

BÖLÜM

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HAVA ARALIKLARI VE BRONŞ HASTALIKLARI BÖLÜM I

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Vaka 1: İntralobar Pulmoner Sekestrasyon

Vaka 2: Radyasyon Pnömonisi

Vaka 3: Geçirilmiş infeksiyon (TBC)

Vaka 4: Pnömosistis Jiroveci Pnömonisi (PJP)

Vaka 5: Pulmoner lösemik infiltrasyon (KLL)

Vaka 6: Akciğer Adenokarsinom Metastazı

Vaka 7: Lenfanjitis Karsinomatoza, Küçük Hücreli Dışı Adenokarsinom

Vaka 8: COVID-19 (SARS-CoV-2) Pnömonisi

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Tuzaklar

Asemptomatik infeksiyonu (SARS-CoV-2 testi pozitif, ancak klinik veya BT bulguları olmayan olgular) ve akut üst solunum yolu viral enfeksiyonu olan olgularda çoğunlukla COVID-19 hastalığının kliniği ciddi değildir (32).

Tedavi ve yaklaşım

Tedavi temel olarak destekleyici ve semptomatik yaklaşımları içermektedir. İlk adım, diğer bireyler, vakalar ve sağlık çalışanları için enfeksiyon yayılımını durdurmak amacıyla yeterli izolasyon ve karantina olmalıdır. Kuşkulu olgular tek başına izole edilmeli, konfirme edilmiş olgular aynı yerde toplanabilir, ciddi olgular yoğun bakım desteği almalıdır. Genel strateji olarak, yatak istirahati ve palyatif tedavi, yeterli kalori ve su tüketimi, su elektrolit dengesi ve hemostazın sağlanması, vital bulgular ve oksijen saturasyonun kontrolü ve gerektiğinde oksijenin desteğinin verilmesini kapsamaktadır (23,33). Semptomatik tedavide antipiretik, antiviral ilaçlar, hidroksi klorokin, immünoterapiler kullanılabilir (32).

KAYNAKLAR

1. Pikwer A, Gyllstedt E, Lillo-Gil R, et al. Pulmonary sequestration- a review of 8 cases treated with lobectomy. *Scand J Surg.* 2006;95(3):190-194. doi:10.1177/145749690609500312.
2. Hertzberg C, Daon E, Kramer J. Intralobar pulmonary sequestration in adults: three case reports. *J Thorac Dis.* 2012;4(5):516-519. doi:10.3978/j.issn.2072-1439.2012.06.07.
3. Choi YW, Munden RF, Erasmus JJ, et al. Effects of radiation therapy on the lung: radiologic appearances and differential diagnosis. *Radiographics.* 2004;24(4):985-997. doi: 10.1148/rg.244035160.
4. Benveniste MF, Gomez, D, Carter BW, et al. Recognizing Radiation Therapy-related Complications in the Chest. *RadioGraphics.* 2019;39(2):344-366. doi: 10.1148/rg.2019180061.
5. Tsoutsou PG, Koukourakis MI. Radiation pneumonitis and fibrosis: mechanisms underlying its pathogenesis and implications for future research. *Int J Radiat Oncol Biol Phys.* 2006;66(5):1281-1293. doi: 10.1016/j.ijrobp.2006.08.058.
6. Rodrigues G, Lock M, D'Souza D, et al. Prediction of radiation pneumonitis by dose-volume histogram parameters in lung cancer - A systematic review. *Radiother. Oncol.* 2004;71(2):127-138. doi: 10.1016/j.radonc.2004.02.015.
7. Palma DA, Senan S, Tsujino K, et al. Predicting Radiation Pneumonitis after Chemoradiotherapy for Lung Cancer: An International Individual Patient Data Meta- analysis. *Int. J. Radiat. Oncol.* 2013;85:444-450. doi: 10.1016/j.ijrobp.2012.04.043.
8. Hassaballa HA, Cohen ES, Khan AJ, et al. Positron emission tomography demonstrates radiation-induced changes to nonirradiated lungs in lung cancer patients treated with radiation and chemotherapy. *Chest.* 2005;128(3):1448-1452. doi: 10.1378/chest.128.3.1448.
9. Khan AN, Al-Jahdali HH, Allen CM, et al. The calcified lung nodule: What does it mean?. *Ann Thorac Med.* 2010;5(2):67-79. Doi: 10.4103/1817-1737.62469.
10. Marchiori E, Souza AS Jr, Franquet T, et al. Diffuse high-attenuation pulmonary abnormalities: a pattern-oriented diagnostic approach on high-resolution CT. *AJR Am J Roentgenol.* 2005;184(1):273-282. doi: 10.2214/ajr.184.1.01840273.
11. Hidalgo A, Falco V, Mauleon S, et al. Accuracy of high-resolution CT in distinguishing between Pneumocystis carinii pneumonia and non-Pneumocystis carinii pneumonia in AIDS patients. *Eur Radiol.* 2003;13(5):1179-1184. doi: 10.1007/s00330-002-1641-6.
12. Dako F, Kako B, Nirag J, et al. High-resolution CT, histopathologic, and clinical features of granulomatous pneumocystis jiroveci pneumonia. *Radiology Case Reports.* 2019; 14(6): 746-749. doi: 10.1016/j.radcr.2019.03.016.

13. Kanne JP, Yandow DR, Meyer CA. Pneumocystis jiroveci Pneumonia: High-Resolution CT Findings in Patients With and Without HIV Infection. *AJR*. 2012;198(6):555-561. doi: 10.2214/AJR.11.7329.
14. Malipatil B, Ganesan P, Majhi U, et al. Leukemic infiltration of lung mimicking fungal pneumonia. *Indian J Hematol Blood Transfus*. 2014;30(1): 68-69. doi:10.1007/s12288-012-0182-7.
15. Shroff GS, Truong MT, Carter BW, et al. Leukemic Involvement in the Thorax. *Radiographics*. 2019;39(1):44-61. doi: 10.1148/rg.2019180069.
16. Terhalle E, Günther G. 'Tree-in-Bud': Thinking beyond Infectious Causes. *Respiration*. 2015;89(2):162-165. doi: 10.1159/000370050.
17. Schueller G, Herold CJ. Lung metastases. *Cancer Imaging*. 2003;3(2):126-128. doi: 10.1102/1470-7330.2003.0010
18. Seo JB1, Im JG, Goo JM, et al. Atypical pulmonary metastases: spectrum of radiologic findings. *Radiographics*. 2001;21(2):403-417. doi: 10.1148/radiographics.21.2.g01mr17403.
19. Cheung FP, Alam NZ, Wright GM. The Past, Present and Future of Pulmonary Metastasectomy: A Review Article. *Ann Thorac Cardiovasc Surg*. 2019;25(3): 129-141. doi: 10.5761/atcs.ra.18-00229.
20. Raja A, Seshadri RA, Sundersingh S. Lymphangitis carcinomatosa: report of a case and review of literature. *Indian J Surg Oncol*. 2010;1(3):274-276. doi:10.1007/s13193-011-0047-9.
21. Marcos MA, Esperatti M, Torres A. Viral pneumonia. *Curr Opin Infect Di*. 2009;22(2):143-147. doi: 10.1097/QCO.0b013e328328cf65.
22. Kurtaran B. MeRS-Co virüs ve diğer ciddi seyirli viral pnömoniler. *ANKEM Derg*. 2014;28(Ek 2):134-140
23. Shen K, Yang Y, Wang T, et al. Diagnosis, treatment, and prevention of 2019 novel coronavirus infection in children: experts' consensus statement. *World J Pediatr*. 2020;16(3):223-231. doi: 10.1007/s12519-020-00343-7
24. Wang D, Hu B, Hu C, et al. Clinical characteristics of 138 hospitalized patients with 2019 novel coronavirus-infected pneumonia in Wuhan, China. *JAMA*. 2020;323(11):1061-1069.
25. Li J, Ye GM, Chen LJ. Analysis of false-negative results for 2019 novel coronavirus nucleic acid test and related countermeasures. *Chin J Lab Med*. 2020;43. doi: 10.3760/cma.j.issn.1009-9158.2010.0006.
26. Bai HX, Hsieh B, Xiong Z, et al. Performance of radiologists in differentiating COVID-19 from viral pneumonia on chest CT. *Radiology*. 2020;10:200823. doi: 10.1148/radiol.2020200823.
27. Meng H, Xiong R, He R, et al. CT imaging and clinical course of asymptomatic cases with COVID-19 pneumonia at admission in Wuhan, China. *J Infect*. 2020;S0163-4453(20)30211-30215. doi:10.1016/j.jinf.2020.04.004
28. Shi H, Han X, Jiang N, et al. Radiological findings from 81 patients with COVID-19 pneumonia in Wuhan, China: a descriptive study. *Lancet Infect Dis*. 2020;20(4):425-434
29. Jin, Y, Cai L, Cheng Z, et al. A rapid advice guideline for the diagnosis and treatment of 2019 novel coronavirus (2019-nCoV) infected pneumonia (standard version). *Military Med Res*. 2020;7(1):4. <https://doi.org/10.1186/s40779-020-0233-6>
30. Li X, Zeng X, Liu B, et al. COVID-19 Infection Presenting with CT Halo Sign. *Radiology: Cardiothoracic Imaging*. 2020;2(1). <https://doi.org/10.1148/ryct.2020200026>
31. Farias LPG, Strabelli DG, Sawamura MVY. COVID-19 pneumonia and the reversed halo sign. *Jornal Brasileiro de Pneumologia*. 2020;46(2): e20200131. <https://dx.doi.org/10.36416/1806-3756/e20200131>
32. Ozdemir O. Coronavirus Disease 2019 (COVID-19): Diagnosis and Management (Narrative Review). *Erciyes Med J*. 2020;42(3). DOI: 10.14744/etd.2020.99836
33. Ahn DG, Shin HJ, Kim MH, et al. Current Status of Epidemiology, Diagnosis, Therapeutics, and Vaccines for Novel Coronavirus Disease 2019 (COVID-19). *J Microbiol Biotechnol*. 2020;30(3):313-324.