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Name of Journal: *World Journal of Clinical Cases***Manuscript NO:** 55538**Manuscript Type:** CASE REPORT

Pelvic lipomatosis and renal transplantation: A case report

Jie Zhao, Ying-Xin Fu, Gang Feng, Chun-Bai Mo

Abstract

BACKGROUND

Pelvic lipomatosis is a rare disease of unknown etiology, characterized by the overgrowth of pelvic adipose tissue that causes compression of the urinary tract including the bladder and ureters, rectum and blood vessels. The patient may progressively develop obstructive uropathy which could subsequently lead to renal failure. At present, there is no report of renal transplantation due to uremia caused by pelvic lipomatosis. The ideal management of patients with

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Renal replacement lipomatosis associated with renal ...

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We **report a case** of extensive **renal replacement lipomatosis** demonstrated by ultrasound (US) and computed tomography (CT) in a 57-year-old woman with a history of two cadaveric **renal transplants**. One **transplant** was non-functional due to chronic rejection. The second **renal transplant** is functioning normally and the **renal replacement lipomatosis** ...

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Author: S. D. Chang, Fergus Coakley, R. B. Goldstein

Publish Year: 2005

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We **report a case** of extensive **renal replacement lipomatosis** demonstrated by ultrasound (US) and **computed tomography** (CT) in a 57-year-old woman with a history of two **cadaveric renal transplants**.

Renal Sinus Lipomatosis in Transplanted Kidneys: An ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3504196>

Introduction. The **normal renal sinus** contains a small quantity of fat that envelops the **pelvis** and the surrounding structures of the perinephric space and that may gradually increase with age and obesity. **Renal sinus lipomatosis** (RSL) represents a benign condition in which the **perirenal fat proliferates** to a variable degree around the **kidney**,...

Author: Luca Apicella, Gianfranco Vallone, Soss...

Publish Year: 2011

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It is usually symmetric and limited to the **pelvis** rarely to **retro peritoneum**. 8 **Pelvic lipomatosis and renal lipomatosis** are of different entity, but both can present with **renal failure** FINAL DIAGNOSIS. **Renal replacement lipomatosis** is a rare condition associated with chronic calculus disease, chronic pyelonephritis, **renal tuberculosis**.

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Author: Maria Aurora Posadas, Elizabeth Chua, ...

Publish Year: 2012

Pelvic Lipomatosis: A Rare Case with a Good Surgical Outcome

<https://www.urotoday.com/volume-5-2012/vol-5-issue...>

Pelvic lipomatosis is defined as a condition characterized by the diffuse proliferation of normal mature fatty tissue in the perirectal and perivesical region. We **report a case** of a 40-year-old, obese male who presented with marked **lower urinary tract symptoms**.

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Renal replacement lipomatosis

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3339776>

Renal replacement lipomatosis (RRL) is an extremely rare condition, which occurs secondary to atrophy or destruction of **renal parenchyma**, with proliferation of excessive **lipomatous tissue** in **renal sinus**, **renal hilum** and perirenal space. Clinical presentation, radiological features and pathological findings aid in confirming the diagnosis.

Pelvic lipomatosis - Kidney International

[https://www.kidney-international.org/article/S0085-2538\(16\)30199-5/fulltext](https://www.kidney-international.org/article/S0085-2538(16)30199-5/fulltext)

Pelvic lipomatosis is a rare disease of unknown etiology characterized by overgrowth of **pelvic** adipose tissue causing obstruction of the ureter, lower intestinal tract, and vasculature, leading to progressive obstructive uropathy. The vulnerable age group is between 25 and 60 years.



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Author: Luca Apicella, Gianfranco Vallone, So...**Publish Year:** 2011

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We **report a case** of extensive **renal replacement lipomatosis** demonstrated by ultrasound (US) and **computed tomography** (CT) in a 57-year-old woman with a history of two **cadaveric renal transplants**...

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Renal replacement **lipomatosis** is a benign pathological entity in which marked atrophy of the **renal** parenchyma is coupled with extensive fibrofatty proliferation in the **renal** sinus. In more than 70% of cases, parenchymal atrophy is secondary to calculus disease, resulting in hydronephrosis and chronic inflammation [1].

Cited by: 1**Author:** E. Fitzgerald, J. Melamed, S. S. Taneja, ...**Publish Year:** 2011

Renal replacement lipomatosis associated with renal ...

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significant **renal function impairment secondary** to **pelvic lipomatosis**. **Pelvic lipomatosis** represents a clinically-diagnosed unique cause of ureteral obstruction and subsequent **renal impairment**. We present a **case report** of newly **diagnosed pelvic lipomatosis**, ...

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<https://www.researchgate.net/publication/233850358...>

We **report** a relatively **rare case** of **renal replacement lipomatosis** presenting as a **renal mass**. **Computed tomography** revealed a predominantly low-density and roundish mass, with an **irregular renal**...

Renal replacement lipomatosis

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3339776>

Fatty proliferation in **kidney** represents a spectrum of disorders ranging from mild **lipomatosis** in the **renal** sinus with underlying normal parenchyma (**renal** sinus **lipomatosis**) to a severe variety with **lipomatosis** involving **renal** sinus, hilum and peri-nephric region with underlying atrophic parenchyma (**renal** replacement **lipomatosis**).

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Renal sinus **lipomatosis** (RSL) represents an abnormal proliferation of the adipose tissue surrounding the **renal pelvis** of uncertain origin, associated with aging, obesity, steroid excess, infections, and calculosis. It represents a rare complication in transplanted kidneys, and, despite the accurate and prolonged radiological followup of transplanted organs, only a few cases of RSL have been ...

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Abstract. **Renal sinus lipomatosis (RSL)** represents an abnormal proliferation of the adipose tissue surrounding the **renal pelvis** of uncertain origin, associated with aging, obesity, steroid excess, infections, and calculosis. It represents a rare complication in **transplanted kidneys**, and, despite the accurate and prolonged radiological followup of **transplanted organs**, only a few **cases** of RSL have been described in graft recipients, with no remarkable effects on **renal function**.

Author: Luca Apicella, Gianfranco Vallone, So... **Publish Year:** 2011

MRI appearance of massive renal replacement lipomatosis in ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3473852>

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Renal replacement lipomatosis

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Cited by: 3 **Author:** KR Prasad, H Satish Chandra, KR Vijay ...
Publish Year: 2012

(PDF) Case report: Renal replacement lipomatosis ...

<https://www.researchgate.net/publication/8057506...>

Lipomatosis

Lipomatosis is believed to be an autosomal dominant condition in which multiple lipomas are present on the body. Many discrete, encapsulated lipomas form on the trunk and extremities, with relatively few on the head and shoulders. In 1993, a genetic polymorphism within lipomas was localized to chromosome 12q15, where the HMGIC gene encodes the high-mobility-group protein isoform I-C. This is one of the most commonly found mutations in solitary lipomatous tumors but lipomas often have multiple mutations. Reciprocal translocations involving chromosomes 12q13 and 12q14 have also been observed within.



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