

The role of MRI-radiomics in predicting response to chemotherapy



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## [Radiomics for the Prediction of Treatment Outcome and ...](#)

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Mar 01, 2021 · **Colorectal Liver Metastases: Response Prediction.** Six studies used CT-based radiomics to **predict response to chemotherapy** in CRLM . 13, 94, 99, 106, 107, 108 Lower skewness and narrower standard deviation were predictive for **response**. 13 Conflicting results were found for uniformity 94, 99, 108 and mean. 13, 94, 99, 107

**Author:** Femke C.R. Staal, Femke C.R. Staal, ... **Publish Year:** 2021

## [Use of Imaging to Predict Complete Response of Colorectal ...](#)

<https://pubs.rsna.org/doi/full/10.1148/radiol.2017161619>

To compare the diagnostic performances of contrast agent-enhanced computed tomography (CT) and gadolinium ethoxybenzyl diethylenetriamine pentaacetic acid-enhanced **liver** magnetic resonance (MR) imaging (referred to as EOB MR imaging) in the evaluation of disappearing **colorectal liver metastases** (CRLMs) after **chemotherapy**. Materials and Methods. The eight institutional review boards approved ...

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**Name of Journal:** *World Journal of Gastroenterology*

**Manuscript NO:** 67465

**Manuscript Type:** ORIGINAL ARTICLE

*Retrospective Study*

**The MRI-radiomics evaluation of response to chemotherapy for synchronous liver metastasis of colorectal cancer**

Chemotherapy evaluation for SLM of CRC

Yan-Qing Ma, Yang Wen, Hong Liang, Jian-Guo Zhong, Pei-Pei Pang

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## Radiologic and pathologic response to neoadjuvant ...

<https://pubmed.ncbi.nlm.nih.gov/29615295>

Purpose: To investigate the short- and long-term outcomes of **liver** first approach (LFA) in patients with **synchronous colorectal liver** metastases (CRLM), evaluating the predictive factors of survival. Methods: Sixty-two out of 301 patients presenting with **synchronous** CRLM underwent LFA between 2007 and 2016. All patients underwent neoadjuvant **chemotherapy**.

Cited by: 7

Author: Giammauro Berardi, Marc De Man, Stéphan...

Publish Year: 2018

## Managing synchronous liver metastases from colorectal ...

<https://pubmed.ncbi.nlm.nih.gov/26417845>

An international panel of multidisciplinary experts convened to develop recommendations for managing patients with **colorectal cancer** (CRC) and **synchronous liver** metastases (CRCLM). A modified Delphi method was used. CRCLM is defined as **liver** metastases detected at or before diagnosis of the primary ...

Cited by: 345

Author: René Adam, Aimery de Gramont, Joan Figu...

Publish Year: 2015

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tal **cancer** deaths can be attributed to **metastasis** [3]. Approximately 20 to 30% of rectal **cancer** patients have met-astatic lesions at the time of diagnosis [4, 5]. The three most common metastatic sites are the **liver**, lung, and bone [6]. For localized **colorectal liver** or lung metastases, resection has