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The Year in Molecular Imaging | JACC: Cardiovascular Imaging

imaging.onlinejacc.org/content/2/1/97 ▾

Jan 01, 2009 · To evaluate the prevalence of 18 FDG-derived **carotid plaque inflammation in asymptomatic individuals**, Tahara et al. performed carotid 18 FDG-PET and CT **imaging** on 100 consecutive subjects undergoing screening carotid ultrasonography.

Cited by: 27

Author: Eric A. Osborn, Farouc A. Jaffer

Publish Year: 2009

Imaging Atherosclerosis - PubMed Central (PMC)

www.ncbi.nlm.nih.gov › ... › Lippincott Williams & Wilkins Open Access

Feb 19, 2016 · PET **Imaging** of Microcalcification, Hypoxia, and Neoangiogenesis. Aside from **inflammation**, several other molecular processes that contribute to the pathogenesis of atherosclerosis can be imaged using PET. Early vascular calcification occurring in response to intense **plaque inflammation**, and below the resolution of CT,...

Imaging and Nanomedicine in Inflammatory Atherosclerosis ...

stm.sciencemag.org/content/6/239/239sr1.full ▾

Jun 04, 2014 · The **dal-PLAQUE** study, a recent placebo-controlled multicenter **imaging** trial (NCT00655473), investigated FDG-PET **imaging** of **plaque inflammation** and MRI of **plaque** volume (63, 64). This **imaging** trial was part of a large program designed to evaluate the effects of dalcetrapib, a new cholesteryl ester transfer protein inhibitor, and showed FDG-PET to be a good indicator of the ...

Cited by: 138

Author: Willem J. M. Mulder, Farouc A. Jaffer, Za...

Publish Year: 2014

Published in: Science Translational Medicine · 2014

Authors: Willem J M Mulder · Farouc A Jaffer · Zahi A Fayad · Matthias Nahrendorf

Affiliation: Icahn School of Medicine at Mount Sinai · Harvard University

About: Medical **imaging** · Nanomedicine · **Inflammation**

Molecular imaging of coronary inflammation - ScienceDirect

<https://www.sciencedirect.com/science/article/pii/S1050173818301579>

PET/MR **imaging** of coronary **inflammation**. Systems combining PET and magnetic resonance **imaging** (MR) into a single scanner allow **simultaneous** PET and MR acquisitions. PET/MR has been shown to allow detection and follow evolution of vascular **inflammation** in the aorta and carotids arteries, with PET and MR providing complementary information. For coronary **imaging**, PET/MR **imaging** presents several advantages over PET...

Author: Matthieu Pelletier-Galarneau, Matthie...

Publish Year: 2018

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Keren Bachi, Venkatesh Mani, Devi Jeyachandran, Zahi A ...
ayad, Rita Z. Goldstein, Nelly Alia-Klein. "Vascular disease i

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Name of Journal: *World Journal of Radiology*

Manuscript NO: 45529

Manuscript Type: ORIGINAL ARTICLE

Observational Study

Imaging plaque inflammation in asymptomatic cocaine addicted individuals with simultaneous positron emission tomography/magnetic resonance imaging

Bachi K *et al.* Plaque inflammation in cocaine addiction

Keren Bachi, Venkatesh Mani, Audrey E Kaufman, Nadia Alie, Rita Z Goldstein, Zahi A Fayad, Nelly Alia-Klein



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(PDF) Imaging atherosclerotic plaque inflammation with ...

https://www.researchgate.net/publication/43033899_Imaging_atherosclerotic_plaque...

Imaging atherosclerotic plaque inflammation with [18F]-fluorodeoxyglucose positron emission tomography ... e.g. positron emission tomography and magnetic resonance imaging (PET/MRI), is ...

Published in: **Circulation** - 2002

Authors: James H F Rudd · Elizabeth A Warburton · Tim D Fryer · H A Jones · John C Clark

Affiliation: University of Cambridge

About: **Inflammation** · Vascular disease · **Positron** · Cardiology · Nuclear medicine · **Positro...**

Imaging atherosclerosis with positron emission tomography ...

<https://academic.oup.com/eurheartj/article/37/39/2974/2414990> ▼

Apr 28, 2016 · Vascular imaging with positron emission tomography/magnetic resonance imaging. **Magnetic resonance imaging** (MRI) is becoming increasingly available as part of hybrid PET/MRI systems and may have additional advantages over PET/CT systems in the evaluation of vascular inflammation.

Cited by: 31

Author: Philip Joseph, Philip Joseph, Philip Josep...

Publish Year: 2016

Author: Joseph, Philip, Tawakol, Ahmed

Imaging Atherosclerotic Plaque Inflammation With [18F] ...

<https://www.ahajournals.org/doi/abs/10.1161/01.cir.0000020548.60110.76>

Background—Atherosclerotic **plaque** rupture is usually a consequence of **inflammatory** cell activity within the **plaque**. Current **imaging** techniques provide anatomic data but no indication of **plaque inflammation**. The glucose analogue [18F]-fluorodeoxyglucose (18FDG) can be used to image **inflammatory** cell activity non-invasively by PET. In this study we tested whether 18FDG-PET **imaging** ...

Cited by: 1202

Author: J.H.F. Rudd, E.A. Warburton, T.D. Fryer, ...

Publish Year: 2002

Imaging Atherosclerosis with Hybrid Positron Emission ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4324479>

Noninvasive **imaging** of atherosclerosis could potentially move patient management towards individualized triage, treatment, and followup. The newly introduced combined **positron emission tomography** (PET) and **magnetic resonance imaging** (MRI) ...

Cited by: 9

Author: Rasmus Sejersten Ripa, Andreas Kjær

Publish Year: 2015