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A patient with multiple Swiss cheese aspect coronary lesions: **optical coherence tomography** to guide coronary angioplasty

S Silenzi, [L Mariani](#), P Grossi, A Aimi, L Di Vito... - Future ..., 2018 - Future Medicine

... of angiographic haziness of the RCA and for **guiding** an optimal ... H. A recurrent coronary honeycomb-like structure: insights from angioscopy and **optical coherence tomography** ... Recanalization of organized thrombi demonstrated by coronary **CT** angiography compared with ...

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Intracoronary **Optical Coherence Tomography**

[GJ Ughi](#), T Adriaenssens - ... Imaging and Computer-Assisted **Stenting**, 2017 - Elsevier

... A volumetric OCT dataset is acquired by pulling back the spinning **optical** core within a protective, **optically** transparent sheath ... 8.7E and F). Struts appear as boxes, with no retro **optic** shadow and gradually resorb over the ... In the OPINION (**optical** frequency domain imaging vs ...

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Postprandial hyperchylomicronemia and thin-cap fibroatheroma in nonculprit lesions: a multivessel **optical coherence tomography** study

O Kurihara, F Okajima, M Takano, K Kato... - ... , and vascular biology, 2018 - Am Heart Assoc

... 9,10 The intracoronary imaging system **optical coherence tomography** (OCT) enables a detailed characterization of ... OCT images were obtained using TERUMO **optical** frequency domain imaging system (LUNAWAVE ... L at a rate of 4 to 5 mL/s through the **guiding** catheter, and the ...

☆ Cited by 3 [Related articles](#) [All 5 versions](#)

Invasive coronary imaging: any role in primary and secondary **prevention**?

[C Di Mario](#), PR Moreno - European heart journal, 2016 - academic.oup.com

... We need techniques **guiding** us to the identification of **patients** and lesions at ... is frequently used for optimization of the angioplasty results and **optical coherence tomography** (OCT) and ... Coronary multi-slice computed **tomography** (MSCT) has the obvious advantage to detect ...

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Detection and treatment of vulnerable plaques and vulnerable **patients**: novel approaches to **prevention** of coronary events

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Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 54774

Manuscript Type: CASE REPORT

Optical coherence tomography guided stenting avoidance in an antiphospholipid syndrome patient: A case report

Du BB *et al.* Avoiding stenting in APS-related AMI

Bei-Bei Du, Xing-Tong Wang, Ya-Liang Tong, Kun Liu, Pei-Pei Li, Xiang-Dong Li, Ping Yang, Ying Wang

Abstract

BACKGROUND

Increasing attention has been paid to acute myocardial infarction (AMI) in young female patients for whom secondary factors should be considered during the diagnostic process. Anti-phospholipid syndrome (APS), a rare autoimmune disease that is most common in young female patients, is

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Coronary Embolism Among ST-Segment–Elevation Myocardial ...

<https://www.ahajournals.org/doi/10.1161/CIRCINTERVENTIONS.117.005587>

Acute myocardial infarction in the absence of obstructive coronary atherosclerosis is characterized by clinical evidence of **myocardial infarction** with normal or near-normal coronary arteries on angiography and according to current standard—a prerequisite for a possible coronary artery embolism (CE) cause. 1 – 3 The prevalence of CE as mechanism of ST-segment–elevation **myocardial** ...

Cited by: 1

Author: Batric Popovic, Nelly Agrinier, Nidhal Bouch...

Publish Year: 2018

Myocardial infarction with normal coronary arteries: a ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1365-2796.2007.01788.x>

Myocardial infarction with normal coronary arteries is therefore likely the result of multiple pathogenetic mechanisms. Although most reports emphasize the good prognosis of this condition, in general much better than **myocardial infarction** with coronary artery disease, prognosis is likely variable according to the underlying mechanism.

Cited by: 147

Author: I. Kardasz, R. De Caterina

Publish Year: 2007

Spontaneous Coronary Artery Dissection: Current State of ...

<https://www.ahajournals.org/doi/full/10.1161/CIR...>

Spontaneous coronary artery dissection (SCAD) has emerged as an important cause of **acute** coronary **syndrome**, **myocardial infarction**, and sudden death, particularly among **young** women and individuals with few conventional atherosclerotic risk factors.

Cited by: 158

Author: Sharonne N. Hayes, Esther S.H. Kim, Jacqu...

Publish Year: 2018

Female sex impact on culprit plaque at optical coherence ...

<https://www.researchgate.net/publication/338751966...>

Female sex impact on culprit plaque at **optical coherence tomography** analysis in the setting of **acute** coronary **syndrome** in OCT-FORMIDABLE registry Article in Future Cardiology 16(17) · January ...

(PDF) Myocardial infarction with normal coronaries: An ...

<https://www.researchgate.net/publication/256448112...>

Sep 04, 2013 · **Myocardial infarction** with normal **coronaries**: An unexpected finding in a 13-year-old girl with systemic lupus erythematosus ... **Case Report**: A 17-year-old **female** ...

European Society of Cardiology, acute cardiovascular care ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6148526>

Sep 21, 2018 · **Optical coherence tomography** 3362. Computed **tomography** coronary angiography 3363 ... Yasuda S. Prognostic impact of spontaneous coronary artery dissection in **young female** patients with **acute myocardial infarction**: a report from the Angina Pectoris-Myocardial Infarction ... Atalar E. **Acute** inferior myocardial infarction in a **young female** patient ...

Cited by: 71

Author: David Adlam, Fernando Alfonso, Angela M...

Publish Year: 2018

Spontaneous Coronary Artery Dissection ...

<https://www.sciencedirect.com/science/article/pii/S1936878X19301457>

Spontaneous coronary artery dissection (SCAD) is a cause of **acute** coronary **syndrome**, characterized by the formation of a false lumen (FL) in the tunica media of the coronary artery .This leads to external compression of the true lumen (TL), resulting in **myocardial infarction** (MI).

Cited by: 9

Author: Robert Jackson, Abtehale Al-Hussaini, Shi...

Publish Year: 2019

Spontaneous Coronary Artery Dissection: Case Report and ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3573361>

INTRODUCTION. Spontaneous coronary artery dissection (SCAD) is an unusual cause of **acute** coronary **syndrome** (ACS) or sudden cardiac death. Here, we present a **case** of SCAD in a **young** man who presented with stroke, followed by a review of the literature on this rare clinical entity.

Spontaneous coronary artery dissection - ScienceDirect

<https://www.sciencedirect.com/science/article/pii/S0167527314008602>

Spontaneous coronary artery dissection (SCAD) is a relatively rare and unexplored type of coronary disease. Although atherosclerosis, hormonal changes during pregnancy and connective tissue disorders might represent a sufficiently convincing explanation for some patients with SCAD, the many remaining cases display only a weak relationship with these causes.

Cited by: 107

Author: Daniele Giacoppo, Davide Capodanno, Geo...

Publish Year: 1998

Ischemic Complications of Pregnancy: Who is at Risk?

<https://www.uscjournal.com/articles/ischemic-complications-pregnancy> ▾

Jan 20, 2016 · Ischemic Complications of Pregnancy: Who is at Risk? ... which is best appreciated by **optical coherence tomography** or intravascular ... Varma C. Paradoxical coronary artery embolism causing **acute myocardial infarction** in a **young** woman with factor V Leiden thrombophilia. J R Coll Physicians Edinb 2012;42:218 ...

Author: Sara C Martinez, Sharonne N Hayes

Publish Year: 2016

Programme: Leipzig Interventional Course ...

<https://www.leipzig-interventional-course.com/...> ▾

Imminent **myocardial infarction** with co-existing thrombus in carotid artery as unfortune complications on early stage of standard CAS procedure ... (Eluvia) implantation: Observed by **optical coherence tomography** and high resolution angiography ... A **case** of rapidly expanding superior mesenteric artery aneurysm in a patient with systemic lupus ...

Percutaneous Coronary Intervention (PCI) Technique: Access ...

<https://emedicine.medscape.com/article/161446-technique> ▾

Nov 27, 2019 · **Percutaneous coronary intervention** (PCI), also known as coronary angioplasty, is a nonsurgical technique for treating obstructive coronary artery disease, including unstable angina, **acute myocardial infarction** (MI), and multivessel coronary artery disease (CAD). See the image below. ... **Optical coherence tomography**.

Fibromuscular Dysplasia Presenting as ... - Medcrave

<https://medcraveonline.com/JCCR/fibromuscular...> ▾

Spontaneous coronary artery dissection (SCAD) may be superimposed on CFMD leading to **acute** coronary **syndrome** (ACS) [1]. Importantly, CFMD has been associated with non-atherosclerotic **myocardial** ischemia and sudden death [2,3]. We **report** a **case** of spontaneous coronary artery dissection in the setting of coronary fibromuscular dysplasia.



Optical coherence tomography guided stenting avoidar

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Optical coherence tomography guided successful treatment ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6320136>

Intravascular imaging, especially **optical coherence tomography** (OCT), offers potential in optimization of percutaneous coronary intervention. **Patient concerns:** A 51-year-old male **underwent coronary angiography** (CAG) due to **chest pain** with minimal **ST-segment** depression of the electrocardiogram.

Author: Fei-Fei Zhang, Yi Dang, Qing-Qing ... **Publish Year:** 2018

Innovative invasive management without stent implantation ...

<https://www.sciencedirect.com/science/article/pii/S1875213618300196>

A two-step strategy of invasive management without **stenting**, **guided** by **optical coherence tomography** (OCT), in selected **patients** with **acute coronary syndrome** (ACS), might **avoid systematic stent implantation** and allow **medical therapy** alone.

Cited by: 2 **Author:** Geraud Souteyrand, Louis Viallard, Nico...

Publish Year: 2018

Optical coherence tomography compared with ... - The Lancet

[https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(16\)31922-5/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(16)31922-5/fulltext)

Optical coherence tomography to optimize **results of percutaneous coronary intervention** in **patients with non-ST-elevation acute coronary syndrome:** results of the multicenter, randomized DOCTORS study (Does **Optical Coherence Tomography Optimize Results of Stenting**).

Cited by: 203 **Author:** Ziad A Ali, Akiko Maehara, Philippe Gén...

Publish Year: 2016

Intra-vascular Optical Coherence Tomography - Medical ...

www.aetna.com/cpb/medical/data/800_899/0829.html

Aetna considers **intra-vascular optical coherence tomography** (OCT) experimental and