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Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 59817

Manuscript Type: CASE REPORT

Severe community-acquired pneumonia caused by *Leptospira Interrogans*: A case report and review of literature

a misdiagnosed pneumonia caused by *Leptospira*

Abstract

BACKGROUND

Leptospira is an uncommon pathogen for adult severe community-acquired pneumonia (CAP) and its non-specific manifestations and limited diagnostic tests make it difficult to identify. Although conventional penicillin remains efficacious to treat leptospirosis, failure in early diagnosis and treatment would lead to progression into deadly syndrome with multiple organ dysfunction. Next generation sequencing (NGS) is of great value to understand cases with infection of unknown cause, which could help in

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Oct 27, 2020 · Veno-venous extracorporeal membrane oxygenation successfully treated **a case** of **severe** pulmonary hemorrhage **caused** by leptospirosis. H J Wang Department of Intensive Care Unit, the Affiliated People's Hospital of Ningbo University, 251 East Baizhang Road, Ningbo City, 315010, Zhejiang Province, P.R. China.

Author: H. J. Wang, G. Z. Chen, C. J. Zhou, Y... **Publish Year:** 2020

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<https://bmcinfectdis.biomedcentral.com/articles/10.1186/s12879-020-4869-3> ▼

Feb 28, 2020 · Leptospirosis is a worldwide zoonosis **caused** by pathogenic ***Leptospira***. The global incidence of **severe** leptospirosis is estimated to be more than 1 million per year, with a fatality rate ranging around 10%. In the past, the disease was related to professionals of rural areas and the flooding season.

Author: J. García-Méndez, E. Cervera-Ceball... **Publish Year:** 2020

Leptospirosis manifested with severe ... - BMJ Case Reports

<https://casereports.bmj.com/content/13/1/e230075> ▼

Jan 01, 2020 · In the present report, we report a **case of severe leptospirosis** which manifested with DAH with **severe hypoxaemia refractory** to conventional respiratory support. His **life-threatening condition** was successfully supported by **using VV-ECMO**. His condition markedly

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Are Pathogenic *Leptospira* Species Agents of Community-Acquired Pneumonia? Case Reports of Leptospirosis Presenting as Pneumonia M. Hussein Gasem,a,b Helmia Farida,c Ahmed Ahmed,d Julit,te A. Severin,e Agus Suryanto,a Bambang Isbandrio,b,c Henri A. Verbrugh,e Rudy A. Hartskeerl,d Peterhans J. van den Broekf

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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4702746>

Abstract. We report four Indonesian cases meeting the clinical and radiological criteria for **community-acquired pneumonia** and other findings suggestive of **leptospirosis**. Quantitative PCR (qPCR) analyses of serum and urine samples and serology confirmed the diagnosis of **leptospirosis** in each. Results of qPCR analysis of throat swabs were concordant with those obtained with acute-phase serum samples, ...

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Lethal pulmonary hemorrhage syndrome due to *Leptospira* ...

<https://www.sciencedirect.com/science/article/pii/S2214250917300604>

Jan 01, 2017 · Human infection with ***Leptospira interrogans*** can be life-threatening. Multiple organ involvement frequently presents with liver and kidney failure, less commonly including **severe** hemolysis and pulmonary hemorrhage syndrome. Here, we present a fulminant case of leptospirosis presenting with hemolysis and **pulmonary** hemorrhage.

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Author: Bernd Ludwig, Viviane Zotzmann, Christop...

Publish Year: 2017

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TEXT. Pulmonary involvement in leptospirosis varies from atypical symptoms to severe pulmonary hemorrhage. However, pneumonia is not commonly associated with leptospirosis (). We report four cases of laboratory-confirmed leptospirosis clinically presenting with community-acquired pneumonia (CAP) during a CAP study involving 148 subjects in Semarang, Indonesia, from October 2007 to April ...

Cited by: 4 Author: M.Hussein Gasem, Helmia Farida, Ahme...

Publish Year: 2016

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Immediate respiratory isolation should be initiated to prevent the spread of disease.1) Severe adenovirus pneumonia in immunocompetent adults: a case report and review of the literature. Hakim FA ...

[Recreational 'mud fever': *Leptospira interrogans* induced ...](https://www.sciencedirect.com/science/article/pii/S2214250919300563)

<https://www.sciencedirect.com/science/article/pii/S2214250919300563>

Jan 01, 2019 · Written informed consent was obtained from the patient for publication of this case report and accompanying images. A copy of the written consent is available for review by the Editor-in-Chief of this journal on request. This case was presented as a poster at the Society of Critical Care Medicine Annual Congress. Honolulu, HI. January 2017.

Cited by: 2 Author: Sarah A Schmalzle, Ali Tabatabai, Micha...

Publish Year: 2019

[Leptospirosis in an asplenic patient -case report | BMC ...](https://bmcinfectdis.biomedcentral.com/articles/10.1186/s12879-020-4869-3)

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Feb 28, 2020 · Leptospirosis is a worldwide zoonosis caused by pathogenic *Leptospira*. The global incidence of severe leptospirosis is estimated to be more than 1 million per year, with a fatality rate ranging around 10%. In the past, the disease was related ...

Author: J. García-Méndez, E. Cervera-Ceballo... Publish Year: 2020

[Lethal pulmonary hemorrhage syndrome due to *Leptospira* ...](https://europepmc.org/articles/PMC5423347)

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Introduction. Leptospirosis is a zoonotic infectious disease with *Leptospira interrogans* bacteria. Transmission is typically caused by contact with urine of infected animals, mostly rodents, . While human infections with *Leptospira interrogans* are frequently mild presenting with influenza-like symptoms, 10% of patients present with sepsis including liver and kidney failure.

Cited by: 5 Author: Bernd Ludwig, Viviane Zotzmann, Christo

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