

Research Article

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Purulent pleurisy in children

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Introduction: The incidence of purulent pleurisy is on the rise in several series in the literature. It is a significant cause of morbidity in pediatrics. The main objective of our study is to analyze the epidemiological characteristics and the prognosis of purulent pleurisy of the child. Material and methods: We conducted an 11-year retrospective study (2008-2019), ...

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Neonatal pneumococcal meningitis

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Author(s): FZ Mouad*, Bennaoui F, N El Idrisi Slitin, N Soraa and FMR Maoulainine

Neonatal pneumococcal meningitis is rare, but serious due to its high mortality and severe psychomotor and neurosensory sequelae. We report six cases of pneumococcal meningitis collected at the neonatal and neonatal resuscitation department of the CHU Mohamed VI, from January 2014 to July 2020. The aim of our work is to study the peculiarities, clinical, bacteriolog ...

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Mechanism of multi-resistant bacterial pathogenesis: MDR genes are not so deadly unless plasmid-mediated toxin, virulence and regulatory genes are activated

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Author(s): Kousik Poria, Shampa Bhatta, Sanatan Das, Madhumita Dey, Chandan Halder, Sankalita Datta and Asit Kumar Chakraborty*

Mdr genes in association with many drug efflux and metal efflux genes are creating pathogenesis due to antibiotic void. However, most dangerous step occurred when R-plasmids and integrons (~2-9kb) were combined with F'-conjugative plasmid (62.5kb) creating large MDR conjugative plasmids that easily donated 6-15 mdr genes to gut microbiota as well as environmental bact ...

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Protein profiling as a tool for identifying environmental aerobic endospore-forming bacteria

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Aerobic Endospore-Forming Bacteria (AEFB) are taxonomically and physiologically diverse, comprising species of genus *Bacillus* and related genera of industrial and medical importance. For taxonomic purpose, we applied the matrix-assisted laser desorption/ionization mass spectrometry with time-of-flight to identify 64 environmental AEFB (SDF for Solo do Distrito Federal ...

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Review Article

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Strategies of phage contamination prevention in industry

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Author(s): Marcin Los*

Phages are potential cause of failure of bacteria-driven production processes. ...

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