Pulmonary Tuberculosis Presenting as Acute Respiratory Failure and Unilateral Complete Lung Collapse: Two Case Reports With Review of Literature

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Abstract

Massive haemoptysis, which can result in abrupt respiratory failure, is a potentially fatal consequence of pulmonary tuberculosis. Radiologically, it can present as a complete collapse of one lung due to endobronchial clot formation. Here, the authors report two cases, one of whom was a female who was pregnant and near term, who presented with massive haemoptysis followed by severe respiratory distress. Fibre optic bronchoscopy was performed in both cases, and clots were retrieved. One of the patients required intubation and invasive mechanical ventilation. The procedure was technically difficult because of the acute hypoxaemia, necessitating a team of pulmonologists and anaesthetists. Bronchoalveolar lavage enabled the authors to clinch the diagnosis. Post-procedure, both patients showed rapid clinical and radiological improvement. In resource-limited settings where rigid bronchoscopy is not available, fibre optic bronchoscopy can be performed for clot retrieval, as it can be a life-saving procedure for the patient.

Key Points

 Massive haemoptysis with unilateral complete lung collapse and rapid respiratory failure are lifethreatening complications of pulmonary tuberculosis. In order to clear the airways, this necessitates immediate hospitalisation and blood clot extraction.



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Pathology of the Lungs E-Book Bryan Corrin, Andrew G. Nicholson, 2011-02-25 With an emphasis on practical diagnostic problem solving Pathology of the Lungs 3rd Edition provides the pulmonary pathologist and the general surgical pathologist with an accessible comprehensive guide to the recognition and interpretation of common and rare neoplastic and non neoplastic lung conditions. The text is written by two authors and covers all topics in a consistent manner without the redundancies or lapses that are common in multi authored texts. The text is lavishly illustrated with the highest quality illustrations which accurately depict the histologic immunohistochemical and cytologic findings under consideration and it is supplemented throughout with practical tips and advice from two internationally respected experts The user friendly design and format allows rapid access to essential information and the incorporation throughout of relevant clinical and radiographic information makes it a complete diagnostic resource inside the reporting room Approximately 1 000 high quality full color illustrations Provides the user with a complete visual guide to each specimen and assists in the recognition and diagnosis of any slide looked at under the microscope Comprehensive coverage of both common and rare lung diseases and disorders One stop consultation resource for the reporting room or study no need to go further to get questions answered Clinical background and ancillary radiographs incorporated throughout Provides the user with all of the necessary diagnostic tools to make a complete and accurate pathologic report Practical advice and tips from two of the world s recognized experts Provides the trainee and general surgical pathologist with time saving diagnostic clues when dealing with difficult specimens Consistent and uniform approach incorporated for each disease and disorder Etiology pathogenesis clinical features pathologic features differential diagnosis User friendly format enables quick and easy navigation to the key information required Extensive use of summary tables charts and graphs throughout the text Helps simplify and clarify complex concepts and facilitates at a glance comparisons between entities Extensive reference list highlights landmark articles as well as including most up to date citations Directs the trainee and practitioner to the most recent and authoritative sources for further reading and investigation The Possible Adverse Health Effects of Service in the Persian Gulf; and H.R. 5864, to Establish a Persian Gulf War Veterans Registry United States. Congress. House. Committee on Veterans' Affairs. Subcommittee on Hospitals and Health Care, 1993 The American Review of Respiratory Disease ,1992 Includes Abstracts section previously issued separately Tuberculosis E-Book H. Simon Schaaf, Alimuddin Zumla, 2009-03-24 This book provides all the vital information you need to know about tuberculosis especially in the face of drug resistant strains of the disease Coverage includes which patient populations face an elevated risk of infection as well as which therapies are appropriate and how to correctly monitor ongoing treatment so that patients are cured Properly administer screening tests interpret their results and identify manifestations of the disease with authoritative guidance from expert clinicians from around the world Discusses screening tests for tuberculosis so you can interpret their results and

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