

BÖLÜM

1

# ADRENAL BEZ HASTALIKLARI

*Gülay GÜNGÖR<sup>1</sup>*

**Vaka 1:** Adenom

**Vaka 2:** Myelolipom

**Vaka 3:** Adrenal kist

**Vaka 4:** Metastaz

**Vaka 5:** Adrenokortikal tümör

**Vaka 6:** Feokromasitoma

**Vaka 7:** Nöroblastom

---

<sup>1</sup> Doç. Dr., Pamukkale Üniversitesi Tıp Fakültesi Radyoloji Ana Bilim Dalı, drgulaygungor@gmail.com

## KAYNAKLAR

1. Boland GW, Lee MJ, Gazelle GS, et al. Characterization of adrenal masses using unenhanced CT: an analysis of the CT literature. *AJR*. 1998;171:201-204.
2. Blake MA, Kalra MK, Sweeney AT, et al. Distinguishing benign from malignant adrenal masses: multi-detector row CT protocol with 10-minute delay. *Radiology*. 2006;238:578-585.
3. Israel GM, Korobkin M, Wang C, et al. Comparison of unenhanced CT and chemical shift MRI in evaluating lipid-rich adrenal adenomas. *AJR*. 2004;183:215-219.
4. Mayo-Smith WW, Song JH, Boland GL, et al. Management of Incidental Adrenal Masses: A White Paper of the ACR Incidental Findings Committee. *J Am Coll Radiol*. 2017;14:1038-1044. doi: 10.1016/j.jacr.2017.05.001.
5. Boland GW, Blake MA, Hahn PF, et al. Incidental adrenal lesions: principles, techniques, and algorithms for imaging characterization. *Radiology*. 2008;249:756-775. doi: 10.1148/radiol.2493070976.
6. Adam SZ, Nikolaidis P, Horowitz JM, et al. Chemical Shift MR Imaging of the Adrenal Gland: Principles, Pitfalls, and Applications. *Radiographics*. 2016;36:414-32. doi: 10.1148/rg.2016150139.
7. Rodacki K, Ramalho M, Dale BM, et al. Combined chemical shift imaging with early dynamic serial gadolinium-enhanced MRI in the characterization of adrenal lesions. *AJR*. 2014;203:99-106. doi: 10.2214/AJR.13.11731.
8. Lattin GE Jr, Sturgill ED, Tujo CA, et al. Adrenal tumors and tumor-like conditions in the adult: radiologic-pathologic correlation. *RadioGraphics*. 2014;34:805-829. doi: 10.1148/rg.343130127.
9. Lee JK. (2006). *Computed body tomography with MRI correlation*. Lippincott: Williams & Wilkins. ISBN:0781745268.
10. Craig WD, Fanburg-Smith JC, Henry LR, et al. Fat-containing lesions of the retroperitoneum: radiologic-pathologic correlation. *Radiographics*. 2009;29:261-290. doi: 10.1148/rg.291085203.
11. Routhier JR, Woodfield CA, Mayo-Smith WW. AJR teaching file: fat-containing retroperitoneal mass presenting with acute flank pain. *AJR*. 2009;192:122-124. doi: 10.2214/AJR.07.7007.
12. Elsayes KM, Elmohr MM, Javadi S, et al. Mimics, pitfalls, and misdiagnoses of adrenal masses on CT and MRI. *Abdom Radiol*. 2020;45:982-1000. doi: 10.1007/s00261-019-02082-4.
13. Kenney PJ, Wagner BJ, Rao P, et al. Myelolipoma: CT and pathologic features. *Radiology*. 1998;208:87-95.
14. Öztekin Ö, Eren CS, Ölmezoglu A, et al. Adrenal myelolipom: Olgu Sunumu. *Ege Tıp Dergisi*. 2001;40:207-209.
15. Dimitrios A. Linos, Jon A. van Heerden. (2005). *Adrenal Glands: Diagnostic Aspects and Surgical Therapy*. Springer Science & Business Media. ISBN: 9783540268611.
16. Ricci Z, Chernyak V, Hsu K, et al. Adrenal cysts: natural history by long-term imaging follow-up. *AJR*. 2013;201:1009-1016. doi: 10.2214/AJR.12.9202.
17. Johnson PT, Horton KM, Fishman EK. Adrenal imaging with MDCT: Nonneoplastic disease. *AJR*. 2009;193:1128-1135. doi: 10.2214/AJR.09.2551.
18. Chien HP, Chang YS, Hsu PS, et al. Adrenal cystic lesions: a clinicopathological analysis of 25 cases with proposed histogenesis and review of the literature. *Endocr Pathol*. 2008;19:274-281. doi: 10.1007/s12022-008-9046-y.
19. Blake MA, Cronin CG, Boland GW. Adrenal imaging. *AJR*. 2010;194:1450-1460. doi: 10.2214/AJR.10.4547.
20. Elsayes KM, Mukundan G, Narra VR, et al. Adrenal masses: mr imaging features with pathologic correlation. *Radiographics*. 2004;24:73-86.
21. Choi YA, Kim CK, Park BK, et al. Evaluation of adrenal metastases from renal cell carcinoma and hepatocellular carcinoma: use of delayed contrast-enhanced CT. *Radiology*. 2013;266:514-520. doi: 10.1148/radiol.12120110.
22. Mazzaglia PJ, Monchik JM. Limited value of adrenal biopsy in the evaluation of adrenal neoplasm: a decade of experience. *Arch Surg*. 2009;144:465-470. doi: 10.1001/archsurg.2009.59.
23. Lattin GE Jr, Sturgill ED, Tujo CA, et al. From the radiologic pathology archives: Adrenal tumors and tumor-like conditions in the adult: radiologic-pathologic correlation. *Radiographics*. 2014;34:805-829. doi: 10.1148/rg.343130127.
24. Ng L, Libertino JM. Adrenocortical carcinoma: diagnosis, evaluation and treatment. *J Urol*. 2003;169:5-11.
25. Blake MA, Boland GW. (2009). *Adrenal Imaging*. Humana Pr Inc. ISBN:193411586X.
26. Egbert N, Elsayes KM, Azar S, et al. Computed tomography of adrenocortical carcinoma containing macroscopic fat. *Cancer Imaging*. 2010;10:198-200. doi: 10.1102/1470-7330.2010.0029.
27. Johnson PT, Horton KM, Fishman EK. Adrenal mass imaging with multidetector CT: pathologic conditions, pearls, and pitfalls. *Radiographics*. 2009;29:1333-1351. doi: 10.1148/rg.295095027.

28. d'Amuri FV, Maestroni U, Pagnini F, et al. Magnetic resonance imaging of adrenal gland: state of the art. *Gland Surg.* 2019;8:223-232. doi: 10.21037/g.s.2019.06.02.
29. Blake MA, Kalra MK, Maher MM, et al. Pheochromocytoma: an imaging chameleon. *Radiographics.* 2004;24:87-99.
30. Reiser MF. *Magnetic Resonance Tomography.* (2007). Springer Verlag. ISBN:354029354X.
31. Leung K, Stamm M, Raja A, et al. Pheochromocytoma: the range of appearances on ultrasound, CT, MRI, and functional imaging. *AJR.* 2013;200:370-378. doi: 10.2214/AJR.12.9126.
32. Munir S, Waseem M. (2018). Addison Disease. StatPearls. Treasure Island (FL): StatPearls Publishing LLC.
33. Swift CC, Eklund MJ, Kravaka JM, et al. Updates in Diagnosis, Management, and Treatment of Neuroblastoma. *Radiographics.* 2018;38:566-580. doi: 10.1148/rg.2018170132.
34. Hanafy AK, Mujtaba B, Roman-Colon AM, et al. Imaging features of adrenal gland masses in the pediatric population. *Abdom Radiol.* 2020;45:964-981. doi: 10.1007/s00261-019-02213-x.
35. Dumba M, Jawad N, McHugh K. Neuroblastoma and nephroblastoma: a radiological review. *Cancer Imaging.* 2015;15:5. doi: 10.1186/s40644-015-0040-6.
36. Chen AM, Trout AT, Towbin AJ. A review of neuroblastoma image-defined risk factors on magnetic resonance imaging. *Pediatr Radiol.* 2018;48:1337-1347. doi: 10.1007/s00247-018-4117-9.
37. Chung EM, Graeber AR, Conran RM. Renal Tumors of Childhood: Radiologic-Pathologic Correlation Part 1. The 1st Decade: From the Radiologic Pathology Archives. *Radiographics.* 2016;36:499-522. doi: 10.1148/rg.2016150230.
38. Lonergan GJ, Schwab CM, Suarez ES, et al. Neuroblastoma, ganglioneuroblastoma, and ganglioneuroma: radiologic-pathologic correlation. *Radiographics.* 2002;22:911-34.