Retrospective Study

Prediction of different stages for rectal cancer: Texture analysis based on diffusion-weighted images and apparent diffusion coefficient maps

Yin JD *et al*. TA for predicting stages of rectal cancer

Jian-Dong Yin, Li-Rong Song, He-Cheng Lu, Xu Zheng

Abstract

BACKGROUND

16,900 Results　　　　Any time ▾

Application of texture analysis based on apparent ...
https://onlinelibrary.wiley.com/doi/10.1002/jmri.25460

To explore the potential of **texture analysis based** on apparent diffusion coefficient (**ADC**) **maps**, as a predictor of local invasion depth (**stage** pT1–2 versus pT3–4) and nodal status (pN0 versus pN1–2) of **rectal cancer**.

Cited by: 28　　　　　Author: Liheng Liu, Liheng Liu, Yuhui Liu, Lian...
Publish Year: 2017

[PDF] Application of texture analysis based on ADC maps in ...
https://pdfs.semanticscholar.org/5fe6/b62f0ec3034106ae12f01897dbf164e067e1.pdf

of TA **based** on **ADC maps**, for staging of **rectal cancer**, has not been documented. The purpose of this study was to explore the potential of **texture**-related attributes on **ADC maps** in predicting the extent of local invasion (pathological **stage** T1-2 vs. T3-4) and nodal involvement (N0 vs. N1-2) in patients with **rectal cancer**.

(PDF) MRI texture analysis in predicting treatment ...
https://www.researchgate.net/publication/322207145_MRI_texture_analysis_in_predicting...

of **rectal cancer based** on T2-weighted MRI can predict ... calculated from the coefficient **maps** created by DWI-MRI and recorded independently. ... investigate **texture analysis** of **ADC images** ...

Prediction of Clinical Pathologic Prognostic Factors for ...
https://link.springer.com/article/10.1007/s10916-019-1464-5 ▾

Nov 07, 2019 · **Texture analysis** has been used to characterize and measure tissue heterogeneity in medical **images**. The purpose of this study was to investigate the potential of **texture** features derived from apparent diffusion coefficient (**ADC**) **maps**, to serve as imaging markers for predicting important histopathologic prognostic factors in **rectal cancer**.

Author: Zhihua Lu, Lei Wang, Kaijian Xia, H...　　Publish Year: 2019
Author: Zhihua Lu

Prediction of different stages for rectal cancer: Texture analysis based

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Prediction of efficacy of neoadjuvant ... 翻译此页

Cited by: 5
Publish Year: 2019

Author: Zhenyu Shu, Songhua Fang, Qin Ye, Dew...

2019-3-9 · Liu L, Liu Y, Xu L,et al.Application of texture analysis based on apparent diffusion coefficient maps in discriminating different stages of rectal cancer.J Magn ...

https://link.springer.com/article/10.1007/s00261-019-01971-y ▾

Predicting the pathological response to ... 翻译此页

Cited by: 1
Publish Year: 2019

Author: Siye Liu, Lu Wen, Jing Hou, Shaolin Nie, J...

作者: Siye Liu

2019-4-27 · Objectives. To investigate the performance of the mean parametric values and texture features based on intravoxel incoherent motion diffusion-weighted imaging (IVIM-DWI) on identifying pathological complete response (pCR) to neoadjuvant chemoradiotherapy (nCRT) in locally advanced rectal cancer (LARC).

https://link.springer.com/article/10.1007/s00261-019-02032-0 ▾

Application of texture analysis based on apparent ... 翻译此页

Cited by: 30
Publish Year: 2017

Author: Liheng Liu, Liheng Liu, Yuhui Liu, Liang X...

11,200 Results   Any time ▼

Application of texture analysis based on apparent ...
https://onlinelibrary.wiley.com/doi/abs/10.1002/jmri.25460

Purpose. To explore the potential of **texture analysis based** on **apparent diffusion coefficient** (ADC) **maps**, as a predictor of local invasion depth (**stage** pT1-2 versus pT3-4) and nodal status (pN0 ... **+**

Cited by: 30   **Author:** Liheng Liu, Liheng Liu, Yuhui Liu, Liang X...
Publish Year: 2017

Application of texture analysis based on apparent ...
https://onlinelibrary.wiley.com/doi/10.1002/jmri.25460

Sep 22, 2016 · To explore the potential of **texture analysis based** on **apparent diffusion coefficient** (ADC) **maps**, as a predictor of local invasion depth (**stage** pT1-2 versus pT3-4) ... **+**

Cited by: 30   **Author:** Liheng Liu, Liheng Liu, Yuhui Liu, Liang X...
Publish Year: 2017

Prediction of Clinical Pathologic Prognostic Factors for ...
https://link.springer.com/article/10.1007/s10916-019-1464-5

Nov 07, 2019 · **Texture analysis** has been used to characterize and measure tissue heterogeneity in medical **images**. The purpose of this study was to investigate the potential of ... **+**

Author: Zhihua Lu, Lei Wang, Kaijian Xia, Hen...   **Publish Year:** 2019
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[PDF] Application of texture analysis based on ADC maps in ...
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of TA **based** on ADC **maps**, for staging of **rectal cancer**, has not been documented. The purpose of this study was to explore the potential of **texture**-related attributes on ADC **maps** in predicting the ... **+**

Rectal Cancer Invasiveness: Whole-Lesion Diffusion ...
https://www.nature.com/articles/s41598-019-55059-0