

**Name of Journal:** *World Journal of Radiology*

**ESPS Manuscript NO:** 22877

**Manuscript Type:** ORIGINAL ARTICLE

*Observational Study*

**Simultaneous whole body  $^{18}\text{F}$ -FDG PET-MRI for evaluation of pediatric cancer: preliminary experience and comparison with  $^{18}\text{F}$ -FDG PET-CT**

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Z Keidar, D Militianu, E Melamed... - Journal of Nuclear ... 2005 - Soc Nuclear Med

... Studies on a larger number of patients and comparing the results of concurrent combined bone and white blood cell scintigraphy are needed to validate and establish the role and diagnostic ... Infection imaging using whole-body FDG-PET ... Abstract/FREE Full Text. — Frykberg RG. ...

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### The diagnostic value of 18F-FDG PET and MRI in paediatric histiocytosis

WP Mueller, HJ Melzer, I Schmid, E Coppenrath... - European journal of ... 2013 - Springer

... Fast whole-body T2-weighted STIR protocols are used to screen the entire body for bone ... In the future, simultaneous PET/MRI acquisition may become the first choice for initial evaluation of ...

First clinical experience with integrated whole-body PET/MR: comparison to PET/CT in ...

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### PET/MR in children. Initial clinical experience in paediatric oncology using an integrated PET/MR scanner

FW Hirsch, B Sattler, I Sorge, L Kurch, A Viehweger... - Pediatric ... 2013 - Springer

... This relates to the successful and simultaneous acquisition of MR and PET data ... The simultaneously measured PET signal provides the established advantages of function determination and ... Stauss J, Pfluger T et al (2010) Procedure guidelines for whole-body 18F-FDG ...

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### MRI-based attenuation correction for PET/MRI: a novel approach combining pattern recognition and atlas registration

M Hofmann, F Steinke, V Scheel... - Journal of Nuclear ... 2008 - Soc Nuclear Med

... AC for simultaneous PET/MRI has received little attention so far ... The first simultaneously acquired PET/MR images of the human brain were attenuation corrected only with 2 ... we used the one given

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### Positron-emission tomography and assessment of cancer therapy

ME Juweid, BD Cheson - New England Journal of Medicine, 2006 - Mass Medical Soc

... No potential conflict of interest relevant to this article was reported. A slide presentation is available with the full text of this article at www.nejm.org. ... Whole-body positron emission tomography using 18F-fluorodeoxyglucose for posttreatment evaluation in Hodgkin's disease ...

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### Preoperative staging of non-small-cell lung cancer with positron-emission tomography

RM Pieterman, JWG van Putten... - ... England Journal of ..., 2000 - Mass Medical Soc

... Knoxville, Tenn.) that had a field of view of 10.8 cm and a full width of ... Concurrent detection of mediastinal and distant metastases by 18F-fluorodeoxyglucose PET will decrease the number of ... Lesion-to-background ratio in nonattenuation-corrected whole-body FDG PET images. ...

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### Evaluation of chemotherapy response in primary bone tumors with F-18 FDG positron emission tomography compared with histologically assessed tumor necrosis

C Franzius, J Sciuk, C Brinkschmidt... - Clinical nuclear ..., 2000 - journals.lww.com

... an ECAT EXACT 921/47 (CTI/Siemens, Knoxville, TN) camera, allowing simultaneous acquisition of ... Because all scans were performed using a whole-body technique, the images were also ... The percentage of vital areas in relation to the entire tumor area was determined by two ...

被引用次数: 148 相关文章 所有 4 个版本 引用 保存

### [HTML] Diagnostic contribution of positron emission tomography with [18F] fluorodeoxyglucose for invasive fungal infections

A Hot, C Maunoury, S Poiree... - Clinical Microbiology ..., 2011 - Wiley Online Library

... Contiguous 5-mm-thick sections of the entire chest were obtained in nine ... Images were analysed on a Brilliance device (Philips), simultaneously displaying non-corrected, attenuation ... Indeed,

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[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) > ... > [PubMed Central \(PMC\)](#) ▾ [翻译此页](#)

作者: S Partovi - 2014 - 被引用次数: 28 - 相关文章

2014年3月20日 - This system design enables **simultaneous** acquisition of **PET** and ...  
For **pediatric oncology** applications **PET/MRI** has potential to reduce ... Due to frequent  
distant metastases the **whole body** approach of the .... Ben-Haim S, Ell P. **18F-FDG PET**  
and **PET/CT** in the **evaluation** of cancer treatment response.

### Clinical and research applications of simultaneous positron ...

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作者: F Fraioli - 2014 - 被引用次数: 3 - 相关文章

2013年12月18日 - First **experiences** on the clinical and research application of hybrid  
**PET-MRI** are emerging. ... **Positron emission tomography** with anatomical **MRI** for  
localization and .... MR is the established gold standard for the **evaluation** of brain  
tumours. .... The first **simultaneous** clinical **whole-body PET-MRI** scanner ...

### Positron Emission Tomography (PET) - CPB 0071 - Aetna

[www.aetna.com/cpb/medical/data/1\\_99/0071.html](http://www.aetna.com/cpb/medical/data/1_99/0071.html) ▾ [翻译此页](#)

Aetna considers **FDG-PET** medically necessary for the following oncologic .... use of a  
**PET-CT** scan for staging or treatment planning for anal **cancer** has not been validated. ....  
**FDG-PET** scans are considered medically necessary for **evaluating** .... **PET/MRI** is  
considered experimental and investigational for all indications ...

### [PDF] Clinical applications of PET/MRI: current status and future ...

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作者: F Nensa - 2014 - 被引用次数: 19 - 相关文章

2014年6月19日 - obtained in **whole-body cancer** staging in non-small cell lung ... clinical