BÖLÜM 7

TRAKEA VE HAVA YOLLARI HASTALIKLARI

Vefa ÇAKMAK[1]

[1] Doktor Öğretim Üyesi, Pamukkale Üniversitesi Tıp Fakültesi Radyoloji A.D., vefacakm1408@gmail.com.

Tedavi ve yaklaşım

Benign trakeal tümörlerde çoğu zaman bronkoskopik rezeksiyon yeterli olmaktadır. Malign primer trakeal tümörlerde öncelikle cerrahi planlanmaktadır. Tam rezeke edilemeyen tümörlerde postoperatif radyoterapi de yapılmaktadır. Rezeke edilemeyen tümörlerde palyatif olarak hava yolu açıklığını sağlamaya yönelik bronkoskopik girişimler yapılmaktadır.

KAYNAKLAR

1. Chroneou A, Zias N, Gonzalez AV, et al. Tracheobronchopathia Osteochondroplastica An underrecognized entity?*Monaldi Arch Chest Dis.* 2008;69(2):65-69. https://doi.org/10.4081/monaldi.2008.398
2. Wang N, Long F, Jiang S. Tracheobronchopathia osteochondroplastica:Two Cases Reports and Review of Literature. *Medicine (Baltimore).* 2016;95:3396. https://doi.org/10.1097/MD.0000000000003396.
3. Öztürk E, Çeven Z, Çakmak V, et al. Trakeobronkopatia Osteokondroplastika: Bilgisayarlı Tomografi ve Sanal Endoskopi Bulguları. *Pamukkale Tıp Dergisi* 2009;2:143-145.
4. Kanat F, Teke T, Ozer F. Tracheopathia osteoplastica associated with iron deficiency anemia. *Indian J Chest Dis Allied Sci*. 2005;47:47–51.
5. Silveira MGM, Castellano MVCO, Fuzi CE, et al. Tracheobronchopathia Osteochondroplastica. *J Bras Pneumol*. 2017;43:151-153. https://doi.org/10.1590/S1806-37562016000000143.
6. Willms H, Wiechmann V, Sack U, et al. Tracheobronchopathia osteochondroplastica A rare cause of chronic cough with haemoptysis. *Cough*. 2008;4:4. https://doi.org/10.1186/1745-9974-4-4
7. Jugpal TS, Garg A, Sethi GR, et al. Multi-detector computed tomography imaging of large airway pathology: A pictorial review. *World J Radiol.* 2015;7:459-474. https://doi.org/10.4329/wjr.v7.i12.459.
8. Shepard JO, Flores EJ, Abbott GF. Imaging of the trachea. *Ann Cardiothorac Surg.* 2018;7:197-209. https://doi.org/10.21037/acs.2018.03.09.
9. Taha MS, Mostafa BE, Fahmy M, et al. Spiral CT virtual bronchoscopy with multiplanar reformatting in the evaluation of post-intubation tracheal stenosis: comparison between endoscopic, radiological and surgical findings. *Eur Arch Otorhinolaryngol.* 2009;266:863-866. https://doi.org/10.1007/s00405-008-0854-y.
10. Karabulut B, Orhan KS, Ulusan M, et al. Foreign body aspiration: an urgent airway condition. *Kulak Burun Bogaz Ihtis Derg*. 2014;24:283-286. https://doi.org/10.5606/kbbihtisas.2014.81542
11. Mnejja M, Chakroun A, Bougacha L, et al. Bronchoscopy for foreign body inhalation in the pediatric population: lessons learned from 223 cases. *Arch Pediatr.* 2012;19:670-674. https://doi.org/10.1016/j.arcped.2012.02.002
12. Skoulakis CE, Doxas PG, Papadakis CE, et al. Bronchoscopy for foreign body removal in children. A review and analysis of 210 cases. *Int J Pediatr Otorhinolaryngol*. 2000;53:143-148. https://doi.org/10.1016/s0165-5876(00)00324-4
13. Buterbaugh JE, Erly WK. Paratracheal air cysts: A common finding on routine CT examinations of the cervical spine and neck that may mimic pneumomediastinum in patients with traumatic injuries. *Am J Neuroradiol.* 2008;29:1218-1221. https://doi.org/10.3174/ajnr.A1058.
14. Boyaci N, Sen Dokumaci D, Karakas E, et al. Paratracheal air cysts: Prevalence and relevance to pulmonary emphysema and bronchiectasis using thoracic multidetector CT. *Diagn Interv Radiol.* 2015;21:42-46. https://doi.org/10.5152/dir.2014.14152.
15. Goo JM, Im JG, Ahn JM, et al. Right paratracheal air cysts in the thoracic inlet: Clinical and radiologic significance. *Am J Roentgenol.* 1999;173:65-70. https://doi.org/10.2214/ajr.173.1.10397101
16. Kim JS, Kim AY, Yoon Y. Paratracheal air cysts using low-dose screening chest computed tomography: Clinical significance and imaging findings. *Jpn J Radiol.* 2011;29:644-648. https://doi.org/10.1007/s11604-011-0608-4
17. Polat AV, Elmali M, Aydin R, et al. Paratracheal air cysts: Prevalence and correlation with lung diseases using multidetector CT. *J Med Imaging Radiat Oncol.* 2014;58:144-148. https://doi.org/10.1111/1754-9485.12095
18. Gayer G, Sarouk I, Kanaany N, et al. Tracheal diverticula in cystic fibrosis-A potentially important under reported finding on chest CT. *J Cyst Fibros.* 2016;15:503-509. https://doi.org/10.1016/j.jcf.2015.12.007

19. Bae HJ, Kang EY, Yong HS, et al. Paratracheal air cysts on thoracic multidetector CT: Incidence, morphological characteristics and relevance to pulmonary emphysema. *Br J Radiol.* 2013;86:2012-2018. https://doi.org/10.1259/bjr.20120218
20. Cheng HM, Chang PY, Chiang KH, et al. Prevalence and characteristics of paratracheal air cysts and their association with emphysema in a general population. *Eur J Radiol.* 2012;81:2673-2677. https://doi.org/10.1016/j.ejrad.2011.10.013
21. Tanaka H, Mori Y, Kurokawa K, et al. Paratracheal air cysts communicating with the trachea: CT findings. *J Thorac Imaging.* 1997;12:38-40. https://doi.org/10.1097/00005382-199701000-00005
22. Soto-Hurtado EJ, Peñuela-Ruíz L, Rivera-Sánchez I, et al. Tracheal diverticulum: A review of the literature. *Lung*. 2006;184:303-307. https://doi.org/10.1007/s00408-006-0010-7
23. Chaudhry I, Mutairi H, Hassan E, et al. Tracheal diverticulum: A rare cause of hoarseness of the voice. *Ann Thorac Surg.* 2014;97:29-31. https://doi.org/10.1016/j.athoracsur.2013.09.069
24. Early EK, Bothwell MR. Congenital tracheal diverticulum. *Otolaryngol Head Neck Surg.* 2002;127:119-121. https://doi.org/10.1067/mhn.2002.126478
25. Collin JD, Batchelor T, Hughes CW. Transcervical repair of tracheal diverticulum. *AnnThorac Surg.* 2014;98:1490-1492. https://doi.org/10.1016/j.athoracsur.2014.02.081
26. Grenier PA, Beigelman-Aubry C, Brillet PY. Nonneoplastic tracheal and bronchial stenoses. *Radiol Clin North Am*. 2009;47:243-260. https://doi.org/10.1016/j.rcl.2008.11.011
27. Trigaux JP, Hermes G, Dubois P, et al. CT of saber-sheath trachea. Correlation with clinical, chest radiographic and functional findings. *Acta Radiol.* 1994;35:247-250. https://doi.org/10.1177/028418519403500310
28. Ertan E, Geniş N, Kocabağ I, et al. Mounier-Kuhn syndrome: A rare cause of recurrent respiratory tract infections *Respir Case Rep.* 2014;3:130-133. https://doi.org/10.5505/respircase.2014.46220
29. Shin MS, Jackson RM, Ho KJ. Tracheobronchomegaly (Mounier-Kuhn syndrome): CT diagnosis. *AJR Am J Roentgenol.* 1988;150:777-779. https://doi.org/10.2214/ajr.150.4.777
30. Jain P, Dave M, Singh DP, et al. Mounier-Kuhn syndrome. *Indian J Chest Dis Allied Sci.* 2002;44:195-198.
31. Odell DD, Shah A, Gangadharan SP, et al. Airway stenting and tracheobronchoplasty improve respiratory symptoms in Mounier-Kuhn syndrome. *Chest.* 2011;140:867-873. https://doi.org/10.1378/chest.10-2010
32. Stevic R, Milenkovic B. Tracheobronchial tumors. *J Thorac Dis.* 2016;8:3401-3413. https://doi.org/10.21037/ jtd.2016.11.24
33. Park CM, Goo JM, Lee HJ, et al. Tumors in the tracheobronchial tree: CT and FDG PET features. *Radiographics.* 2009;29:55-71. https://doi.org/10.1148/rg.291085126
34. Jeong SY, Lee KS, Han J et al. Integrated PET/CT of salivary gland type carcinoma of the lung in 12 patients. *AJR Am J Roentgenol*. 2007;189:1407-1413. https://doi.org/10.2214/AJR.07.2652
35. Gustafsson BI, Kidd M, Chan A, et al. Bronchopulmonary neuroendocrine tumors. *Cancer.* 2008;113:5-21. https://doi.org/10.1002/cncr.23542
36. Chang CH, Wang HC, Wu MT, et al. Virtual bronchoscopy for diagnosis of recurrent respiratory papillomatosis. *J Formos Med Assoc*. 2006;105:508-511. https://doi.org/10.1016/S0929-6646(09)60192-3