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Name of Journal: World Journal of Hepatology

Manuscript NO: 54051

Manuscript Type: CASE REPORT

Diagnosis and management of hepatic artery in-stent restenosis after liver transplantation by optical coherence tomography: A case report

Galastri FL *et al.* OCT evaluating in-stent restenosis in a transplant hepatic artery

Francisco Leonardo Galastri, Guilherme Moratti Gilberto, Breno Boueri Affonso, Leonardo Guedes Moreira Valle, Priscila Mina Falsarella, Adriano Mendes Caixeta, Camila Antunes Lima, Marcela Juliano Silva, Lucas Lembrança Pinheiro, Conrado Dias Pacheco Annicchino Baptistella, Márcio Dias de Almeida, Rodrigo Gobbo Garcia, Nelson Wolosker, Felipe Nasser

Abstract

BACKGROUND

Percutaneous transluminal angioplasty and stenting represent an effective treatment for hepatic artery stenosis after liver transplantation. In the first year after stenting, approximately 22% of patients experience in-stent restenosis, increasing the risk of artery thrombosis and related complications, and 50% experience liver failure. Although angiography is an important tool for diagnosis and the planning of therapeutic interventions, it may raise doubts, especially in small-diameter arteries, and it provides

Diagnosis and management of hepatic artery in-stent restenosis



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Dec 24, 2016 · **Orthotopic liver transplantation** (OLT) is commonly complicated by **hepatic artery stenosis** (HAS). It can lead to **hepatic artery thrombosis**, with **subsequent liver failure** in 30% of the patients. Though traditionally this was **managed** with either surgical revascularization or retransplantation, use of DES has resulted in high technical success and provided for excellent ...

Cited by: 5**Author:** Aparna Dalal**Publish Year:** 2016

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https://www.researchgate.net/publication/8109845_Diagnosis_and_treatment_of_hepatic...**Diagnosis** and treatment of **hepatic artery** stenosis **after** orthotopic **liver transplantation**Article in **Transplantation** Proceedings 36(9):2771-3 · December 2004 ...

Diagnostic performance of multidetector computed ...

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Diagnostic performance of multidetector computed **tomography** in the detection of abdominal complications early and late **after liver transplantation**: a 10-year experience

Medscape | J Int Med Res - Publication Information

<https://reference.medscape.com/viewpublication/5222> ▼

Multidetector computed tomography in the **diagnosis of spontaneous isolated superior mesenteric artery dissection**: changes in diameter on nonenhanced scan and **stent treatment** follow-up. Effect of **maternal** weight gain according to the Institute of **Medicine** recommendations on **pregnancy** outcomes in a Chinese population.



Diagnosis and management of hepatic artery in-stent



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Background: **Hepatic artery** stenosis (HAS) is a serious complication of **liver transplantation** but data on the most effective endovascular **management** are lacking.

[Organ transplantation and drug eluting stents ...](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5175219)

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Dec 24, 2016 · In **stent restenosis** can be managed with BMS, brachytherapy, rotational atherectomy and cutting balloons, DEB and DES. A meta-analysis concludes that for treatment of any type of coronary in-**stent restenosis** (ISR), PCI with everolimus-eluting stents is optimal, because of the best angiographic and clinical outcomes.

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Publish Year: 2016

[Vascular Complications After Liver Transplantation in ...](https://www.researchgate.net/publication/7553138_Vascular_Complications_After_Liver...)

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Background: **Hepatic artery** stenosis (HAS) is a serious complication of **liver transplantation** but data on the most effective endovascular **management** are lacking.

[Endovascular treatment of hepatic artery thrombosis ...](https://www.researchgate.net/publication/40766311_Endovascular_treatment_of_h_epatic...)

https://www.researchgate.net/publication/40766311_Endovascular_treatment_of_h_epatic...

Hepatic artery thrombosis (HAT) is a major cause of morbidity and mortality **after** orthotopic **liver transplantation**, occurring in 5% of cases (Piardi et al, 2016).



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Background: **Hepatic artery** stenosis (HAS) is a serious complication of **liver transplantation** but data on the most effective endovascular **management** are lacking.

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Serial **optical coherence tomography** and angioscopic assessments of 10-year in-**stent restenosis** of Cypher sirolimus-eluting stent treated with drug-coated balloon angioplasty. April 02, 2019 [MEDLINE Abstract] Effects of a language education intervention on social participation among emerging adults with autism. April 02, 2019

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