

TABLE E-1 The Severin and Kalamchi Classification Systems

Classification	Radiographic Appearance
Severin	
Ia	Normal
Ib	Normal
II	Moderate deformity of femoral head or neck or acetabulum
III	Dysplasia without subluxation
IV	Subluxation
V	Femoral head articulates with pseudoacetabulum in superior part of the original acetabulum
VI	Redislocation
Kalamchi and MacEwen	
I	Changes affecting the ossific nucleus
II	Lateral physeal damage
III	Central physeal damage
IV	Total damage to the head and physis

TABLE E-2 Comparison of Tönnis Grades in the Unilateral and Bilateral Groups

Tönnis Grade	Unilateral (N = 156)*	Bilateral (N = 56)*	P Value†
			<0.0001
I	3 (2)	1 (2)	
II	71 (45)	10 (18)	
III	54 (35)	19 (34)	
IV	28 (18)	26 (46)	
*The values are given as the number of patients, with the percentage in parentheses. †Fisher exact test.			