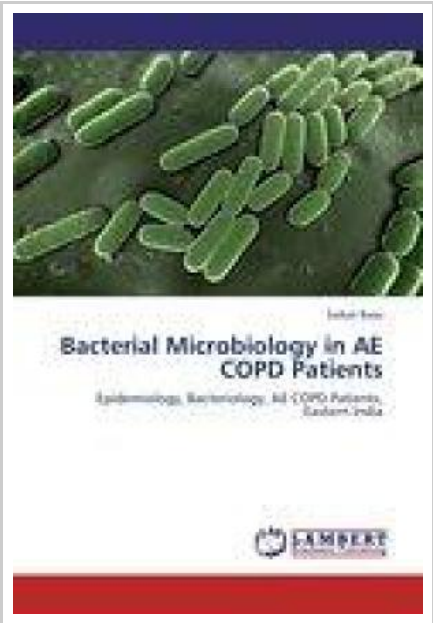

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Bacterial Microbiology in AE COPD Patients

By Saikat Basu

LAP Lambert Academic Publishing Feb 2013, 2013. Taschenbuch. Book Condition: Neu. 220x150x4 mm. This item is printed on demand - Print on Demand Neuware - The aim of our study is to analyze the hospital data on AECOPD in patients with special reference to the pathogens involved and their antibiotic susceptibility pattern of Kolkata, India. 50 patients were included in the study. The sputum specimen was collected using sterile sputum cups and subjected to Gram s stain, culture and biochemical reactions. Our study showed 21 positive sputum cultures and 76.20% were males and 23.80% were females. The prevalence of Gram negative bacteria was 71.42% and Gram positive bacteria were 28.58%. Klebsiells pneumoniae was the commonest bacteria isolated (33.33%) followed by P. aeruginosa (19.05%) and Staphylococcus aureus (14.30%). In a developing country like India AECOPD is more common in adults more than 55 years of age due to smoking habits and high indoor pollution. AECOPD cases are a major cause of hospital admission and health care utilization. Health education is a must to highlight the dangers caused by smoking and environmental pollution. To study the epidemiology & complications due to bacteria in AECOPD,sputum culture is a good and simple tool. There...

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