

# 7.

## Bölüm

# EKSÜDATİF PLEVRAL SIVI

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## OLGU

26 yaşında erkek hasta, sağ yan ağrısı şikayeti ile polikliniğe başvuruyor. Çekilen posteroanterior (PA) akciğer grafisinde sağda plevral efüzyon ile uyumlu görünüm mevcut (**Resim 1**).



**Resim 1:** Hastanın hastane başvurusu esnasında çekilen PA Akciğer grafisi

Hemogram, biyokimya değerleri normal, sedimantasyon: 68 mm/sa ve INR: 1 olarak saptandı. Hastanın torasentezinde; serofibrino niteliğinde mayı alındı. Mayının biyokimyasal incelemesinde; ARB negatif, Protein (Plevra Mayii): 55.4 g/L, Albümin (Plevra Mayii) 31.1 g/L, LDH: 446 IU/ iken, aynı gün alınan kan-

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## KAYNAKLAR

1. Heffner JE. Diagnostic evaluation of a pleural effusion in adults: Initial testing [Internet]. UpToDate. 2020. Available from: <https://www.uptodate.com/>
2. Sahn SA, Huggins JT, San Jose E, et al. The art of pleural fluid analysis. Clin Pulm Med 2013; 20:77.
3. Light RW, Macgregor MI, Luchsinger PC, Ball WC Jr. Pleural effusions: the diagnostic separation of transudates and exudates. Ann Intern Med 1972; 77:507.
4. Beaudoin S, Gonzalez A V Evaluation of the patient with pleural effusion CMAJ 2018 March 12;190:E291-5. doi: 10.1503/cmaj.170420
5. Jany B, Welte T: Pleural effusion in adults—etiology, diagnosis, and treatment. Dtsch Arztebl Int 2019; 116: 377–86.
6. Chakko SC, Caldwell SH, Sforza PP. Treatment of congestive heart failure. Its effect on pleural fluid chemistry. Chest 1989; 95:798.
7. Shinto RA, Light RW. Effects of diuresis on the characteristics of pleural fluid in patients with congestive heart failure. Am J Med 1990; 88:230.
8. Romero-Candeira S, Fernández C, Martín C, et al. Influence of diuretics on the concentration of proteins and other components of pleural transudates in patients with heart failure. Am J Med 2001; 110:681.
9. Roth BJ, O'Meara TF, Cragun WH. The serum-effusion albumin gradient in the evaluation of pleural effusions. Chest 1990; 98:546.
10. Porcel JM. Utilization of B-type natriuretic peptide and NT-proBNP in the diagnosis of pleural effusions due to heart failure. Curr Opin Pulm Med 2011; 17:215.
11. Winterbauer RH, Riggins RC, Griesman FA, Bauermeister DE. Pleuropulmonary manifestations of Waldenstrom's macroglobulinemia. Chest 1974; 66:368.
12. Garcia-Pachon E, Padilla-Navas I. Urinothorax: case report and review of the literature with emphasis on biochemical diagnosis. Respiration 2004; 71:533.
13. Staats BA, Ellefson RD, Budahn LL, et al. The lipoprotein profile of chylous and nonchylous pleural effusions. Mayo Clin Proc 1980; 55:700.
14. Sahn SA. Pathogenesis and clinical features of diseases associated with a low pleural fluid glucose. In: The Pleura in Health and Disease, Chretien J, Bignon J, Hirsch A (Eds), Marcel Dekker, New York 1985. p.267-285
15. Toubes ME, Lama A, Ferreiro L, et al. Urinothorax: a systematic review. J Thorac Dis 2017; 9:1209.
16. Bowling M, Lenz P, Chatterjee A, et al. Perception versus reality: the measuring of pleural fluid pH in the United States. Respiration 2012; 83:316.
17. Joseph J, Viney S, Beck P, et al. A prospective study of amylase-rich pleural effusions with special reference to amylase isoenzyme analysis. Chest 1992; 102:1455.
18. Sivakumar P, Marples L, Breen R, Ahmed L. The diagnostic utility of pleural fluid adenosine deaminase for tuberculosis in a low prevalence area. Int J Tuberc Lung Dis 2017; 21:697.
19. Han ZJ, Wu XD, Cheng JJ, et al. Diagnostic Accuracy of Natriuretic Peptides for Heart Failure in Patients with Pleural Effusion: A Systematic Review and Updated Meta-Analysis. PLoS One 2015; 10:e0134376.
20. Zou MX, Zhou RR, Wu WJ, et al. The use of pleural fluid procalcitonin and C-reactive protein in the diagnosis of parapneumonic pleural effusions: a systemic review and meta-analysis. Am J Emerg Med 2012; 30:1907.
21. Liang QL, Shi HZ, Qin XJ, et al. Diagnostic accuracy of tumour markers for malignant pleural effusion: a meta-analysis. Thorax 2008; 63:35.
22. Light RW. Pleural diseases, 3rd ed, Williams & Wilkins, Baltimore 1995.
23. Hurwitz S, Leiman G, Shapiro C. Mesothelial cells in pleural fluid: TB or not TB? S Afr Med J 1980; 57:937.