



Fig. E-1

**Figs. E-1A and E-1B** Triradiate cartilage imaging. Standing anteroposterior pelvic radiograph (**Fig. E-1A**) and coronal fast-spin echo MRI (**Fig. E-1B**) in a five-year-old male patient. Open triradiate cartilages can be appreciated in both imaging modalities (arrows).

TABLE E-1 Excluded Patients by Diagnosis

Diagnosis	No. of Patients
Legg-Calvé-Perthes disease with acetabular changes	14
Prior instrumentation (trauma and slipped capital femoral epiphysis)	13
Tumor, any mass(es)	4
Infection	2
Renal osteodystrophy	1
Ollier disease	1
Total	35

TABLE E-2 Age and Sex Distribution of 180 Subjects\*

Age	No. of Subjects	Sex	
		Male	Female
4	3	0	3
5	4	4	0
6	9	6	3
7	5	5	0
8	10	4	6
9	16	6	10
10	10	7	3
11	26	13	13
12	27	14	13
13	34	15	19
14	15	9	6
15	21	7	14

\*Of the total 180 subjects, ninety were male and ninety were female.