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Systemic inflammation in colorectal cancer: Underlying factors, effects, and prognostic significance

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Abstract

Systemic inflammation is a marker of poor prognosis preoperatively present in around 20-40% of colorectal cancer patients. The hallmarks of systemic inflammation include an

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Jul 02, 2014 · Mucinous **adenocarcinoma**. It is of interest that mucinous differentiation exhibited opposed **prognostic effects** depending on **tumor location**: mucinous **histology** was associated independently with poorer outcome for **rectal cancer**, and was an independent protective survival indicator in right-sided **colon cancer**.

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Jun 04, 2015 · Recently, a preoperative **systemic inflammatory** response has been reported to be a **prognostic factor** in patients with **colorectal cancer** (CRC). However, the **prognostic significance of a systemic inflammatory** response in the early stage after surgery in patients with CRC is unknown. The aim of this retrospective study was to evaluate the **prognostic significance of a postoperative systemic** ...

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In this review, we discuss the **prognostic value of various inflammation-based factors** in patients with



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Jul 02, 2014 · Specifically, we refer to the different histological variants of **colorectal cancer** that have been identified, each of these variants carrying distinct **prognostic significance**. Established markers of **adverse outcomes** are lymphatic and venous invasion, as well as perineural invasion, but underreporting still occurs in the routine setting.

Published in: **Cancer management and research** · 2014

Authors: **Nora I Schneider** · **Cord Langner**

Affiliation: **Medical University of Graz**

About: **Text mining** · **Bioinformatics**

Systemic Treatment of Colorectal Cancer - PubMed Central ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2528832>

Colorectal cancer is the fourth most common non-cutaneous malignancy in the United States and the second most frequent cause of **cancer-related death**. Over the past 12 years, significant progress has been made in the **systemic treatment** of this malignant condition. Six new chemotherapeutic agents have ...

Cited by: **460** Author: **Brian M. Wolpin**, **Robert J. Mayer**

Publish Year: 2008

Significance of the inflammation-based prognostic score in ...

<https://www.sciencedirect.com/science/article/pii/S1424390319305745>

May 23, 2019 · It is well known that **systemic inflammatory response** plays an important role in **cancer progression**. With the recognition of the prognostic importance of the **systemic inflammatory response in cancer**, a variety of **inflammation-based prognostic scores** have been developed [, , ,].

Prognostic Significance of Serum Inflammatory Markers in ...

<https://link.springer.com/article/10.1007/s11605-017-3597-5> ▾

Cancer-related inflammation has been termed the 7th hallmark of cancer,³ and the systemic inflammatory response (SIR) measured using cellular (whole white cell counts, **neutrophils**, **lymphocytes**, and **platelets**) and humoral [C-reactive protein (CRP) and albumin] components.

Author: **Arfon Powell**, **Tarig Abdelrahman**, **Chri...** Publish Year: 2017

The prognostic value of systemic inflammation in patients ...

<https://www.nature.com/articles/s41416-018-0095-9>

May 23, 2018 · The **prognostic value of systemic inflammation** in patients undergoing surgery for **colon cancer**: comparison of composite ratios and cumulative scores **Ross D Dolan** ¹ **Stephen T McSorley** ORCID: orcid ...

Cited by: **4** Author: **Ross D Dolan**, **Stephen T McSorley**, **Jam...**

Publish Year: 2018 Author: **Ross D Dolan**



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There is substantial evidence in tumour that the **systemic** immune response of host is a vital independent **prognostic factor**. **Inflammation** in microenvironment promotes tumorigenesis, progression and metastasis . The knowledge of the bilateral influence of **inflammation** and **cancer** was described over a century ago, by Rudolf Virchow . Solid tumors ...

Cited by: 83

Author: Pingping Hu, Hongchang Shen, Guanghu...

Publish Year: 2014

[Systemic inflammation score is a prognostic marker after ...](#)

<https://www.onlinelibrary.wiley.com/doi/full/10.1111/ans.15103>

Mar 10, 2019 · The **systemic inflammation** score (SIS), which is calculated from preoperative serum albumin level and LMR, has been reported to be a **prognostic** marker in clear cell renal cell carcinoma (ccRCC) 16 and **colorectal cancer**. 8 However, the **prognostic** impact of the SIS in GC patients and its superiority to the conventional **prognostic** markers remain ...

[Significance of the inflammation-based prognostic score in ...](#)

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May 23, 2019 · The PNI is considered to be an indicator not only for **systemic inflammation**, but also the patient's nutritional status. Although the **underlying** mechanisms for the **prognostic significance** of PNI in RPC remain unclear, one possible explanation is that **systemic inflammation** response may reflect tumor burden and aggressive behavior.

[Prognostic value of Systemic immune-inflammation index in ...](#)

jcancer.org/v09p3295.htm

Systemic immune-inflammation index (SII), on the basis of lymphocyte, neutrophil and platelet counts had been published to be a good **prognostic factor** in multiple cancers. Nevertheless, the **prognostic** value of SII in **cancer** patients remains inconsistent.

Cited by: 1

Author: Ruonan Yang, Qian Chang, Xianchun Me...

Publish Year: 2018

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https://www.researchgate.net/.../7527613_Inflammation_and_prognosis_in_colorectal_cancer

Inflammation and prognosis in colorectal cancer ... were estimated in 386 colorectal cancer patients. Prognostic significance was analysed by uni- and multivariate analysis. ... of systemic ...

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