

BÖLÜM

10

PELVİSİ ETKİLEYEN KONJENİTAL, SİSTEMİK ve METABOLİK HASTALIKLAR

Yasin SARIKAYA¹

Vaka 1: Femur Başı Avasküler Nekrozu (Osteonekroz)

Vaka 2: Osteopoikilozis

Vaka 3: Piknodizostozis

Vaka 4: McCune Albright Sendromu – Fibröz Displazi

Vaka 5: Paget Hastalığı

Vaka 6: Sakroileit

¹ Uzman Doktor, Dr. Sami Ulus Kadın Doğum Çocuk Sağlığı ve Hastalıkları Eğitim ve Araştırma Hastanesi, yasinsfl@gmail.com

arasında köprüleşmeyi tanımlamaktadır (31,32).

BT subkondral skleroz, erozyon, eklem aralığında daralma ve ankiloz gibi yapısal değişiklikleri göstermede MRG yerine tercih edilebilir (36).

Tuzaklar

MRG'de aktif inflamasyonu taklit eden bazı yapısal ve teknik detayları akılda tutmak önemlidir. Ligamentlerin çevresindeki vasküler yapılar STIR görüntülerde aktif inflamasyonla karıştırılabilmektedir. Yağ baskılamanın posterior kesimlerde yetersiz kalması bu düzeyde kemik iliği ödemi taklit edebilir. Benzer şekilde koil etkisi olarak bilinen artefakt koil-yüzey bileşkesinde daha yüksek sinyal oluşumuna neden olarak kemik iliği ödemi ile karışabilmektedir. Ancak bu durumlarda komşu yumuşak dokuda benzer etkilerin görülmesi artefaktın tanınmasını sağlamaktadır (31,33).

Tedavi ve yaklaşım

Tedavi yelpazesi hasta eğitimi, egzersizler, anti-inflamatuar-immünmodülatör ilaçların kullanımı (NSAI, steroid, anti-TNF) ve cerrahi içermektedir (31).

KAYNAKLAR

1. Yoon PW, Kwak HS, Yoo JJ, et al. Subchondral insufficiency fracture of the femoral head in elderly people. *J Korean Med Sci.* 2014;29(4):593–598.
2. Choi HR, Steinberg ME, Y. Cheng E. Osteonecrosis of the femoral head: Diagnosis and classification systems. *Curr Rev Musculoskelet Med.* 2015;8(3):210–220.
3. Szwedowski D, Nitek Z, Walecki J. Evaluation of transient osteoporosis of the hip in magnetic resonance imaging. *Polish J Radiol.* 2014;79:36–38.
4. Murphey MD, Foreman KL, Klassen-Fischer MK, et al. From the radiologic pathology archives: Imaging of osteonecrosis: Radiologic-pathologic correlation. *Radiographics.* 2014;34(4):1003–1028.
5. Rampal V, Clément J-L, Solla F. Legg-Calvé-Perthes disease: classifications and prognostic factors. *Clin cases Miner bone Metab.* 2017;14(1):74–82.
6. Ha YC, Jung WH, Kim JR, et al. Prediction of collapse in femoral head osteonecrosis: A modified Kerboul method with use of magnetic resonance images. *J Bone Joint Surg Am.* 2006;88(suppl 3):35–40.
7. Ficat RP, Arlet J. 'Necrosis of the femoral head'. In: Hungerford DS, eds. Ischemia and necrosis bone. *Baltimore, Md: Williams & Wilkins.* 1980;171–182.
8. Tripathy SK, Goyal T, Sen RK. Management of femoral head osteonecrosis: Current concepts. *Indian J Orthop.* 2015;49(1):28–45.
9. Di Primio G. Benign spotted bones: A diagnostic dilemma. *CMAJ.* 2011;183(4):456–459.
10. Botwin A, Wasyliv C. Osteopoikilosis Demonstrating Multiple Joint Involvement in an Adult Male: An Incidental Radiographic Finding. *Cureus.* 2018;10(9):3253
11. Serdaroglu M, Çapkin E, Üçüncü F, et al. Case report of a patient with osteopoikilosis. *Rheumatol Int.* 2007;27(7):683–686.
12. Tin AW, Hardman J, Naisby G. Two cases of mimics of bone metastasis in breast cancer. *BJR Case Rep.* 2017;3(20170091).
13. Ihde LL, Forrester DM, Gottsegen CJ, et al. Sclerosing bone dysplasias: Review and differentiation from other causes of osteosclerosis. *Radiographics.* 2011;31(7):1865–1882.
14. Hill CE, McKee L. Osteopoikilosis: An important incidental finding. *Injury.* 2015;46(7):1403–1405.
15. Liu S, Zhou X, Song A, et al. Osteopoikilosis. *Postgrad Med J.* 2019;95(1130):679.

16. Kaur H, Gupta K, Tiwari P. Cleidocranial dysplasia: Radiological mimic of pyknodysostosis – A case report. *SA J Radiol.* 2018;22(1):1326.
17. Hiddema W, Barnard B. Pycnodysostosis with the focus on clinical and radiographic findings: case report. *S Afr J Rad.* 2012;16(2):74–76.
18. Fleming KW, Barest G, Sakai O. Dental and facial bone abnormalities in pyknodysostosis: CT findings. *AJNR.* 2007;28(1):132–134.
19. Rodrigues C, Gomes FA, Arruda JA, et al. Clinical and radiographic features of pycnodysostosis: A case report. *J Clin Exp Dent.* 2017;9(10):1276–1281.
20. Dahnert W. Radiology review manual (8th edit). Philadelphia: Wolters Kluwer; 2017.
21. Fitzpatrick KA, Taljanovic MS, Speer DP, et al. Imaging Findings of Fibrous Dysplasia with Histopathologic and Intraoperative Correlation. *Am J Roentgenol.* 2004;182(6):1389–1398.
22. Bousson V, Rey-Jouvin C, Laredo JD, et al. Fibrous dysplasia and McCune-Albright syndrome: imaging for positive and differential diagnoses, prognosis, and follow-up guidelines. *Eur J Radiol.* 2014;83(10):1828–1842.
23. Chapurlat RD, Orcel P. Fibrous dysplasia of bone and McCune-Albright syndrome. *Best Pract Res Clin Rheumatol.* 2008;22(1):55–69.
24. Kushchayeva YS, Kushchayev SV, Glushko TY, et al. Fibrous dysplasia for radiologists: beyond ground glass bone matrix. *Insights Imaging.* 2018;9(6):1035–1056.
25. Theodorou DJ, Theodorou SJ, Kakitsubata Y. Imaging of Paget Disease of Bone and Its Musculoskeletal Complications: Review. *Am J Roentgenol.* 2011;196(6):64–75.
26. Smith SE, Murphey MD, Motamedi K, et al. From the archives of the AFIP: Radiologic spectrum of paget disease of bone and its complications with pathologic correlation. *Radiographics.* 2002;22(5):1191–1216.
27. Mirra JM, Brien EW, Tehranzadeh J. Paget's disease of bone: review with emphasis on radiologic features, part II. *Skeletal Radiol.* 1995;24(3):173–184.
28. Moore TE, King AR, Kathol MH, et al. Sarcoma in Paget disease of bone: Clinical, radiologic, and pathologic features in 22 cases. *Am J Roentgenol.* 1991;156(6):1199–1203.
29. Kaufmann GA, Sundaram M, McDonald DJ. Magnetic resonance imaging in symptomatic Paget's disease. *Skeletal Radiol.* 1991;20(6):413–418.
30. Hadjipavlou AG, Gaitanis IN, Kontakis GM. Paget's disease of the bone and its management. *J Bone Jt Surg.* 2002;84(2):160–169.
31. Sieper J, Rudwaleit M, Baraliakos X, et al. The Assessment of SpondyloArthritis international Society (ASAS) handbook: A guide to assess spondyloarthritis. *Ann Rheum Dis.* 2009;68(SUPPL. 2):ii1–44.
32. Prakash D, Prabhu SM, Irodi A. Seronegative spondyloarthropathy-related sacroiliitis: CT, MRI features and differentials. *Indian J Radiol Imaging.* 2014;24(3):271–278.
33. Navallas M, Ares J, Beltrán B, et al. Sacroiliitis Associated with Axial Spondyloarthropathy: New Concepts and Latest Trends. *RadioGraphics.* 2013;33(4):933–956.
34. Kang Y, Hong SH, Kim JY, et al. Unilateral Sacroiliitis: Differential Diagnosis Between Infectious Sacroiliitis and Spondyloarthritis Based on MRI Findings. *Am J Roentgenol.* 2015;205(5):1048–1055.
35. Lambert RGW, Bakker PAC, Van Der Heijde D, et al. Defining active sacroiliitis on MRI for classification of axial spondyloarthritis: Update by the ASAS MRI working group. *Ann Rheum Dis.* 2016;75(11):1958–1963.
36. Tsoi C, Griffith JF, Lee RKL, et al. Imaging of sacroiliitis: Current status, limitations and pitfalls. *Quant Imaging Med Surg.* 2019;9(2):318–335.