

Figure S1 Bland-Altman plots of interobserver agreement between two operators in the measurement of the α angle of the hip.

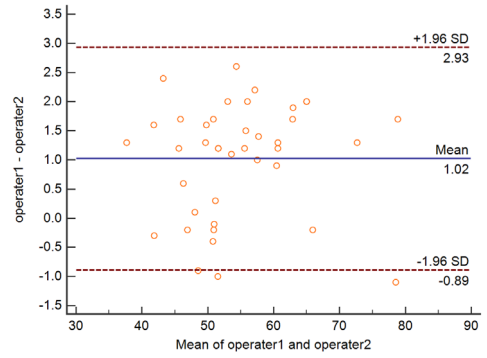


Figure S2 Bland-Altman plots of interobserver agreement between two operators in the measurement of the β angle of the hip.

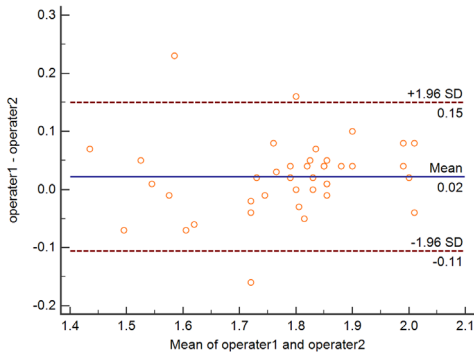


Figure S3 Bland-Altman plots of interobserver agreement between two operators in the measurement of the femoral head diameter.

Table S1 The developmental FHD of male and female in mature hips

Age/month	Male FHD/cm			Female FHD/cm			P values [†]
	Mean	LL of 95% CI	UL of 95% CI	Mean	LL of 95% CI	UL of 95% CI	
1.5	1.663	1.624	1.703	1.591	1.558	1.625	0.464
2	1.695	1.603	1.787	1.658	1.619	1.697	0.005
2.5	1.780	1.753	1.808	1.694	1.659	1.730	<0.001
3	1.796	1.764	1.828	1.706	1.673	1.738	<0.001
3.5	1.845	1.821	1.868	1.745	1.724	1.765	<0.001
4	1.853	1.830	1.876	1.773	1.755	1.791	<0.001
4.5	1.900	1.870	1.929	1.798	1.778	1.818	<0.001
5	1.892	1.864	1.920	1.807	1.788	1.826	<0.001
5.5	1.894	1.855	1.934	1.815	1.792	1.839	<0.001
6	1.919	1.886	1.952	1.813	1.793	1.832	<0.001
6.5	1.929	1.889	1.969	1.811	1.775	1.847	<0.001

[†], the comparison of female and male FHD was using the Student's *t* test. CI, confidence interval; FHD, femoral head diameter; LL, lower limit; UL, upper limit.

Table S2 The developmental femoral head ossification of male and female in mature hips

Age, month	Male femoral head ossification (%) [†]				Female femoral head ossification (%) [†]				P values [‡]
	Type I	Type II	Type III	Type IV	Type I	Type II	Type III	Type IV	
1.5	90.6	9.4	0.0	0.0	85.7	7.1	0.0	7.1	0.822
2	100.0	0.0	0.0	0.0	92.5	2.5	0.0	5.0	0.265
2.5	85.4	4.9	7.3	2.4	72.4	8.6	17.2	1.7	0.066
3	79.7	7.8	9.4	3.1	54.2	15.3	15.3	15.3	0.001
3.5	63.3	11.7	21.1	3.9	44.5	11.0	31.7	12.8	<0.001
4	63.6	9.3	16.9	10.2	38.8	8.8	35.3	17.1	<0.001
4.5	49.1	2.8	24.1	24.1	30.4	6.1	36.5	27.0	0.028
5	41.8	13.9	28.7	15.6	21.7	11.1	22.2	45.0	<0.001
5.5	40.6	9.4	12.5	37.5	7.0	10.2	37.5	45.3	0.001
6	20.4	15.3	13.3	51.0	6.8	4.0	24.4	64.8	0.001
6.5	17.3	5.8	40.4	36.5	4.3	1.4	22.9	71.4	<0.001

[†], data are percentages of different femoral head ossification types. [‡], the comparison of female and male femoral head ossification was using the Mann–Whitney *U* test