



Retrospective analysis of microorganisms isolated from cystic fibrosis patients in Southern Italy, 2002-2010.

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Résumé en anglais	<p>ObjectiveThis study aim was to determine the prevalence of microorganisms in the respiratory tract of patients with cystic fibrosis (CF) admitted to the CF Reference Centre in Southern Italy between 2002-2010. Methods Microbiology assessment of samples (sputum and tracheal aspirates) collected from patients with pulmonary exacerbation admitted to hospital was carried out. All patients were registered in a database and clinical and microbiological data were retrospectively analysed. Results Overall, 188 patients were included and a total of 1217 samples were analysed. The most common microorganisms were <i>Staphylococcus aureus</i> (78.7% of the patients) and <i>Pseudomonas aeruginosa</i> (58%), followed by <i>Candida albicans</i> (19.1%), <i>Haemophilus influenzae</i> (13.3%) and <i>Aspergillus fumigatus</i> (9.6%). Conclusion Compared to similar studies performed in other European countries, our microbiological data, especially the low occurrence of filamentous fungi, suggest a specific local epidemiology, probably related to some uncommon CFTR mutations, which are specific to Southern Italy.</p>
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