

TITLE: ACUTE RESPIRATORY DISTRESS SYNDROME CAUSED BY LIPOID PNEUMONIA IN A 44-YEAR OLD FEMALE WITH PERSISTENT FEVER: A CASE REPORT

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Abstract:
Case: This report is a case of a 44-year old female, who presented with persistent fever and acute onset of respiratory distress, initially managed as a case dengue fever and hospital acquired pneumonia. And was diagnosed with lipoid pneumonia revealed by autopsy. This case report illustrates the incidence, clinical manifestations, diagnostics and treatment of lipoid pneumonia.

Results: Chest radiograph results were opacities on right lower lung and post-mortem histopathology, noted lipid-laden macrophages on both lungs.

Conclusions: Lipoid pneumonia is uncommon and underdiagnosed since it may mimic other pulmonary diseases and requires high degree of suspicion for diagnosis. Identifying of risk factors such as occupations, supplement intake and habits are crucial in diagnosis. In the modern era, the rise of use of vape is noted as a risk factor for lipoid pneumonia Its clinical manifestations and radiologic findings are non-specific, and is confirmed through histopathology of a bronchoalveolar lavage. Its treatment is purely supportive after cessation of inciting agent, and the use of corticosteroids is anecdotal.

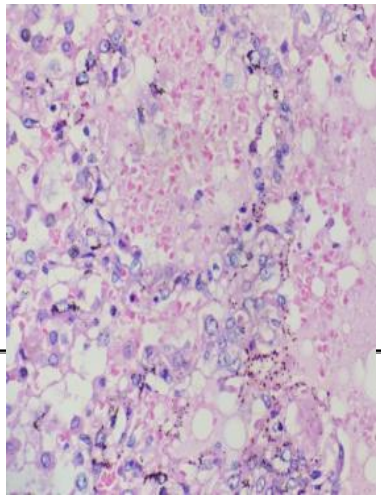
Keywords: Lipoid pneumonia, ARDS, aspiration

Figures

Figure 1: Patient's chest radiograph showing pulmonary congestion. Pneumonic opacities right lower lung



Figure 2. Microscopic finding of the lungs showing lipid laden macrophages, hemorrhage and edema.



Biograp

Imnas marie Carina G. Arquillo, is a 28-year old female, completed her Bachelor of Science in Nursing at Far Eastern University last 2011 and completed her Degree of Doctor of Medcine at San Beda Collage of Medicine, Mendiola Manila last 2017. Took the Physician Licensure Examination last 2018, and started residency training in Internal medicine at Quirino Memorial Medical Center, currently on her second year of training.

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