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Retrospective Study

Optimized protocol of multiple post-processing techniques improves the diagnostic accuracy of multidetector computed tomography in assessment of small bowel obstruction compared with conventional axial and coronal reformations

Kuang LQ *et al.* MDCT assessment of SBO

Lian-Qin Kuang, Wei Tang, Ran Li, Cheng Cheng, Shuang-Yue Tang, Yi Wang

Abstract

BACKGROUND

Axial and coronal reformations have been a widely-used image post-processing protocol for the ordinary multidetector computed tomography (MDCT) examination of patients with small bowel obstruction (SBO) or other abdominal diseases. The diagnostic accuracy of MDCT for assessing SBO is expected to can be further improved through the use of its multiple post-processing techniques.

AIM

To systemically evaluate the diagnostic accuracy and efficiency of an optimized protocol using multiple post-processing techniques for MDCT assessment of SBO

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Role of MSCT (multi-slice computed tomography) in acute abdomen ...

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2012年1月4日 - Subjective and **methods** ... Acute pancreatitis, acute appendicitis, **intestinal obstruction**, ... excellent sagittal and **coronal reformation**, and minimum artifacts. ... Helical **computed tomography (CT)** allows rapid, cost-effective **evaluation** of ... collimation, and pitch) can markedly **improve diagnostic accuracy**.

Utility of 64-row multidetector computed tomography in diagnosis and

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Patients and **methods** ... Those results were **compared** to final clinical surgical **diagnosis** with 100% ... **Small bowel obstruction** is a common clinical problem [1]. ... imaging has become the primary focus in the **treatment** of patients with SBO. ... Newer **multidetector CT** scanners with multiplanar **reformation** capability are ...

Multi-detector CT enterography with iso-osmotic mannitol as oral ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4305819/> [▼ 翻译此页](#)作者: LH Zhang - 2005 - [被引用次数: 48 - 相关文章](#)

2005年4月21日 - AIM: To **assess** the feasibility and usefulness of **multi-detector CT** ... Two radiologists post-processed imaging data with MPR, thin MIP, VRT and INSPACE ... CT enterography

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Patients and **methods** ... **compared** to final clinical surgical **diagnosis** with 100% **accuracy**, sensitivity and ... **Small bowel obstruction** is a common clinical problem [1]. ... Newer **multidetector CT** scanners with multiplanar **reformation** capability are ... was to **assess** and confirm the role of 64 multislice computed tomography (64 ...

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