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Nephrogenic systemic fibrosis: A frivolous entity

Bhargava V *et al.* Nephrogenic systemic fibrosis

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Abstract

Gadolinium-based contrast agents (GBCAs) used in magnetic resonance imaging are vital in providing enhanced quality images, essential for the diagnosis and treatment. Nephrogenic systemic fibrosis (NSF) with GBCAs has been a deterrent for the physician and has led to avoidance of these agents in patients with impaired kidney function. NSF

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Nephrogenic Systemic Fibrosis : a frivolous entity



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<https://www.ncbi.nlm.nih.gov/pubmed/17053507>

PURPOSE OF REVIEW: Nephrogenic systemic fibrosis, also known as nephrogenic fibrosing dermopathy, was first documented in 1997 as a **scleroderma-like fibrosing entity of the** skin in association **with renal insufficiency**. Rheumatologists, along with other specialists, may be the first to encounter

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Nephrogenic Systemic Fibrosis : a frivolous entity



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Nephrogenic systemic fibrosis (NSF) is a progressive disorder which has been seen only in patients with chronic kidney disease. It is associated with fibrosis of the skin and connective tissue throughout the...

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Sep 23, 2007 - The nephrogenic systemic fibrosis - referred to in the literature earlier as nephrogenic fibrotizing dermopathy - is **a rare clinical entity that develops in patients with renal disease**. Its...

Author: István Pintér, Katalin Vágási, István W...

Publish Year: 2007

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Nephrogenic Systemic Fibrosis

Medical Condition

Characterized by fibrosis of the skin and internal organs.

Extremely rare (Fewer than 1,000 cases per year in US)

Requires lab test or imaging

Treatments can help manage condition, no known cure

Can last several years or be lifelong

The exact causal mechanism is not understood completely. It is attributed to exposure to gadolinium containing contrast agents used during magnetic resonance imaging. Symptoms include swelling, tightening, thickening and hardening of the skin, excess skin pigmentation, burning or itching of affected areas. NSF has no cure, treatment may include medications, hemodialysis, physical therapy or kidney transplant.

Symptoms

- Swelling and tightening of the skin
- Thickening and hardening of the skin
- Excess skin pigmentation
- Burning or itching of the affected areas
- Fibrotic nodules and plaques

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[Nephrogenic systemic fibrosis--new clinical entity].

<https://www.ncbi.nlm.nih.gov/pubmed/19203058>

[Nephrogenic systemic fibrosis--new clinical entity]. [Article in Serbian] Prvulović M. Nephrogenic systemic fibrosis (NSF) is a new clinical entity, which was first described in 2000. It is **associated with fibrosis of the skin and visceral organs in patients with impaired renal function.**

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Nephrogenic systemic fibrosis: an emerging entity

<https://pubmed.ncbi.nlm.nih.gov/18418727>

Nephrogenic systemic fibrosis (NSF) is a progressive disorder which has been seen only in patients with chronic kidney disease. It is associated with fibrosis of the skin and connective tissue throughout the body. The skin thickens and becomes hard, rigid, and coarse, which ...

Cited by: 16 Author: Sandip K. Saxena, Manjuri Sharma, Mital P...

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Nephrogenic Systemic Fibrosis: Background, Pathophysiology ...

<https://emedicine.medscape.com/article/1097889>

Overview Cause Research Diagnosis Pathophysiology

Nephrogenic systemic fibrosis (NSF), also known as nephrogenic fibrosing dermopathy (NFD), is a disease of fibrosis of the skin and internal organs reminiscent but distinct from **scleroderma or scleromyxedema**. It is caused by gadolinium exposure used in imaging in patients who have renal insufficiency.

See more on emedicine.medscape.com

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Gadolinium and nephrogenic systemic fibrosis: time to ...

<https://pubmed.ncbi.nlm.nih.gov/17943276>

Nephrogenic systemic fibrosis (NSF) is a relatively new entity, first described in 1997. Few cases have

Nephrogenic Systemic Fibrosis

Medical Condition

A rare fibrosing disorder seen in patients with advanced kidney disease



- Tightening of skin
- Thickening and hardening
- Excess pigmentation

A condition characterized by excessive scarring (fibrosis) of the skin and internal organs. A rare condition which usually occurs in persons with reduced kidney functions.

📅 Extremely rare (Fewer than 1,000 cases per year in US)

🧪 Requires lab test or imaging

💊 Treatments can help manage condition, no known cure

🕒 Can last several years or be lifelong

The exact cause is not known. It is attributed to exposure to gadolinium (a chemical substance) containing contrast agents used during magnetic resonance imaging. Symptoms include swelling, tightening, thickening and hardening of the skin, excess skin pigmentation, burning or itching of affected areas. NSF has no cure, treatment may include medications, hemodialysis, physical therapy or kidney transplant.

Symptoms

The symptoms include:

Swelling and tightening of the skin