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Renal artery embolization in the treatment of urinary fistula after renal duplication:

A case report and review of literature

Tao Y *et al.* Renal artery embolization treating urinary fistula

Yang Tao, Jun Wen, Tan-Tan Xu, Wen-Jing Cui, Jian Xu

Abstract

BACKGROUND

Duplicate renal malformation is a congenital disease of the urinary system, with an incidence rate of 0.8%. Surgical treatment is suitable for symptomatic patients. Urinary fistula is one of the complications of heminephrectomy. The long-term urinary fistula have a great impact on patients' lives.

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<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1442-2042.2005.01169.x>

Sep 30, 2005 · Percutaneous embolization of persistent urinary fistula after partial nephrectomy using N-butyl-2-cyanoacrylate ... Treatment of a Urethral Duplication in a Dog Using Cyanoacrylate and Coil Embolization, Journal of ... Management of Severe Bleeding Following Partial Nephrectomy With Selective Renal Artery Embolization: A Case Report ...

Cited by: 23 Author: Güven Aslan, Süleyman Men, Aytaç Gülcü, ... Publish Year: 2005

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Frontiers | Superselective Renal Artery Embolization ...

<https://www.frontiersin.org/articles/10.3389/fsurg.2020.582261/full>

Nov 26, 2020 · Percutaneous renal artery embolization is a minimally invasive treatment with little effect on renal function . Especially after the application of coaxial catheter, subsegment vascular catheterization and more distal embolization are possible, and the catheter can enter into the target vessel more accurately, so as to avoid peripheral renal ...

Author: Xiangjun Dong, Yanqiao Ren, Ping Han, ... Publish Year: 2020

Percutaneous embolization of persistent urinary fistula ...

<https://www.researchgate.net/publication/7563226...>

A few single case reports and only one clinical series have been published so far about the use of N-butyl-2-cyanoacrylate in the treatment of urinary fistulas persisting after conventional ...

(PDF) Ruptured renal arteriovenous malformation ...

<https://www.researchgate.net/publication/259650354...>

Renal arteriovenous fistula (RAVF) is a comparatively rare malformation. Here, we report a case of ruptured RAVF that was successfully treated by catheter embolization.

Massive hemorrhage after percutaneous kidney biopsy caused ...

<https://bmcsurg.biomedcentral.com/articles/10.1186/s12893-020-00918-1>

Oct 29, 2020 · Accessory renal artery (ARA) is the most common site for anatomical variation of renal supply artery. Rare studies reported interventional embolization for the management of massive hemorrhage caused by ARA injury after percutaneous kidney biopsy (PKB). We describe a 35-year-old man who developed massive hemorrhage after PKB leading to shock.

Author: Dong Liang, Hui Zhang, Min Yang, Hong... Publish Year: 2020

Ruptured renal artery in microscopic polyangiitis: a case ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6181899>

Jun 27, 2018 · In this case report, we present a rare case of renal hemorrhage in a patient with MPA that was successfully managed by transcatheter arterial embolization of the active bleeding sites. The patient was treated with steroid therapy and MZR, and subsequently underwent maintenance hemodialysis treatment for end-stage renal disease.

The Role Of Transarterial Embolization In The Treatment Of ...

https://www.researchgate.net/publication/283753931_The_Role_Of_Transarterial...

Background. Renal arterial embolization (RAE) is one of the adjunctive methods in the treatment of renal tumors. Embolization is performed in patients prior to nephrectomy, in patients with ...

[PDF] Coding for Embolization Procedures [Read-Only]

<https://1y0ehy3x0vzn18xeawk01kf1-wpengine.netdna-ssl.com/...>

FINDINGS: He had angiography left renal artery demonstrates no evidence of renal artery stenosis. The left kidney is displaced superiorly the. There is evidence of a arteriovenous fistula within the inferior pole left kidney which corresponds to the site of recent biopsy.

Radiologic evaluation of patients with renal infections ...

<https://www.researchgate.net/publication/10673342...>

Transcatheter closure with embolization is a safe and effective treatment for renal AVF. We herein report an 87-year-old patient with heart failure due to renal AVF who was treated by ...

Umberto ROSSI | Galliera Hospital, Genoa | galliera ...

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Acute renal artery occlusion is a serious complication after this technique. We report a case of acute right renal artery occlusion, consequent to a previous chimney-and-periscope technique that ...

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Therapeutic embolization of the renal artery with ...

<https://pubs.rsna.org/doi/10.1148/radiology.138.1.7455094>

The Gianturco coil, with or without Gelfoam, is particularly popular and effective in occluding **renal** arteries to control bleeding, devascularize tumors, close arteriovenous fistulas, and infarct kidneys in end-stage **renal** disease. However, without special precautions, successful **embolization** can suddenly be transformed into catastrophe.

Cited by: 74

Author: M J Mazer, H A Baltaxe, G L Wolf

Publish Year: 1981

Amplatzer vascular plug in renal artery embolization: case ...

<https://ejrnm.springeropen.com/articles/10.1186/s43055-020-00279-y>

Aug 18, 2020 · **Renal artery embolization** is an interventional radiology procedure that over the years has proven to be safe and effective in the treatment of numerous pathologies both in election and in urgency: active post-traumatic or post-biopsy bleeding, kidney tumors, **arteriovenous fistula** ...

Author: Antonio Catelli, Giovanni Lojudice, Anto...

Publish Year: 2020

Superselective transcatheter renal artery embolization for ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4064954>

Ample evidence has demonstrated that selective **renal artery embolization** is the optimal option for the **treatment** of postoperative hemorrhage arising from severe **renal** trauma, arteriovenous (A-V) shunt, **renal** biopsy, lithotomy, and fistulation.^{10,11} Indications for arteriography of the affected kidney and superselective **renal artery** ...

Cited by: 6

Author: Dapang Rao, Haifeng Yu, Haibo Zhu, Kaiyu...

Publish Year: 2014

Arterial embolization of retained kidney remnant following ...

<https://www.sciencedirect.com/science/article/pii/S2210261215004630>

Jan 01, 2016 · Most **kidney injuries** with **urinoma formation** are **treated** successfully with supportive measures, however refractory cases require intervention. **Arterial embolization** has been used successfully in the **treatment** of traumatic pseudoaneurysms, **arteriovenous fistulas**, and some **renal** ...

Author: Natalie Pozzi, Sarah Koblick, Patricia Le...

Publish Year: 2016

Percutaneous embolization of persistent urinary fistula ...