

Supplemental Table. Reliability* measures for morphologic variables.

Variable	Reliability	
	Intra-reader ICC (95% CI)	Inter-reader ICC (95% CI)
MORPHOLOGY		
Acetabular depth (mm)	0.86 (0.68-0.94)	0.90 (0.70-0.96)
Acetabular width (mm)	0.98 (0.95-0.99)	0.92 (0.75-0.97)
Acetabular depth:width	0.84 (0.64-0.93)	0.86 (0.28-0.96)
AP alpha angle (°)	0.75 (0.48-0.89)	0.63 (0.28-0.83)
Minimum JSW (mm)	0.98 (0.95-0.99)	0.95 (0.88-0.98)
Extrusion index	0.94 (0.80-0.98)	0.75 (-0.04-0.93)
Femoral shaft angle (°)	0.98 (0.94-0.99)	0.98 (0.94-0.99)
Gosvig ratio	0.98 (0.95-0.99)	0.91 (0.65-0.97)
Acetabular index (°)	0.94 (0.85-0.97)	0.47 (0.07-0.75)
LCEA (°)	0.93 (0.82-0.97)	0.70 (0.04-0.90)
Proximal femoral angle (°)	0.98 (0.95-0.99)	0.97 (0.92-0.99)
Triangular index height (mm)	0.99 (0.98-0.997)	0.97 (0.87-0.99)
Crossover sign (categorical) †	0.67 (0.42-0.83)	0.64 (0.09-0.90)
Deep acetabulum (categorical) †	0.87 (0.75-0.94)	0.80 (0.41-0.95)
Triangular Index Sign (categorical)	1.00 (1.00-1.00)	0.84 (0.64-0.93)
DISTANCE		
Femoral head diameter (mm)	0.93 (0.83-0.97)	0.96 (0.89-0.99)
Femoral neck length (mm)	0.97 (0.94-0.99)	0.93 (0.84-0.97)
Minimum neck width (mm)	0.99 (0.97-0.997)	0.99 (0.98-0.996)
Interteardrop distance (mm)	0.99 (0.94-0.995)	0.97 (0.92-0.99)
SI to symphysis (mm)	0.998 (0.996-0.999)	0.997 (0.99-0.999)
TILT		
Obturator foramen ratio	0.70 (0.38-0.87)	0.66 (0.33-0.85)
SC to symphysis (mm)	0.98 (0.95-0.99)	0.996 (0.99-0.998)

*One reader read all films (AEN); intra-reader reliability (AEN) was assessed on 20 films read twice 2 weeks apart, while inter-reader reliability was assessed on 20 films read by two readers (AEN/KML).

†For crossover sign and deep acetabulum only, intra-reader reliability (AEN) was assessed on 30 films read twice 4 weeks apart, and inter-reader reliability was assessed on 10 films read by two readers (AEN/JBR).