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Name of Journal: *World Journal of Clinical Oncology*

Manuscript NO: 33141

Manuscript Type: Review

Magnetic resonance imaging for diagnosis and neoadjuvant treatment evaluation in locally advanced rectal cancer: A pictorial review

Gulgun Engin, Rasul Sharifov

#### Abstract

High-resolution pelvic magnetic resonance imaging (MRI) is the primary method for staging rectal cancer. MRI is highly accurate in the primary staging of rectal cancer; however, it has not proven to be effective in re-staging, especially in complete response evaluation after neoadjuvant therapy. Neoadjuvant chemoradiotherapy produces many changes in rectal tumors and on adjacent area, as a result, local tumor extent may not be accurately determined. However, adding diffusion-weighted sequences to the standard approach can improve diagnostic accuracy. In this pictorial review, an overview of the

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Rectal cancer: assessment of complete response to ... - Curvo-Semedo - 被引用次数: 141

MRI after treatment of locally advanced rectal cancer: ... - Patel - 被引用次数: 55

... of Lymph Node Status in Rectal Cancer with Use of ... - Brown - 被引用次数: 570

## MRI After Treatment of Locally Advanced Rectal Cancer: How to ...

[www.ajronline.org/doi/abs/10.2214/AJR.11.8210](http://www.ajronline.org/doi/abs/10.2214/AJR.11.8210) ▾ [翻译此页](#)

作者: UB Patel - 2012 - 被引用次数: 55 - [相关文章](#)

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## MRI for Assessing Response to Neoadjuvant Therapy in Locally ...

<https://www.ncbi.nlm.nih.gov> > NCBI > Literature > PubMed Central (PMC) - [翻译此页](#)

作者: M Pettrillo - 2015 - 被引用次数: 4 - [相关文章](#)

2015年8月27日 - To evaluate MRI for neoadjuvant therapy response assessment in locally ... Diagnostic performance linked to DCE-MRI volumetric change was ... is the current standard for locally advanced rectal cancer (LARC) [2]. .... Beets-Tan R. G. H., Beets G. L. Rectal cancer: review with emphasis on MR imaging.

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... of Lymph Node Status in Rectal Cancer with Use of ... - Brown - 被引用次数 : 592

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作者 : UB Patel - 2012 - 被引用次数 : 59 - 相关文章

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## MRI of Rectal Cancer: An Overview and Update on Recent Advances ...

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作者 : KS Jhaveri - 2015 - 被引用次数 : 11 - 相关文章

Rare tumors of the colon and rectum: a national review. ... Diffusion-weighted MRI in locally advanced rectal cancer: pathological response ... in the evaluation of tumor response to neoadjuvant chemo- and radiation therapy. ... with magnetic resonance conventional sequences for the diagnosis of rectal ..... Pictorial Essay.

## Rectal Cancer: Assessment of Complete Response to Preoperative ...

<pubs.rsna.org/doi/abs/10.1148/radiol.11102467> ▼ 翻译此页

作者 : L Curvo-Semedo - 2011 - 被引用次数 : 145 - 相关文章

To determine diagnostic performance of diffusion-weighted (DW) magnetic resonance (MR) imaging for

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## **FDG PET/CT in the Management of Colorectal and Anal Cancers - AJR**

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作者: A Agarwal - 2014 - 被引用次数: 18 - 相关文章

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