Name of Journal: *World Journal of Clinical Cases*
Manuscript NO: 59883
Manuscript Type: CASE REPORT

Chronic myelomonocytic leukemia-associated pulmonary alveolar proteinosis: A case report and review of literature

Can Chen, Xi-Lian Huang, Da-Quan Gao, Yi-Wei Li, Shen-Xian Qian

Abstract

BACKGROUND

Pulmonary alveolar proteinosis (PAP) is a rare condition that can cause progressive symptoms including dyspnea, cough, and respiratory insufficiency. Secondary PAP (sPAP) is generally associated with hematological malignancies including chronic myelomonocytic leukemia

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Jan 08, 2019 · **Pulmonary Alveolar Proteinosis**. **Pulmonary alveolar proteinosis** (PAP) is a rare condition characterized by the intra-**alveolar** deposition of periodic acid-Schiff (PAS)–positive lipoproteinaceous material secondary to an inability of macrophages to clear degradation products of surfactant (51,52). PAP may be congenital, primary or autoimmune, or ...

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Aug 01, 2017 · **Pulmonary alveolar proteinosis** is a broad group of rare diseases that are defined by the occupation of a lung's gas-exchange area by **pulmonary** surfactants that are not properly removed. The clinical and radiologic phenotypes among them are very similar. The age of manifestation plays a central role in the differential diagnosis of the almost 100 conditions and provides an efficient path to ...

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Mutations in GATA2 are associated with the autosomal ...

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Sep 08, 2011 · There is overlap in infections between this syndrome and IFN-γ/IL-12 defects, but those lesions are not **associated** with **pulmonary alveolar proteinosis** or MDS. 16,17. These studies indicate that the MonoMAC syndrome is the result of mutations in GATA2. This novel genetic immunodeficiency has been recognized later in life than the vast majority ...

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Secondary **pulmonary alveolar proteinosis** in hematologic malignancies Chakra P Chaulagain a,*, ... In this article we **review** and analyze the limited **literature** available in secondary PAP due to hematologic malignancies and present **a case** of PAP **associated** with **chronic** lymphocytic **leukemia** successfully treated with bendamustine and rituximab.

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Aug 01, 2017 · **Pulmonary alveolar proteinosis** (PAP) is defined by the accumulation of **pulmonary** surfactants in the **alveolar** space . Mechanistically, these disturbances of surfactant homeostasis may be caused by an altered surfactant production, removal, or both. 1 PAP is a heterogeneous group of disorders that is caused by different conditions 2 .

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of **chronic** lymphocytic **leukemia** (CLL) **and review** the limited **literature** available in patients with HPAP. Table 1. Reported secondary PAP in association with hematological disorders/malignancies. Myeloid disorders Myelodysplastic syndrome (MDS): most common **Chronic** myeloid **leukemia** (CML): second most common Overlap myeloproliferative neoplasm (MPN/MDS) **Chronic myelomonocytic leukemia** (**CMML**)

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Pulmonary alveolar proteinosis (**PAP**) is a rare disorder characterized by the accumulation of **surfactant lipids and protein in the alveolar spaces**, with resultant impairment in gas exchange.

Unsuspected Pulmonary Alveolar Proteinosis Complicating ...

https://www.sciencedirect.com/science/article/pii/S0012369216610887

Mar 01, 1976 · Since that time, more than 100 cases of **pulmonary alveolar proteinosis** and several reviews 2, 3, 4, 5, 6 have appeared in the literature. Although **pulmonary alveolar proteinosis** is a disease which is confined to the lung, a few cases have been **reported** where **pulmonary alveolar proteinosis** was found in association with hematologic malignant diseases. 7, 8, 9, 10 We have had the opportunity to ...

Cited by: 17 **Author:** S. Lakshminarayan, Marvin I. Schwarz, Ray ...
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review Secondary **pulmonary alveolar proteinosis** in hematologic malignancies Chakra P Chaulagain a,*, Monika Pilichowska b, Laurence Brinckerhoff c, Maher Tabba d, John K Erban e a Taussig Cancer Institute of Cleveland Clinic, Department of Hematology/Oncology, Cleveland Clinic in Weston, FL, USA, b

Pulmonary alveolar proteinosis

Pulmonary alveolar proteinosis is a rare lung disorder characterized by an abnormal accumulation of surfactant-derived lipoprotein compounds within the alveoli of the lung. The accumulated substances interfere with the normal gas exchange and expansion of the lungs, ultimately leading to difficulty breathing and a predisposition to developing lung infections. The causes of PAP may be grouped into primary, secondary, and congenital causes, although the most common cause is a primary autoimmune condition in an individual.

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