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Utility of positron emission tomography-magnetic resonance imaging in
Musculoskeletal Imaging

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Matthews

Abstract

Differentiation between neoplastic and nonneoplastic conditions MRI has established itself as one of the key clinical tools in evaluation of musculoskeletal pathology. However, MRI still has several key limitations which require supplemental information from additional modalities to complete evaluation of various disorders. This has led to the development hybrid PET-MRI which is rapidly evolving to address key clinical questions by using the morphological strengths of MRI and functional information of PET imaging. In this article, we aim to review physical principles and techniques of PET-MRI and discuss clinical utility of functional information obtained from PET imaging and structural information obtained from MRI imaging for the evaluation of musculoskeletal pathology. More specifically, this review highlights the role of PET-MRI in musculoskeletal oncology including initial diagnosis and staging, treatment

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Competitive Advantage of PET/MRI

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of ... Most evidence for the potential clinical **utility of PET/MRI** is based on studies
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Pancreatic cancer - Wikipedia, the free encyclopedia

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Adenocarcinoma of the Pancreas - USC Department of ...

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The most common type of **cancer** of the **pancreas** is an **adenocarcinoma** of the **pancreas**. 85% of all cancerous **tumors** of the **pancreas** are adenocarcinomas.

Oncolytic adenoviruses targeted to cancer stem cells

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作者: JJ Short - 2009 - 被引用次数: 47 - [相关文章](#)

2009年8月11日 - CSCs embody the refractory nature observed among many **cancers**: very **tumor** growth and **metastatic** activity in human **pancreatic cancer**. Targeting the **untargetable**: oncolytic virotherapy for the cancer stem cell.

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Positron emission tomography - Wikipedia, the free ...

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Use of this tracer to explore the possibility of cancer metastasis (i.e., spreading to

Musculoskeletal imaging: PET has been shown to be a feasible technique for studying

For brain imaging, registration of CT, **MRI** and **PET** scans may be ...

Magnetic resonance imaging and positron emission ...

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作者: NA Faizi - 2012 - 被引用次数: 2 - 相关文章

Magnetic resonance imaging and positron emission tomography-computed tomography

.... [5,6] Limited studies have described the **utility** of **MRI** and **PET-CT** in CT and **MR imaging** in the local staging of primary malignant **musculoskeletal** ...

Competitive Advantage of PET/MRI

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作者: H Jadvar - 2014 - 被引用次数: 36 - 相关文章

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