

## Appendix

### Case Reports Excluded from Review

**1.**

Adelman SC, Urquhart AG, Sondak V, Biermann JS, Freiberg AA. Polyethylene wear debris presenting as a retroperitoneal tumor. *Surgery*. 1998;123:111-2.

**2.**

Akisue T, Kurosaka M, Matsui N, Yamaguchi M, Hasuda K, Bauer TW, Yoshiya SI. Paratibial cyst associated with wear debris after total knee arthroplasty. *J Arthroplasty*. 2001;16:389-93.

**3.**

Akpınar S, Cırcı E, Hersekli MA, Uysal M, Cesur N, Tandogan RN. Knee joint synovial cyst following total knee arthroplasty with bone allograft. *Arch Orthop Trauma Surg*. 2009;129:7-11. Epub 2008 Feb 19.

**4.**

Austin KS, Testa NN, Luntz RK, Greene JB, Smiles S. Aspergillus infection of total knee arthroplasty presenting as a popliteal cyst. Case report and review of the literature. *J Arthroplasty*. 1992;7:311-4.

**5.**

Axon JM, Outhwaite JM, Mowat AG. Unusual cysts around the knee: two case reports. *Brit J Rheumatol*. 1994;33:95-7.

**6.**

Beksaç B, Töziün R, Bakiroglu S, Sener N, Gonzalez Della Valle A. Extravascular compression of the femoral vein due to wear debris-induced iliopsoas bursitis: a rare cause of leg swelling after total hip arthroplasty. *J Arthroplasty*. 2007;22:453-6.

**7.**

Benevenia J, Lee FY, Buechel F, Parsons JR. Pathologic supracondylar fracture due to osteolytic pseudotumor of knee following cementless total knee replacement. *J Biomed Mater Res*. 1998;43:473-7.

**8.**

Bunting D, Kampa R, Pattison R. An unusual case of pigmented villonodular synovitis after total knee arthroplasty. *J Arthroplasty*. 2007;22:1229-31.

**9.**

Butler RA, Barrack RL. Total hip wear debris presenting as lower extremity swelling. A report of two cases. *J Bone Joint Surg Am*. 2004;86:142-5.

**10.**

Butt SH, Muthukumar T, Cassar-Pullicino VN, Mangham DC. Primary synovial osteochondromatosis presenting as constrictive capsulitis. *Skeletal Radiol*. 2005;34:707-13. Epub 2005 Aug 16.

**11.**

Chan YS, Wang CJ, Shin CH. Two-stage operation for treatment of a large dissecting popliteal cyst after failed total knee arthroplasty. *J Arthroplasty*. 2000;15:1068-72.

**12.**

Chang FY, Tseng KF, Chen WM, Huang CK, Chen TH, Lo WH. Metal-backed patellar component failure in total knee arthroplasty presenting as a giant calf mass. *J Arthroplasty*. 2003;18:227-30.

**13.**

Chavda DV, Garvin KL. Failure of a polyethylene total knee component presenting as a thigh mass. Report of a rare complication of total knee arthroplasty. *Clin Orthop Relat Res*. 1994;303:211-6.

**14.**

Cheung YM, Gupte CM, Beverly MJ. Iliopsoas bursitis following total hip replacement. *Arch Orthop Trauma Surg*. 2004;124:720-3. Epub 2004 Oct 23.

**15.**

Chew FS, Ramsdell MG, Keel SB. Metallosis after total knee replacement. *AJR Am J Roentgenol*. 1998;170:1556.

**16.**

Clayton RA, Beggs I, Salter DM, Grant MH, Patton JT, Porter DE. Inflammatory pseudotumor associated with femoral nerve palsy following metal-on-metal resurfacing of the hip. A case report. *J Bone Joint Surg Am*. 2008;90:1988-93.

**17.**

Corrao D, Schultz SM. Lower extremity sonography detects complex mass. *J Diagn Med Sonog*. 2003;19:114-6.

**18.**

Coulier B, Cloots V. Atypical retroperitoneal extension of iliopsoas bursitis. *Skeletal Radiol*. 2003;32:298-301.

**19.**

Counsell A, Heasley R, Arumilli B, Paul A. A groin mass caused by metal particle debris after hip resurfacing. *Acta Orthop Belg*. 2008;74:870-4.

**20.**

DeFrang RD, Guyer WD, Porter JM, Duwelius PJ. Synovial cyst formation complicating total hip arthroplasty: a case report. *Clin Orthop Relat Res*. 1996;325:163-7.

**21.**

Dirsch DR, Lachiewicz PF. Dissecting popliteal cyst as the presenting symptom of a malfunctioning total knee arthroplasty. Report of four cases. *J Arthroplasty*. 1992;7:37-41.

**22.**

Engler J, Paul H, Gamardo J, Rodríguez MA. Acute synovitis, fever and rash possibly caused by metallic debris from a loosened knee prosthesis in a patient with rheumatoid arthritis. *J Clin Rheumatol*. 2001;7:257-60.

**23.**

Farrar KL, Gardiner L. Unresolving hip tendonitis leads to discovery of malignant tumor. *J Manipulative Physiol Ther*. 2003;26:207.

**24.**

Feldmann DD, Fanelli GC. Development of a synovial cyst following anterior cruciate ligament reconstruction. *Arthroscopy*. 2001;17:200-2.

**25.**

Fischer SR, Christ DJ, Roehr BA. Sciatic neuropathy secondary to total hip arthroplasty wear debris. *J Arthroplasty*. 1999;14:771-4.

**26.**

Gibbon AJ, Wardell SR, Scott RD. Synovial cyst of the proximal tibiofibular joint with peroneal nerve compression after total knee arthroplasty. *J Arthroplasty*. 1999;14:766-8.

**27.**

Hananouchi T, Saito M, Nakamura N, Yamamoto T, Yonenobu K. Huge pelvic mass secondary to wear debris causing ureteral obstruction. *J Arthroplasty*. 2005;20:946-9.

**28.**

Hattrup SJ, Bryan RS, Gaffey TA, Stanhope CR. Pelvic mass causing vesical compression after total hip arthroplasty. Case report. *Clin Orthop Relat Res*. 1988;227:184-9.

**29.**

Hisatome T, Yasunaga Y, Ikuta Y, Takahashi K. Hidden intrapelvic granulomatous lesions associated with total hip arthroplasty: a report of two cases. *J Bone Joint Surg Am*. 2003;85:708-10.

**30.**

Hsu WH, Hsu RW, Huang TJ, Lee KF. Dissecting popliteal cyst resulting from a fragmented, dislodged metal part of the patellar component after total knee arthroplasty. *J Arthroplasty*. 2002;17:792-7.

**31.**

Huang TW, Wang CJ, Huang SC. Polyethylene-induced pes anserinus bursitis mimicking an infected total knee arthroplasty: a case report and review of the literature. *J Arthroplasty*. 2003;18:383-6.

**32.**

Iwase T, Ozawa T, Koyama A, Satake K, Tauchi R, Ohno Y. Gossypiboma (foreign body granuloma) mimicking a soft tissue tumor with hip hemiarthroplasty. *J Orthop Sci*. 2007;12:497-501. Epub 2007 Sep 28.

**33.**

Jacobs JJ, Urban RM, Wall J, Black J, Reid JD, Veneman L. Unusual foreign-body reaction to a failed total knee replacement: simulation of a sarcoma clinically and a sarcoid histologically. A case report. *J Bone Joint Surg Am*. 1995;77:444-51.

**34.**

Jeanrot C, Ouaknine M, Anract P, Forest M, Tomeno B. Massive pelvic and femoral pseudotumoral osteolysis secondary to an uncemented total hip arthroplasty. *Int Orthop*. 1999;23:37-40.

**35.**

Jones KB, Patel PP, DeYoung BR, Buckwalter JA. Viscosupplementation pseudotumor. A case report. *J Bone Joint Surg Am*. 2005;87:1113-9.

**36.**

Kisielski K, Cremerius U, Reinartz P, Niethard FU. Fluorodeoxyglucose positron emission tomography detection of inflammatory reactions due to polyethylene wear in total hip arthroplasty. *J Arthroplasty*. 2003;18:528-32.

**37.**

Kohn D, Pape D. Extensive intrapelvic granuloma formation caused by ceramic fragments after revision total hip arthroplasty. *J Arthroplasty*. 2007;22:293-6.

**38.**

Korkala O, Syrjänen KJ. Intrapelvic cyst formation after hip arthroplasty with a carbon fibre-reinforced polyethylene socket. *Arch Orthop Trauma Surg*. 1998;118:113-5.

**39.**

Kristiansen B, Varmarken JE, Olsen CA. Giant rheumatoid cyst of the calf simulating a soft tissue tumour. *Scand J Rheumatol*. 1988;17:297-9.

**40.**

Leigh W, O'Grady P, Lawson EM, Hung NA, Theis JC, Matheson J. Pelvic pseudotumor: an unusual presentation of an extra-articular granuloma in a well-fixed total hip arthroplasty. *J Arthroplasty*. 2008;23:934-8. Epub 2008 Mar 7.

**41.**

Lusk RH, Wienke EC, Milligan TW, Albus TE. Tuberculous and foreign-body granulomatous reactions involving a total knee prosthesis. *Arthritis Rheum*. 1995;38:1325-7.

**42.**

Mak KH, Wong TK, Poddar NC. Wear debris from total hip arthroplasty presenting as an intrapelvic mass. *J Arthroplasty*. 2001;16:674-6.

**43.**

Matsumoto K, Hukuda S, Nishioka J, Fujita T. Iliopsoas bursal distension caused by acetabular loosening after total hip arthroplasty. A rare complication of total hip arthroplasty. *Clin Orthop Relat Res*. 1992;279:144-8.

**44.**

Moholkar K, Tamblyn P. Aggressive granulomatous lesion presenting as tumor in cementless long stem total hip arthroplasty. *J Arthroplasty*. 2001;16:404-7.

**45.**

Moretti B, Patella V, Mouhsine E, Pesce V, Spinarelli A, Garofalo R. Multilobulated popliteal cyst after a failed total knee arthroplasty. *Knee Surg Sports Traumatol Arthrosc*. 2007;15:212-6. Epub 2006 Aug 5.

**46.**

Nadlaican LM, Freemont AJ, Paul AS. Wear debris-induced pseudotumour in a cemented total knee replacement. *Knee*. 2000;7:183-5.

**47.**

Nehme A, Oakes DA, Marcheix B, Gomez-Brouchet A, Puget J. Compressive intrapelvic synovial cysts: an early complication of an HA-coated cup. *Clin Orthop Relat Res*. 2005;430:232-6.

**48.**

Nihal A, Drabu KJ. A lump in the groin: an unusual presentation of loose hip prosthesis. *J R Coll Surg Edinb.* 1998;43:59-60.

**49.**

Niki Y, Matsumoto H, Otani T, Yoshimine F, Inokuchi W, Morisue H. Gigantic popliteal synovial cyst caused by wear particles after total knee arthroplasty. *J Arthroplasty.* 2003;18:1071-5.

**50.**

Nolan JF, Bucknill TM. Aggressive granulomatosis from polyethylene failure in an uncemented knee replacement. *J Bone Joint Surg Br.* 1992;74:23-4.

**51.**

Pang ST, Chuang CK, Ho WP, Chu SH. Pseudotumor formation in the bladder as a late complication of total hip replacement. *J Urol.* 1997;157:2254.

**52.**

Patterson P, Grigoris P, Raby N, Reid R. A thigh mass associated with a total hip replacement in a 69-year-old woman. *Clin Orthop Relat Res.* 2002;404:373-7, 387-9.

**53.**

Pavlov H, Steinbach L, Fried SH. A posterior ascending popliteal cyst mimicking thrombophlebitis following total knee arthroplasty (TKA). *Clin Orthop Relat Res.* 1983;179:204-8.

**54.**

Regis D, Sandri A, Costa A, Bartolozzi P, Mazzilli G. Recurrent femoral deep vein thrombosis: rare complication of a pelvic mass induced by polyethylene wear debris following total hip arthroplasty. A case report. *Thromb Res.* 2008;121:593-5. Epub 2007 Aug 10.

**55.**

Reigstad A, Røkkum M. An intrapelvic granuloma induced by acetabular cup loosening. *Acta Orthop Scand.* 1992;63:465-6.

**56.**

Shen J, Griffin AM, Gross AE, Bell RS. Musculoskeletal images. Granuloma of the buttock after uncemented total hip arthroplasty. *Can J Surg.* 1999;42:250.

**57.**

Shilt JS, Rozencwaig R, Wilson MR. Pelvic mass secondary to polyethylene and titanium alloy wear debris resulting in recurrent deep vein thrombosis. *J Arthroplasty.* 1997;12:946-9.

**58.**

Sporer SM, Bernini PM. Extensive periacetabular osteolysis presenting as a mass on rectal examination. A case report. *J Bone Joint Surg Am.* 2002;84:1439-41.

**59.**

Stuplich M, Hottinger AF, Stoupis C, Sturzenegger M. Combined femoral and obturator neuropathy caused by synovial cyst of the hip. *Muscle Nerve.* 2005;32:552-4.

**60.**

Svensson O, Mathiesen EB, Reinholt FP, Blomgren G. Formation of a fulminant soft-tissue pseudotumor after uncemented hip arthroplasty. A case report. *J Bone Joint Surg Am.* 1988;70:1238-42.

**61.**

Thienpont E, Vernaeve H. Reactive pelvic cyst following total hip arthroplasty. A case report. *Acta Orthop Belg.* 2003;69:292-4.

**62.**

Travis WD, Balogh K, Abraham JL. Silicone granulomas: report of three cases and review of the literature. *Hum Pathol.* 1985;16:19-27.

**63.**

Van Mourik JB, Josaputra HA, Axler A. Giant synovial cyst causing deep venous thrombosis: brief report. *J Bone Joint Surg Br.* 1988;70:841.

**64.**

Waite J, Marks P, Young D. Acute sciatic nerve palsy caused by a polyethylene granuloma arising from a well-fixed total knee arthroplasty. *J Arthroplasty.* 2006;21:907-10.

**65.**

Wang JW, Lin CC. Pelvic mass caused by polyethylene wear after uncemented total hip arthroplasty. *J Arthroplasty.* 1996;11:626-8.

**66.**

Yamakado K. Dissecting a popliteal cyst after failed unicompartmental knee arthroplasty. *Arthroscopy.* 2002;18:1024-8.

**67.**

Yoon TR, Song EK, Chung JY, Park CH. Femoral neuropathy caused by enlarged iliopsoas bursa associated with osteonecrosis of femoral head—a case report. *Acta Orthop Scand.* 2000;71:322-4.