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Research Article

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Organic and inorganic light-emitting diodes for photodynamic therapy of cutaneous leishmaniasis

Published On: August 29, 2023 | Pages: 025 - 030

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For effectively fighting worldwide infectious diseases such as cutaneous leishmaniasis, novel approaches are required. Photodynamic Therapy (PDT) is one such possibility. PDT involves applying a light-sensitive chemical (photosensitizer), which should be highly efficient, non-toxic, and work at longer light wavelengths. This photosensitizer needs to be activated by a ...

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Serial measurements of SIRS criteria to identify unique phenotypes of sepsis: A Microbiologic Approach

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Author(s): Harman S Gill*, Phuong H Nguyen, Jada M English, Kayla A Fay, Elisha Fleig Yin MPAS, Jaskirat Kaur Gill, Todd D Morrell

Introduction: The utility of serial scoring systems in identifying distinct sepsis phenotypes remains unknown. Methods: Eligible adults were classified into culture-positive (Cx+) and culture-negative (Cx-) groups alongside pre-defined culture subgroups. Average SIRS & SEP (novel scoring system) scores were calculated at t = 0 and hours 3,6,12 & 24 before and after t ...

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Review Article

The importance of the ecology of infectious diseases in the context of Chytridiomycosis and COVID-19

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Author(s): Koichi Goka*

Pathogenic microorganisms and viruses are components of ecosystems. They have constructed endemic interrelationships with specific host species throughout the history of coevolution. The spillover of pathogens from natural habitats into other areas causes encounters between the pathogens and new hosts that have never evolved immunity or resistance. The result is a rapi ...

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Case Report

Mycoplasma pneumoniae-induced rash and mucositis: A rare extrapulmonary manifestation of mycoplasma pneumoniae infection

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Author(s): Trilok Chand*, Rushikesh Naik and Maya Banshidhar

Mycoplasma pneumoniae (M. pneumoniae) is a common atypical pathogen in humans, causing community-acquired pneumonia. Isolated *Mycoplasma pneumoniae* cases are commonly seen in the community, but an extrapulmonary manifestation like severe mucositis without skin lesions is rarely seen. The Mycoplasma-Induced Rash and Mucositis (MIRM) or Mycoplasma Pneumoniae-Associated ...

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Subacute thyroiditis-an unusual endocrine cause of pyrexia of unknown origin: Case report with review of literature

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Author(s): Ananta Mishra*, Vinay Pandit, Jhasketan and Abhishek

We report a case of a 58-year-old male who presented with high grade fever of 45 days duration. He had presented with a dry cough and right ear pain. His initial clinical evaluation and diagnostic tests were unremarkable. During the hospital stay, he developed palpitation for which tests for thyroid functions were done which revealed subacute thyroiditis. He recovered ...

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