	Lateral or medial 1/4 CrAE flat. Lateral or medial joint space diverges slightly	Loss of S-curve only in the presence of other dysplastic change	Indistinct junction of DAE and CrAE	Slight increase in bone density medial to AF. 'Fine line' hazy or lost	Small exostosis at lateral CaAE	Slight exostosis in 'ring form' and/or dense vertical bony line adjacent to trchanteric fossa ('Morgan line')	Femoral head does not fit in circle due to exostosis or bone loss
2	=5 to +9	Femoral head centre superimposed on DAE. Medial joint space increase obvious	CrAE flat throughout most of its length	Very small exostosis on cranial DAE	Very small exostosis or very small facet	Fine line lost in AF and ventral AE hazy due to new bone. Notch at CaAE clear	Small exostosis at lateral and medial CaAE	Slight exostosis visible on skyline and/or density on medial femoral head	Some bone loss and/or femoral head/neck ring of exostosis
3	0 to +4	Femoral head centre just lateral to DAE. 1/2 femoral head within acetabulum	CrAE shows slight bilabiation	Obvious exostosis on DAE (especially cranially) and/or minor 'loss of edge'	Facet and/or small exostosis and/or slight bilabiation	Incomplete remodelling of acetabulum with medial face lateral to AF. Ventral AE lost. AF hazy. Notch irregular	Large exostosis and narrow notch at CaAE	Distinct exostosis in 'ring formation'	Obvious loss and distinct exostosis giving slight conical appearance

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4	-1 to -5	Femoral head centre clearly lateral to DAE	1/4 femoral head within acetabulum	CrAE shows moderate bilabiation	Exostosis well lateral to DAE and/or moderate 'loss of edge'	Obvious facet and/or obvious exostosis and/or moderate bilabiation	Marked exostosis and 'hooking' of lateral end of CaE	Obvious complete collar of exostosis	Gross remodelling. Obvious bone loss and exostosis gives mushroom appearance
5	-6 to -10	Femoral head centre well lateral to DAE. Femoral head just touches DAE	CrAE shows gross bilabiation	Marked exostosis all along DAE and/or gross 'loss of edge'	Gross exostosis and/or facet and/or gross bilabiation	Gross remodelling. Dense new bone throughout acetabulum. CaE notch lost and AF obscured	Gross distortion due to mass of new bone in acetabulum. Notch lost completely	Massive exostosis giving mushroom appearance	Very gross remodelling with marked bone loss and much new bone
6	-11 and over	Complete pathological dislocation	Entire CrAE slopes cranially	Massive exostosis from cranial to caudal DAE	Complete remodelling of CrEAR. Massive exostosis and/or gross facet	Complete remodelling and new articular surface, well lateral to AF. Notch lost	Void	Massive exostosis and infill of trochanteric fossa and below femoral head	Femoral head improperly shaped due to maldevelopment or femoral head centre

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