

Bilateral Developmental Dysplasia Of The Hip - Asymmetric Outcome In The Older Child

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Summary

Fifteen patients who were 2 years of age or older and had bilateral developmental dysplasia of the hip were reviewed. Thirty hips had required open reduction combined with osteotomy on the pelvic or femoral side or both as necessary. The results were assessed according to McKay and Severin classifications, and complications including asymmetric outcome were recorded. An asymmetric outcome existed if the clinical or radiologic result for the contralateral hip was more than one unit difference or a leg length discrepancy of more than 1 cm was observed. Before surgery, there was no significant difference clinically and radiologically between the right and left hips for all patients. Surgical procedures required for both hips also were symmetric in 14 (93%) patients. However, asymmetric outcome occurred in four (27%) patients, three of whom were older than 5 years. An asymmetric outcome as defined is a potential risk after surgical treatment of bilateral developmental dysplasia of the hip in children who are older than 5 years.

References:

1. BARRETT WP, 1986, J BONE JOINT SURG AM, V68, P79
2. BLOCKEY NJ, 1984, J BONE JOINT SURG BR, V66, P485
3. GALPIN RD, 1989, J BONE JOINT SURG AM, V71, P734
4. GEKER J, 1981, Z ORTHOP IHRE GRENTZ, V119, P92
5. GIBSON PH, 1982, J BONE JOINT SURG BR, V64, P169
6. GREENE WB, 1982, CLIN ORTHOP RELAT R, V162, P78
7. HEINRICH SD, 1992, CLIN ORTHOP RELAT R, V281, P34

8. KALAMCHI A, 1980, J BONE JOINT SURG AM, V62, P876
9. KERSHAW CJ, 1993, J BONE JOINT SURG BR, V75, P744
10. KLISIC P, 1976, CLIN ORTHOP RELAT R, V119, P60
11. MCKAY DW, 1974, CLIN ORTHOP RELAT R, V98, P124
12. MITCHELL GP, 1981, REV CHIR ORTHOP REPA, V67, P241
13. NAKATOH S, 1987, NIPPON SEIKEIGEKA GA, V61, P129
14. RYAN MG, 1998, J BONE JOINT SURG A, V80, P336
15. SALTER RB, 1961, J BONE JOINT SURG B, V43, P518
16. SCHOENECKER PL, 1984, J BONE JOINT SURG AM, V66, P21
17. SEVERIN E, 1941, ACTA CHIR SCAND S63, V84, P1
18. TONNIS D, 1982, CONGENITAL HIP DISLO
19. VIERE RG, 1990, J BONE JOINT SURG AM, V72, P238
20. WEINSTEIN SL, 1994, TUREKS ORTHOPAEDICS, P487
21. WILKINSON J, 1960, J BONE JOINT SURG BR, V42, P669
22. WILLIAMSON DM, 1989, J BONE JOINT SURG BR, V71, P745
23. ZIONTS LE, 1986, J BONE JOINT SURG AM, V68, P829

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