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coronary stent placement (12). The improved hardware configuration of 64-section CT scan-ners allows direct visualization of the stent struts and lumen for a more reliable assessment of in-stent patency than is allowed by the visualization of distal runoff. In symptomatic patients, multi-detector CT may be used as a complement or a

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This allows retrograde flow via collateral branches to the vessel segment distal to an occluded or diseased stent. Attempts also have been made to assess coronary artery stent patency with 16–detector row CT scanners on the basis of contrast enhancement measurements (. 43) or pixel count methods (. 44). However, the detection of more subtle degrees of in-stent neointimal hyperplasia was ...

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Stent visualization during PCI and follow-up

Chadi Ghafari, Stéphane Carlier

Chadi Ghafari, Stéphane Carlier, Cardiology, UMONS, Mons 7000, Belgium

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Author: Tienush Rassaf, Stephan Steiner, Malte ...

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The number of percutaneous coronary intervention procedures funded by the Ontario Ministry of Health and Long-term Care is expected to increase from approximately 17,780 in 2004/2005 to 22,355 in 2006/2007 (an increase of 26%), with about 95% requiring the placement of one or more stents.

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Attempts also have been made to assess coronary artery stent patency with 16-detector row CT scanners on the basis of contrast enhancement measurements (, 43) or pixel count methods (, 44). However, the detection of more subtle degrees of in-stent neointimal hyperplasia was beyond the capabilities of that generation of CT scanners.

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Author: Francesca Pugliese, Filippo Cademartini, ...

Publish Year: 2006