

心臟電腦斷層造影之新發展

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近年來，心臟電腦斷層造影的發展日新月異，它是一項先進的非侵入性冠狀動脈造影檢查方法。現代掃描儀科技的進步，使它在大多數患者都能獲得優良的影像品質，而在能迅速獲取影像與精確診斷判讀的情況下，已使這項科技成爲一般冠狀動脈疾病患者的評估工具之一。

本篇演講主要針對用來進行冠狀動脈血管造影(coronary CTA)的現代多偵測器電腦斷層掃描儀(Multidetector computed tomography, MDCT)的發展、性能、需求與限制作一綜合性報告。

RECENT ADVANCES IN CARDIAC COMPUTED TOMOGRAPHY

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Multidetector computed tomography is rapidly revitalizing as a noninvasive method to evaluate the coronary anatomy as well as the related disease entities. Technical advances available in modern scanners now lead to adequate image quality in most patients. Image acquisition and interpretation can be performed very rapidly, making this technology the modality of choice for the evaluation of ambulatory patients.

This review summarizes the developments, capabilities, requirements and limitations of the current generation scanners of multidetector computed tomography (MDCT) use in performing coronary CT angiography (CTA).