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Retrospective Study

Prognostic role of sarcopenia in metastatic colorectal cancer patients during first line chemotherapy: A retrospective study

Maddalena *et al*. Sarcopenia in mCRC

Chiara Maddalena, Andrea Ponsiglione, Luigi Camera, Lidia Santarpia, Fabrizio Pasanisi, Dario Bruzzese, Camilla Panico, Giovanni Fiore, Simona Camardella, Tolomeo Caramia, Alessia Farinaro, Sabino De Placido, Chiara Carlomagno

Abstract

BACKGROUND

Sarcopenia is a condition characterized by decreased skeletal muscle mass due to

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Apr 18, 2020 · Moreover, the **prognostic** association of **sarcopenia** was remarkable in **patients** aged <73.0 years (cancer-specific survival: 82.0 months vs. not reached, P = 0.0027; overall survival: 72.0 months vs. not reached, P = 0.0078 in sarcopenic vs. non-sarcopenic **patients**), whereas the association was not significant in **patients** aged ≥73.0 years (cancer-specific survival: 76.0 and 75.0 months, ...

Author: Takashi Ikeda, Hiroki Ishihara, Junpei I...   Publish Year: 2020

(PDF) Prognostic role of pre-sarcopenia and body ...
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Prognostic role of pre-**sarcopenia** and body composition with long-term outcomes in obstructive **colorectal cancer**: **A retrospective** cohort **study** August 2020 World Journal of Surgical Oncology 18(1)

Factors Contributing to Cancer-Related Muscle Wasting ...
https://academic.oup.com/jncics/article/3/2/pkz014/5479593 ▾

Apr 25, 2019 · Skeletal muscle loss, one of the main characteristics **of sarcopenia** and a diagnostic criterion for **cancer** cachexia (), is a common, albeit occult, phenomenon in many **cancer** types, including **colorectal cancer** (CRC).A recent meta-analysis found that the overall prevalence **of sarcopenia** in **patients** with different primary tumors exceeded 40%, including CRC with prevalence varying from ...

Cited by: 3   Author: Jeroen W G Derksen, Sophie A Kurk, Ma...
Publish Year: 2019

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Prognostic role of pre-sarcopenia and body composition with long …
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Aug 28, 2020 · **Pre-sarcopenia** is a significant **prognostic factor in colorectal cancer patients**. In **colorectal cancer surgery**, pre-sarcopenia has been reported to **predict** poorer postoperative short-term and oncologic long-term outcomes [12, 13].

Author: Chul Seung Lee, Daeyoun David Wo…　　Publish Year: 2020

Prognostic significance of sarcopenia and skeletal muscle mass …
https://www.sciencedirect.com/science/article/pii/S026156141930127X
Mar 01, 2020 · In **colon cancer patients**, the impact **of sarcopenia** on long-term outcomes have been previously investigated , , , , ; however, the impact **of sarcopenia** and change of muscle mass **during** preop-CRT on non-**metastatic** locally advanced rectal **cancer patients** …

Cited by: 5　　　Author: Eric Chung, Hye Sun Lee, Eun-Suk Cho, …
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Prognostic value of radiologically determined sarcopenia pri… : …
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1 Introduction. Urologic cancers prevail worldwide. There were estimated 108,450 males and 49,770 females newly diagnosed with urologic cancers, and 33,420 **patients** died in United States in 2019. Currently, TNM staging system is the most widely recognized method to predict the **prognosis** and guide therapy in **cancer patients**.

The prognostic role of inflammatory markers in patients with …
https://pubmed.ncbi.nlm.nih.gov/32142532
Background: In spite of demonstrating **prognostic** and possibly predictive benefit in **retrospective** cohorts and meta-analyses of **cancer** populations, including **colorectal cancer** (CRC), prospective evaluation of the relationship between neutrophil to lymphocyte ratio (NLR) and treatment outcomes in previously untreated mCRC **patients** receiving bevacizumab-based therapy has …

Cited by: 2　　　Author: Stephen John Clarke, Matthew Burge, K…
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Clinical significance of skeletal muscle density and sarcopenia in …
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Jan 18, 2021 · **Sarcopenia and SMD status** can be considered a **prognostic factor in patients with metastatic pancreatic adenocarcinoma** who received **palliative first line** gemcitabine-based **chemotherapy. Severe chemotherapy toxicity occurred in** the **sarcopenia** and low SMD groups.

Prognostic impact of ATM mutations in patients with metastatic …
https://www.nature.com/articles/s41598-019-39525-3?…
ATM gene, encoding a protein involved in DNA damage response, is frequently mutated in **colorectal cancer** (CRC), but its potential **role** as predictive and **prognostic** biomarker has not …

Simplified Prognostic Model in Patients with Oxaliplatin-Based or …
https://theoncologist.onlinelibrary.wiley.com/doi/…
Aug 22, 2011 · The aim of this **study** was (a) to identify **prognostic** factors in **patients** with **metastatic colorectal cancer** receiving an oxaliplatin-based or an irinotecan-based **first-line chemotherapy**, (b) to develop a **prognostic** scoring system based on the identified **prognostic** factors, and (c) to evaluate the efficiency of the previous model in this …

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Aug 01, 2019 · 1. Introduction. The establishment of more effective **chemotherapy** regimens for the treatment of **metastatic colorectal cancer** (mCRC) has launched an intensive search for predictive and **prognostic** factors .Although **colorectal cancer** (CRC) **patients** should be tested for the oncogenes RAS and BRAF mutational analysis and mismatch repair status , stratifying **patients** based on overall ...

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Author: Chul Seung Lee, Daeyoun David Won, S...   Publish Year: 2020

Prognostic value of radiologically determined sarcopenia ...
https://journals.lww.com/md-journal/Fulltext/2019/...

Numerous studies demonstrated that cachexia could significantly worsen **prognosis** in **cancer patients**. Furthermore, cachexia is considered to be important cause **of sarcopenia** in oncological **patients**, which may also partly account for the positive association between **sarcopenia** and poor survival in **patients** with urologic tumors. Overall, close relationships **of sarcopenia** with systematic inflammation, ...

Prognostic impact of myosteatosis in patients with ...
https://onlinelibrary.wiley.com/doi/10.1002/jcsm.12575

This systematic review and meta-analysis demonstrate that myosteatosis measured **in** pre-treatment periods could be used as an independent predictor of worse survival outcomes **in patients** with CRC. **Sarcopenia** has been increasingly recognized not only as a **prognosticator** of adverse outcomes but also as a predictor of post-operative morbidity. 7, 31, 32, 35-37 Even in CRC, the negative impact of **sarcopenia** ...

Cited by: 4   Author: Chan Mi Lee, Jeonghyun Kang
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Clinical significance of skeletal muscle ... - BMC Cancer