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Manuscript Type: ORIGINAL ARTICLE

Retrospective Cohort Study

Neutrophil-to-lymphocyte ratio and CA19-9 as prognostic markers for advanced pancreatic cancer patients receiving first-line chemotherapy

Shin K *et al.* NLR and CA19-9 as prognostic markers

Abstract

BACKGROUND

A decline in serum carbohydrate antigen 19-9 (CA 19-9) levels during systemic chemotherapy is considered as a prognostic marker for patients with advanced pancreatic cancer. Neutrophil-to-lymphocyte ratio (NLR) has been extensively studied as a simple and useful indicator of prognosis in various cancers including pancreatic

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<https://pubmed.ncbi.nlm.nih.gov/26852169>

Background: Recently, several preoperative proinflammatory **markers** and nutritional factors such as neutrophil-to-lymphocyte ratio (NLR) and **prognostic** nutrition index (PNI) have been reported as significant predictor for poor **prognosis** of various malignant tumors. In this study, we evaluated the **prognostic** values of these preoperative parameters in **patients** with resectable **pancreatic head cancer**.

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<https://onlinelibrary.wiley.com/doi/full/10.1002/cam4.204>

Introduction. **Pancreatic cancer** is one of the most lethal malignancies worldwide 1, and most **patients** are diagnosed too late for curative resection. Even with curative resection, disease relapse within 2 years occurs in >80% **patients** 2, 3. Systemic gemcitabine-based **chemotherapy** has long been used as a standard therapy for **patients** with **advanced pancreatic cancer** (APC).

Cited by: 120

Author: Peng Xue, Peng Xue, Masashi Kanai, Yu...

Publish Year: 2014

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Jun 01, 2019 · Background: Monocyte-to-lymphocyte ratio (MLR), neutrophil-to-lymphocyte ratio (NLR), and platelet-to-lymphocyte ratio (PLR) have been reported to be **prognostic markers** in various cancers. However, the **prognostic** value of these inflammatory biomarkers, particularly MLR, in gallbladder cancer remains to be determined. Methods: From 2005 to 2016, 178 **patients** with histologically ...

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Author: Young Hoon Choi, Young Hoon Choi, Jae ...

Publish Year: 2019

[Prognostic value of lymphocyte to monocyte ratio in ...](https://wjso.biomedcentral.com/articles/10.1186/s12957-020-01962-0)

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Jul 25, 2020 · **Pancreatic cancer** (PC) is among the most aggressive malignant tumors and the 7th deadliest type of **cancer** globally with 5-year survival rate of less than 5% []. While acknowledging the increasingly **advanced** research on the diagnosis and treatment, the **prognosis** of PC remains unsatisfactory [2,3,4]. Moreover, despite surgical resection being the first choice in treating **patients** ...

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Prognostic impact of preoperative NLR and CA19-9 in ...

<https://www.sciencedirect.com/science/article/pii/S1424390315006766>

May 01, 2016 · **Prognostic** role of neutrophil-to-lymphocyte **ratio** in **advanced pancreatic** ductal adenocarcinoma: impact of baseline fluctuation and changes during **chemotherapy**. Tumori; 99(4):516–522. Google Scholar

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Author: Tadafumi Asaoka, Atsushi Miyamoto, Saka...

Publish Year: 2016

Neutrophil-to-lymphocyte ratio for predicting palliative ...





<https://onlinelibrary.wiley.com/doi/full/10.1002/cam4.204>

Feb 12, 2014 · Several **markers**, including neutrophil-to-lymphocyte **ratio** (NLR), platelet to lymphocyte **ratio** (PLR), and modified Glasgow **prognostic** score (mGPS), have been proposed to estimate the magnitude of systemic inflammation in **cancer patients** 7-9. Among these **markers**, a growing body of evidence supports the usefulness of NLR in predicting the **prognosis** of **patients** with **cancer**.

Cited by: 122

Author: Peng Xue, Peng Xue, Masashi Kanai, Yukik...

Publish Year: 2014

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May 12, 2017 · Objective: We had previously demonstrated that the **carbohydrate antigen 19-9** (CA19-9), lactate dehydrogenase (LDH), neutrophil lymphocyte **ratio** (NLR) are **prognostic** factors for **patients** with metastatic colorectal **cancer** (mCRC). In this study, we try to analysis the association of these blood-based biomarkers with bevacizumab efficacy in the **first line** setting.

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Author: Chang Jiang, Shousheng Liu, Wenzhuo He, ...

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<https://www.researchgate.net/publication/344278010...>

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<https://link.springer.com/article/10.1007/s12029-019-00316-8> ▾

Nov 01, 2019 · T. M. Bauer et al., **Carbohydrate antigen 19-9** is a **prognostic** and predictive biomarker in **patients** with **advanced pancreatic cancer** who receive gemcitabine-containing **chemotherapy**: a pooled analysis of 6 prospective trials in eng, **Cancer**, vol. 119, no. 2, pp. 285-92, Jan 15 2013, 10.1002/cncr.27734. 9.

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Author: Michael Shusterman, Erin Jou, Andreas Ka...

Publish Year: 2020

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