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Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 60377

Manuscript Type: CASE REPORT

Granulomatosis with polyangiitis presenting as high fever with diffuse alveolar hemorrhage and otitis media: A case report

Li XJ *et al.* Diffuse alveolar hemorrhage and otitis media

Xiao-Jie Li, Liu Yang, Xiao-Feng Yan, Chu-Ting Zhan, Jiang-Hua Liu

Abstract

BACKGROUND

Granulomatosis with polyangiitis is a necrotizing inflammation of small and medium-sized vessels accompanied by formation of granuloma, involvement of primary granulomatous upper and lower respiratory tracts, glomerulonephritis, and vasculitis of small vessels.

CASE SUMMARY



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[Granulomatosis with polyangiitis | Genetic and Rare ...](#)

[https://rarediseases.info.nih.gov/diseases/7880/...](https://rarediseases.info.nih.gov/diseases/7880/) ▾

Jan 14, 2018 · **Granulomatosis with polyangiitis** (GPA) is a type of vasculitis or swelling (inflammation) of the blood vessels. The disease can cause swelling of the blood vessels anywhere in the body but mainly impacts the sinuses, nose, trachea (windpipe), lungs, and kidneys.

[Two cases of extrapulmonary onset granulomatosis with ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4246354>

Keywords: **Granulomatosis with polyangiitis**, Extrapulmonary findings, Diffuse alveolar haemorrhage, Acute respiratory failure Introduction **Granulomatosis with polyangiitis** (GPA), formerly known as Wegener's **granulomatosis**, is a form of vasculitis which belongs to the group of anti-neutrophil cytoplasmic antibody (ANCA)-associated vasculitides.

Cited by: 2

Author: Halide Kaya, Sureyya Yilmaz, Cengizhan...

Publish Year: 2014

[An unusual neurological manifestation of granulomatosis ...](#)

<https://onlinelibrary.wiley.com/doi/full/10.1002/ccr3.2765>

Granulomatosis with polyangiitis is a necrotizing granulomatous inflammatory disease affecting small- to medium-sized vessels. The disease usually manifests in the upper and lower airways as well as in the kidneys. 1 Common symptoms include fever, fatigue, weight loss, myalgias, purulent nasal discharge, epistaxis, nasal mucosal ulceration ...

Author: Nikhil N. Tarte, Ronald Ceruti, Vasude...

Publish Year: 2020

[Granulomatosis with Polyangiitis \(GPA\): Symptoms ...](#)

<https://www.symptoma.com/en/info/granulomatosis-with-polyangiitis> ▾

Granulomatosis with polyangiitis (GPA), formerly known as Wegener **granulomatosis**, is a form of granulomatous necrotizing vasculitis of small and medium-sized vessels. It can be restricted to the the respiratory tract, or may involve additional organs, primarily the kidneys, and it most commonly occurs in adults around 40 years of age, with slight male predilection.

[Granulomatosis with Polyangiitis \(GPA\) - EyeWiki](#)

[https://eyewiki.org/Granulomatosis_with_Polyangiitis_\(GPA\)](https://eyewiki.org/Granulomatosis_with_Polyangiitis_(GPA)) ▾



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Granulomatosis With Polyangiitis - Vasculitis Syndromes ...

<https://empendium.com/mcmtextbook/chapter/B31.II.16.9.3>.

Jul 03, 2019 · 2) **Otitis media**, sometimes leading to hearing loss. 3) Pulmonary manifestations (**present** in ~90% of patients but asymptomatic in one-third): Cough and hemoptysis (may be severe in patients **with diffuse alveolar hemorrhage**), dyspnea, pleural pain.

Granulomatosis with polyangiitis | Genetic and Rare ...

<https://rarediseases.info.nih.gov/diseases/7880/granulomatosis-with-polyangiitis> ▾

Jan 14, 2018 · **Granulomatosis with polyangiitis** (GPA) is a type of vasculitis or swelling (inflammation) of the blood vessels. The disease can cause swelling of the blood vessels anywhere in the body but mainly impacts the sinuses, nose, trachea (windpipe), lungs, and kidneys.

PEOPLE ALSO ASK

What is granulomatosis with polyangiitis? ▾

What organs does granulomatosis affect? ▾

Is polyangiitis an autoimmune disease? ▾

Wegener's Granulomatosis

Medical Condition

A rare autoimmune multisystem disease which causes inflammation of blood vessels.

Rare (Fewer than 200,000 cases per year in US)

Not known to be contagious

Requires lab test or imaging

Treatments can help manage condition, no known cure

Can be lifelong

An auto immune disorder, where body cells attack its own cells. Fever, night sweats, loss of appetite, fatigue, weight loss and system specific symptoms. Treatment involves in suppressing the immune system through medications.

Symptoms

Symptoms usually begin with respiratory infections and vary depending on the blood vessels of the organ affected. The common symptoms are:

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Granulomatosis with polyangiitis | Genetic and Rare ...

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89 rows · Jan 14, 2018 · Granulomatosis with polyangiitis (GPA) is a type of vasculitis or swelling (inflammation) of the blood vessels. The disease can cause swelling of the blood vessels anywhere in the body but mainly impacts the sinuses, nose, trachea (windpipe), lungs, and kidneys.

MEDICAL TERMS	OTHER NAMES	LEARN MORE: HPO ID
Abnormal oral cavity morphology	Abnormality of the oral cavity	0000163
Arthralgia	Joint pain	0002829
Autoimmunity	Autoimmune disease Autoimmune disorder ...	0002960
Cerebral ischemia	Disruption of blood oxygen supply to brain	0002637

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Granulomatosis with Polyangiitis (GPA) - Musculoskeletal ...

https://www.merckmanuals.com/en-ca/professional/...

Granulomatosis with polyangiitis should be suspected in patients with chronic, unexplained respiratory symptoms and signs (including otitis media in adults), particularly if manifestations in other organ systems, especially the kidneys, also suggest the disorder.

Granulomatosis with Polyangiitis (GPA, formerly Wegener ...

https://emedicine.medscape.com/article/332622-clinical

Ocular involvement occurs in many patients, including the following: 1. Conjunctivitis 2. Episcleritis 3. Uveitis 4. Optic nerve vasculitis 5. Retinal artery occlusion 6. Nasolacrimal duct occlusion 7. Proptosis

See more on emedicine.medscape.com

Granulomatosis with polyangiitis (Concept Id: C3495801)

https://www.ncbi.nlm.nih.gov/medgen/811223

Wegener's Granulomatosis

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Symptoms

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- Fever
- Night sweats
- Loss of appetite
- Fatigue
- Weight loss
- Eye : Uveitis, Conjunctivitis, Episcleritis, Renal artery occlusiom
- Ear, nose and throat : Rhinitis, Epitaxis, Otitis media, hearing loss
- Lungs : Cough (with blood), Dyspnea, chest discomfort
- Musculoskeletal : Myalgia, Arthritis, Athralgia
- Kidney : Renal disease, renal failure
- Nervous system : Mononeuritis, sensorimotor polyneuropathy, cranial nerve palsies
- Cutaneous : Ulcerations, palpable purpura, vesicles, digital necrosis

Treatments

Early diagnosis helps complete recovery, but long term medications will be