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Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 62268

Manuscript Type: CASE REPORT

Coronary artery aneurysm combined with myocardial bridge: A case report

Coronary artery aneurysm and myocardial bridge

Abstract

BACKGROUND

Coronary artery aneurysm combined with myocardial bridge is a very rare clinical situation. The prognosis of this clinical situation is not yet clear.

CASE SUMMARY

A coronary artery aneurysm and myocardial bridge in the same segment of a 54-year-old female patient who underwent coronary angiography and intravascular ultrasound examination. Through conservative treatment, the patient was discharged.

Coronary artery aneurysm combined with myocardial bridge: A case



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<https://www.ncbi.nlm.nih.gov/pubmed/17043905>

An unusual combination of myocardial bridging and coronary artery aneurysm identified on 64-detector coronary angiography. **Meraj PM**(1), **Makaryus AN**, Boxt LM. Author information: (1)Division of **Cardiology, North Shore University Hospital, 300 Community Drive**, Manhasset, NY 11030, USA. Coronary artery aneurysm is an uncommon finding.

Cited by: 5

Author: Perwaiz M. Meraj, Amgad N. Makaryus, La...

Publish Year: 2007

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Oct 17, 2006 · **Coronary artery aneurysm** is an uncommon finding. It is defined as a dilated **coronary artery** which exceeds the diameter of the normal adjacent vessel by 1.5–2 times. Although theorized mechanisms include atherosclerotic **coronary artery** disease (CAD) and iatrogenic causes such as the use of percutaneous **coronary** interventions (PCI), the natural ...

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Oct 17, 2006 · We **report** this novel **case** and review the literature for recommendations on treatment and management of patients with **coronary aneurysms**. An unusual **combination** of **myocardial bridging** and **coronary artery aneurysm** identified on 64-detector **coronary angiography** | SpringerLink

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Publish Year: 2007

An unusual combination of myocardial bridging and coronary ...

<https://www.researchgate.net/publication/6751519...>

This **case report** describes the rare finding of **myocardial bridging** and a **coronary aneurysm** in the same **coronary artery segment** of a 57-year-old patient with obstructive hypertrophic cardiomyopathy.

Coronary aneurysm and stent fracture following stenting of ...

<https://onlinelibrary.wiley.com/doi/10.1002/ccd.25815>

Myocardial bridge is the most common congenital coronary anomaly. We represent an extremely rare case of **stent** fracture **combination** with **coronary aneurysm** following **stenting** of a **myocardial bridge**. This 60-years-old male patient underwent **coronary angiography** in the local hospital four years ago. **Coronary angiography** revealed a **myocardial bridge** in the distal left anterior descending coronary ...

Cited by: 5 **Author:** Hao Lu, Lei Ge, Junbo Ge

Publish Year: 2016

Mitral Stenosis, LV Aneurysm, Myocardial Bridge, and ...

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Myocardial bridge

Congenital Heart Defect

A myocardial bridge is a congenital heart defect in which one of the coronary arteries tunnels through the heart muscle itself. In normal patients, the coronary arteries rest on top of the heart muscle and feed blood down into smaller vessels which then take blood into the heart muscle itself. However, if a band of muscle forms around one of the coronary arteries during the fetal stage of development, then a myocardial bridge is formed - a "bridge" of heart muscle over the artery. Each time the heart squeezes to pump blood, the band of muscle exerts pressure and constricts the artery, reducing blood flow to the heart. This defect is present from birth. It is important to note that even a very thin ex. < 1 mm and/or short ex. 20 mm MB can cause significant symptoms. MBs can range from a few mm in length to 10 cm or more.

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