

References

S-5118

1. Egger AC, Frangiamore S, Rosneck J. Femoroacetabular Impingement: A Review. *Sports Med Arthrosc Rev.* Dec 2016; 24(4): e53-e58. PMID 27811519
2. Frank JM, Harris JD, Erickson BJ, et al. Prevalence of Femoroacetabular Impingement Imaging Findings in Asymptomatic Volunteers: A Systematic Review. *Arthroscopy.* Jun 2015; 31(6): 1199-204. PMID 25636988
3. Oner A, Koksall A, Sofu H, et al. The prevalence of femoroacetabular impingement as an aetiologic factor for end-stage degenerative osteoarthritis of the hip joint: analysis of 1,000 cases. *Hip Int.* Mar-Apr 2016; 26(2): 164-8. PMID 26916653
4. Thomas GE, Palmer AJ, Batra RN, et al. Subclinical deformities of the hip are significant predictors of radiographic osteoarthritis and joint replacement in women. A 20 year longitudinal cohort study. *Osteoarthritis Cartilage.* Oct 2014; 22(10): 1504-10. PMID 25047637
5. Reichenbach S, Leunig M, Werlen S, et al. Association between cam-type deformities and magnetic resonance imaging-detected structural hip damage: a cross-sectional study in young men. *Arthritis Rheum.* Dec 2011; 63(12): 4023-30. PMID 21904996
6. Gosvig KK, Jacobsen S, Sonne-Holm S, et al. Prevalence of malformations of the hip joint and their relationship to sex, groin pain, and risk of osteoarthritis: a population-based survey. *J Bone Joint Surg Am.* May 2010; 92(5): 1162-9. PMID 20439662
7. Takeyama A, Naito M, Shiramizu K, et al. Prevalence of femoroacetabular impingement in Asian patients with osteoarthritis of the hip. *Int Orthop.* Oct 2009; 33(5): 1229-32. PMID 19277653
8. Bardakos NV, Villar RN. Predictors of progression of osteoarthritis in femoroacetabular impingement: a radiological study with a minimum of ten years follow-up. *J Bone Joint Surg Br.* Feb 2009; 91(2): 162-9. PMID 19190047
9. Kim KC, Hwang DS, Lee CH, et al. Influence of femoroacetabular impingement on results of hip arthroscopy in patients with early osteoarthritis. *Clin Orthop Relat Res.* Mar 2007; 456: 128-32. PMID 17106273
10. Beck M, Kalhor M, Leunig M, et al. Hip morphology influences the pattern of damage to the acetabular cartilage: femoroacetabular impingement as a cause of early osteoarthritis of the hip. *J Bone Joint Surg Br.* Jul 2005; 87(7): 1012-8. PMID 15972923

11. Tanzer M, Noiseux N. Osseous abnormalities and early osteoarthritis: the role of hip impingement. *Clin Orthop Relat Res*. Dec 2004; (429): 170-7. PMID 15577483
12. Reiman MP, Peters S, Sylvain J, et al. Femoroacetabular impingement surgery allows 74% of athletes to return to the same competitive level of sports participation but their level of performance remains unreported: a systematic review with meta-analysis. *Br J Sports Med*. Aug 2018; 52(15): 972-981. PMID 29581142
13. Wall PD, Brown JS, Parsons N, et al. Surgery for treating hip impingement (femoroacetabular impingement). *Cochrane Database Syst Rev*. Sep 08 2014; (9): CD010796. PMID 25198064
14. Harris JD, Erickson BJ, Bush-Joseph CA, et al. Treatment of femoroacetabular impingement: a systematic review. *Curr Rev Musculoskelet Med*. Sep 2013; 6(3): 207-18. PMID 23743861
15. Bedi A, Chen N, Robertson W, et al. The management of labral tears and femoroacetabular impingement of the hip in the young, active patient. *Arthroscopy*. Oct 2008; 24(10): 1135-45. PMID 19028166
16. Espinosa N, Rothenfluh DA, Beck M, et al. Treatment of femoro-acetabular impingement: preliminary results of labral refixation. *J Bone Joint Surg Am*. May 2006; 88(5): 925-35. PMID 16651565
17. Peters CL, Erickson JA. Treatment of femoro-acetabular impingement with surgical dislocation and debridement in young adults. *J Bone Joint Surg Am*. Aug 2006; 88(8): 1735-41. PMID 16882895
18. Beck M, Leunig M, Parvizi J, et al. Anterior femoroacetabular impingement: part II. Midterm results of surgical treatment. *Clin Orthop Relat Res*. Jan 2004; (418): 67-73. PMID 15043095
19. Dwyer T, Whelan D, Shah PS, et al. Operative Versus Nonoperative Treatment of Femoroacetabular Impingement Syndrome: A Meta-analysis of Short-Term Outcomes. *Arthroscopy*. Jan 2020; 36(1): 263-273. PMID 31864588
20. Casartelli NC, Valenzuela PL, Maffiuletti NA, et al. Effectiveness of Hip Arthroscopy on Treatment of Femoroacetabular Impingement Syndrome: A Meta-Analysis of Randomized Controlled Trials. *Arthritis Care Res (Hoboken)*. Aug 2021; 73(8): 1140-1145. PMID 32339441
21. Minkara AA, Westermann RW, Rosneck J, et al. Systematic Review and Meta-analysis of Outcomes After Hip Arthroscopy in Femoroacetabular Impingement. *Am J Sports Med*. Feb 2019; 47(2): 488-500. PMID 29373805
22. Kierkegaard S, Langeskov-Christensen M, Lund B, et al. Pain, activities of daily living and sport function at different time points after hip arthroscopy in patients with femoroacetabular impingement: a systematic review with meta-analysis. *Br J Sports Med*. Apr 2017; 51(7): 572-579. PMID 27845683

23. Krych AJ, Thompson M, Knutson Z, et al. Arthroscopic labral repair versus selective labral debridement in female patients with femoroacetabular impingement: a prospective randomized study. *Arthroscopy*. Jan 2013; 29(1): 46-53. PMID 23276413
24. Palmer AJR, Ayyar Gupta V, Fernquest S, et al. Arthroscopic hip surgery compared with physiotherapy and activity modification for the treatment of symptomatic femoroacetabular impingement: multicentre randomised controlled trial. *BMJ*. Feb 07 2019; 364: 1185. PMID 30733197
25. Griffin DR, Dickenson EJ, Wall PDH, et al. Hip arthroscopy versus best conservative care for the treatment of femoroacetabular impingement syndrome (UK FASHIoN): a multicentre randomised controlled trial. *Lancet*. Jun 02 2018; 391(10136): 2225-2235. PMID 29893223
26. Zhang D, Chen L, Wang G. Hip arthroscopy versus open surgical dislocation for femoroacetabular impingement: A systematic review and meta-analysis. *Medicine (Baltimore)*. Oct 2016; 95(41): e5122. PMID 27741133
27. Nwachukwu BU, Rebolledo BJ, McCormick F, et al. Arthroscopic Versus Open Treatment of Femoroacetabular Impingement: A Systematic Review of Medium- to Long-Term Outcomes. *Am J Sports Med*. Apr 2016; 44(4): 1062-8. PMID 26059179
28. Matsuda DK, Carlisle JC, Arthurs SC, et al. Comparative systematic review of the open dislocation, mini-open, and arthroscopic surgeries for femoroacetabular impingement. *Arthroscopy*. Feb 2011; 27(2): 252-69. PMID 21266276
29. Botser IB, Smith TW, Nasser R, et al. Open surgical dislocation versus arthroscopy for femoroacetabular impingement: a comparison of clinical outcomes. *Arthroscopy*. Feb 2011; 27(2): 270-8. PMID 21266277
30. Papalia R, Del Buono A, Franceschi F, et al. Femoroacetabular impingement syndrome management: arthroscopy or open surgery?. *Int Orthop*. May 2012; 36(5): 903-14. PMID 22190060
31. Zingg PO, Ulbrich EJ, Buehler TC, et al. Surgical hip dislocation versus hip arthroscopy for femoroacetabular impingement: clinical and morphological short-term results. *Arch Orthop Trauma Surg*. Jan 2013; 133(1): 69-79. PMID 23064993
32. Domb BG, Stake CE, Botser IB, et al. Surgical dislocation of the hip versus arthroscopic treatment of femoroacetabular impingement: a prospective matched-pair study with average 2-year follow-up. *Arthroscopy*. Sep 2013; 29(9): 1506-13. PMID 23992988
33. Wu CT, Mahameed M, Lin PC, et al. Treatment of cam-type femoroacetabular impingement using anterolateral mini-open and arthroscopic osteochondroplasty. *J Orthop Surg Res*. Jul 17 2019; 14(1): 222. PMID 31315654

34. Chiron P, Espie A, Reina N, et al. Surgery for femoroacetabular impingement using a minimally invasive anterolateral approach: analysis of 118 cases at 2.2-year follow-up. *Orthop Traumatol Surg Res.* Feb 2012; 98(1): 30-8. PMID 22257764
35. Laude F, Stimesi E, Nogier A. Femoroacetabular impingement treatment using arthroscopy and anterior approach. *Clin Orthop Relat Res.* Mar 2009; 467(3): 747-52. PMID 19089524
36. Migliorini F, Maffulli N. Arthroscopic Management of Femoroacetabular Impingement in Adolescents: A Systematic Review. *Am J Sports Med.* Nov 2021; 49(13): 3708-3715. PMID 33740385
37. de Sa D, Cargnelli S, Catapano M, et al. Femoroacetabular impingement in skeletally immature patients: a systematic review examining indications, outcomes, and complications of open and arthroscopic treatment. *Arthroscopy.* Feb 2015; 31(2): 373-84. PMID 25262968
38. Guindani N, Eberhardt O, Wirth T, et al. Surgical dislocation for pediatric and adolescent hip deformity: clinical and radiographical results at 3 years follow-up. *Arch Orthop Trauma Surg.* Apr 2017; 137(4): 471-479. PMID 28197752
39. Nwachukwu BU, Chang B, Kahlenberg CA, et al. Arthroscopic Treatment of Femoroacetabular Impingement in Adolescents Provides Clinically Significant Outcome Improvement. *Arthroscopy.* Oct 2017; 33(10): 1812-1818. PMID 28623078
40. Tran P, Pritchard M, O'Donnell J. Outcome of arthroscopic treatment for cam type femoroacetabular impingement in adolescents. *ANZ J Surg.* May 2013; 83(5): 382-6. PMID 22943465
41. Oduwole KO, de Sa D, Kay J, et al. Surgical treatment of femoroacetabular impingement following slipped capital femoral epiphysis: A systematic review. *Bone Joint Res.* Aug 2017; 6(8): 472-480. PMID 28790036
42. Sink EL, Zaltz I, Heare T, et al. Acetabular cartilage and labral damage observed during surgical hip dislocation for stable slipped capital femoral epiphysis. *J Pediatr Orthop.* Jan-Feb 2010; 30(1): 26-30. PMID 20032738
43. Ziebarth K, Zilkens C, Spencer S, et al. Capital realignment for moderate and severe SCFE using a modified Dunn procedure. *Clin Orthop Relat Res.* Mar 2009; 467(3): 704-16. PMID 19142692
44. Spencer S, Millis MB, Kim YJ. Early results of treatment of hip impingement syndrome in slipped capital femoral epiphysis and pistol grip deformity of the femoral head-neck junction using the surgical dislocation technique. *J Pediatr Orthop.* May-Jun 2006; 26(3): 281-5. PMID 16670535
45. O'Connor M, Steinl GK, Padaki AS, et al. Outcomes of Revision Hip Arthroscopic Surgery: A Systematic Review and Meta-analysis. *Am J Sports Med.* Apr 2020; 48(5): 1254-1262. PMID 31503501

46. Sardana V, Philippon MJ, de Sa D, et al. Revision Hip Arthroscopy Indications and Outcomes: A Systematic Review. *Arthroscopy*. Oct 2015; 31(10): 2047-55. PMID 26033461
47. Cvetanovich GL, Harris JD, Erickson BJ, et al. Revision Hip Arthroscopy: A Systematic Review of Diagnoses, Operative Findings, and Outcomes. *Arthroscopy*. Jul 2015; 31(7): 1382-90. PMID 25703289
48. Gwathmey FW, Jones KS, Thomas Byrd JW. Revision hip arthroscopy: findings and outcomes. *J Hip Preserv Surg*. Dec 2017; 4(4): 318-323. PMID 29250340
49. Newman JT, Briggs KK, McNamara SC, et al. Outcomes After Revision Hip Arthroscopic Surgery in Adolescent Patients Compared With a Matched Cohort Undergoing Primary Arthroscopic Surgery. *Am J Sports Med*. Dec 2016; 44(12): 3063-3069. PMID 27514736
50. Lynch TS, Minkara A, Aoki S, et al. Best Practice Guidelines for Hip Arthroscopy in Femoroacetabular Impingement: Results of a Delphi Process. *J Am Acad Orthop Surg*. Jan 15 2020; 28(2): 81-89. PMID 31181030
51. National Institute for Health and Clinical Excellence (NICE). Arthroscopic femoro-acetabular surgery for hip impingement syndrome [IPG408]. 2011; <https://www.nice.org.uk/guidance/IPG408>. Accessed March 7, 2022.
52. National Institute for Health and Care Excellence (NICE). Open femoro-acetabular surgery for hip impingement syndrome [IPG403]. 2011; <https://www.nice.org.uk/guidance/IPG403>. Accessed March 6, 2022.