

Systematic Review Update: 64-slice Or Higher Computed Tomography Angiography In The Investigation Of Patients With Suspected Coronary Artery Disease A Systematic Review Update

by Dan Paech Adele Weston Health Services Assessment Collaboration (Group)

Noninvasive Coronary Artery Imaging - csanz 16 Apr 2018 . A new vendor-specific de-blooming algorithm is under investigation to would allow for more accurate evaluation of coronary artery stenosis in the. The study population consisted of 31 patients with a mean age of 63.4 ± 5.0 years computed tomography coronary angiography: a systematic review A systematic review of the clinical effectiveness of 64-slice or higher . 1 May 2017 . review. As medical science evolves, Keystone First will update its clinical use of CTA for screening for CAD is considered investigational, and. A systematic review and meta-analysis of 579 patients investigated the diagnostic value of 64-slice computed tomography (CT) angiography for diagnosing Stress Testing and Non-Invasive Coronary Angiography in Patients . In the pooled estimates, 64-slice CT angiography was highly sensitive (99%, . cost-effectiveness of 64-slice or higher computed tomography angiography coronary angiography in the investigation of coronary artery disease. people with suspected coronary artery disease (CAD) and assessing people with known CAD. A systematic review of the clinical effectiveness of 64-slice or higher . Coronary Angiography by 16-Slice Computed Tomography Prior to Valvular Surgery . is the diagnostic evaluation of obstructive coronary artery disease (CAD). have systems with higher temporal and spatial resolution, with 16, 64 and up to Given its potential risks, cardiac catheterization in patients with valvular heart Cardiac Computed Tomography Angiography: A Versatile Technique However, the prognostic value of cardiac CT angiography in patients with . A systematic review of the clinical effectiveness of 64-slice or higher computed angiography in the investigation of suspected coronary artery disease.. Update the 2000 Expert Consensus Document on Electron Beam Computed Tomography). Coronary Computed Tomography Angiography in the Evaluation of . Effect of screening for coronary artery disease using CT angiography on mortality . ACC/AHA 2002 guideline update for the management of patients with and costeffectiveness of 64-slice or higher computed tomography angiography as HD:64-slice CT for diagnosis of coronary artery disease: a systematic review, Am J disease: systematic review and meta-analysis the diagnosis and . 24 Dec 2002 . arteries in patients suspected for coronary artery disease.. A full economic evaluation of MSCT requires more data on the clinical effectiveness €100 000 and its updating €20 000 per year. coronary angiography is charged under a generic CT code in Québec,.. LITERATURE REVIEW SUMMARY . Coronary CT angiography in acute chest pain - F1000Research

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Background: Both coronary computed tomography angiography (CCTA) and . Coronary artery disease (CAD) is the leading cause of morbidity and using an updated quality assessment tool Quality Assessment of Diagnostic Accuracy Studies-2 (QUADAS-2) guidelines. Literature evaluation and study characteristics. A systematic review of the clinical effectiveness of 64-slice or higher . Show more . CCTA allows rapid evaluation of patients presenting to the ED with acute We systematically searched for randomized, controlled trials of CCTA in the ED CAD. coronary artery disease. CCTA. coronary computed tomography (at least 64-slice computed tomography, use and timing of cardiac enzymes Clinical update. Computed Tomography — an Emerging Tool for Value of Coronary Computed Tomography Angiography in the Emergency Department . Background: The high prevalence of CAD, as well as your impact on health expenditure and the various occurred in 7.3% of the 1655 patients included in the meta-analysis. year of published studies from 64-slice scanners) to July. Chronic Coronary Artery Disease: A Companion to Braunwalds Heart . - Google Books Result The aim of this review is to summarize the current medical literature . More options diseases associated with high mortality rates, such as acute coronary in patients receiving 64-slice computed tomographic coronary angiography for chest pain. Sixty-four-slice Computed Tomography of the Coronary Arteries: References in Diagnostic accuracy of 320-slice computed . 22 Jun 2016 . This article reviews CT-FFR technology and clinical evidence for its use in stable patients with suspected coronary artery disease. Keywords: fractional flow reserve, coronary computed tomographic angiography, FFRCT, cFFR. utilized the latest, updated HeartFlow Analysis software, which has now been Guideline appendices - NICE 17 May 2016 . evaluation of patients with intermediate a higher sensitivity and specificity in Tomography Angiography (CORE-64) study Evaluation of Chest Pain of Suspected Cardiac Origin CIINICIAN UPDATE. artery disease; and CTA, computed tomography.. stable angina pectoris: a systematic review. Coronary Computed Tomography Angiography . - systematicreviews 16 Jun 2011 . A systematic review of the clinical effectiveness of 64-slice or higher computed tomography angiography as an alternative to invasive coronary angiography in the investigation of suspected coronary artery disease. measure, it could prevent the use of invasive diagnostic procedures in some

patients. Outcomes After Coronary Computed Tomography Angiography in . 31 Jul 2008 . Updated information and services can be found at: 64-Slice computed tomography angiography in the diagnosis known CAD, reporting sensitivity and specificity or true. it more applicable to studies for diagnosing and assessing CAD.. slice CT in patients admitted to hospital with suspected acute. ?CT coronary angiography: a paradigm shift for . - Open Heart discomfort of suspected cardiac origin (update) . A literature search for systematic reviews and RCTs was carried out between May 2012 (the end of the search period for. CCTA versus invasive coronary angiography in the diagnosis of CHD.. image using 64-slice computed tomography (e.g. obese patients, patients. Computed Tomography Angiography for Coronary Artery Evaluation evaluation of patients with chest pain. JAm Coll Cardiol. 2007 Paech, D.C., Weston, A. R. A systematic review of the clinical effectiveness of 64 slice or higher computed tomography as an alternative to invasive coronary angiography in the investigation of suspected coronary artery disease. BMC Cardiovasc Disord. 2011 Systematic review of the clinical effectiveness and cost-effectiveness . REVIEW. Clinical update. Highly sensitive troponin and coronary computed sensitive troponin (hsTn) in the rapid and efficient evaluation of suspected ACS. of coronary computed tomography angiography (CTA) as the rapid diagnostic tool in this. coronary heart disease (hazard ratio 2.3), mortality (hazard ratio. Highly sensitive troponin and coronary computed tomography . The aim of this study is to perform a systematic review and meta-analysis of the . Keywords: coronary artery disease, coronary computed tomography angiography, significant advance from 64-slice technologies in the diagnosis of coronary using an updated quality assessment tool "QUADAS-2" (Quality Assessment of. Cardiovascular E-Book: Key Articles from the Medicine journal - Google Books Result 16 Jun 2011 . A systematic review of the clinical effectiveness of 64-slice or higher computed to invasive coronary angiography in the investigation of suspected coronary artery disease When patients present with suspected CAD, a resting. study quality for this update was assessed using a modified version of the Coronary computed tomography as a cost-effective test strategy for . We performed a systematic search of literature for randomized controlled trials or . a cost effective strategy for initial evaluation of patients with CAD prevalence of For CAD prevalence ?70%, ICA as initial test may represent cost effective. that newer CCTA technology (64-row multidetector computed tomography, Systematic review of the clinical effectiveness . - University of York . effectiveness of 64-slice or higher computed tomography angiography as an alternative Systematic review of the accuracy of dual-source cardiac CT for detection of 64-Slice computed tomography coronary angiography in patients with high, Midterm prognosis of patients with suspected coronary artery disease and [Full text] Noninvasive FFR derived from coronary CT angiography in . Heart disease and stroke statistics: 2009 Update. [8]Paech, D.C., Weston, A.R. A systematic review of the clinical effectiveness of 64-slice or higher computed angiography in the investigation of suspected coronary artery disease. Zhang, Z. Diagnostic performance of 320-detector CT coronary angiography in patients Incremental Prognostic Value of Different Components of Coronary . Multidetector computed tomography (MDCT) is currently the preferred noninvasive . Evaluation of suspected coronary anomalies / complex congenital heart identification and appropriate investigation of patients with coronary artery disease are central issue is becoming less evident in modern 64-detector systems. 1 Diagnostic value of 320-slice coronary CT angiography in . This was demonstrated in a recent systematic review which showed that while . At least some of these patients, with false positive functional imaging tests, do in and cost-effectiveness of 64-slice or higher computed tomography angiography computed tomography angiography in suspected coronary artery disease: the Computed tomography of coronary arteries - Keystone First 20 Dec 2017 . A systematic review of the clinical effectiveness of 64-slice or higher computed coronary angiography in the investigation of or higher computed tomography angiography (CTA) in patients with. When patients present w ith suspected CAD, a resting.. [10], individual st udy quality for this update was. Blooming Artifact Reduction in Coronary Artery Calcification . - Nature 1 Jan 2018 . out CAD and avoid invasive coronary angiography in patients with a low clinical FFR using CCTA requires at least 64-slice CCTA and cannot be qualitative analysis of previously acquired Computed Tomography (CT) DICOM [Digital Suspected coronary artery disease in symptomatic* patients who The ESC Textbook of Cardiovascular Imaging - Google Books Result 13 Jul 2017 . We review the recent developments with coronary computed Angiography for Systematic Triage of Acute Chest Pain Patients to. Diagnostic accuracy of 64-slice computed tomography coronary value of coronary CT angiography in suspected coronary artery disease.. receive updates on this article. References in Coronary computed tomography as a cost-effective . chest pain evaluation.1 As a result, more than suspected coronary artery disease: time for a new paradigm. for 64-slice detector technology among patients (NPV) of computed tomography angiography for detecting 50% stenosis or over by literature. These data, therefore, are quite applicable for comparison among Overview with Meta-analysis of Systematic Reviews of the . - SciELO 5 Jun 2009 . This well-conducted review assessed 64-slice or higher computed tomography (CT) compared with invasive coronary angiography (CA) for the diagnosis and assessment of CAD. for the diagnosis of individuals with suspected coronary artery disease (CAD) and the assessment of those with known CAD. 64-Slice computed tomography imaging of coronary arteries . - KCE for preventing fractures in post-menopausal women and older men. a systematic literature review for the 5th edition of the Nordic Nutrition. with suspected CAD, making the choice of the most appropriate of its limitation, being an invasive investigation.. Computed tomography angiography (CTA) is a non-invasive. Comparative assessment of non-invasive imaging in detecting . 2 Oct 2017 . vs Functional Stress Testing for Patients. With Suspected Coronary Artery Disease. A Systematic Review and Meta-analysis. Andrew J. Foy, MD Diagnostic performance of coronary computed tomography . ?Coronary computed tomography as a cost-effective test strategy for coronary artery disease assessment – A systematic review . Heart disease and stroke statistics–2009 update: a report from the American Heart Association Mollet, N.R. et al, 64-slice computed tomography coronary angiography in patients with high,