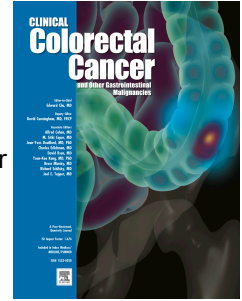


# Accepted Manuscript

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# Peripheral Neutrophil to Lymphocyte Ratio Improves Prognostication in Colon Cancer

Short title: NLR and Colon Cancer survival

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Keywords: Colorectal cancer; neutrophil to lymphocyte ratio, colon cancer survival outcomes

Abbreviations: AJCC: American Joint Committee on cancer; C-index: Concordance Index; dMMR: deficient Mismatch repair; DFS: disease free survival; EMR: electronic medical record; HR: Hazards ratio; MSKCC: Memorial Sloan Kettering Cancer Center; NLR: neutrophil to lymphocyte ratio; OS: overall survival; pMMR: proficient Mismatch repair

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## Clinical Practice Points

- What is already known about this subject?

Prognostication improves by addition of clinicopathologic factors to the current colorectal cancer staging systems. Preoperative Neutrophil to Lymphocyte Ratio (NLR) correlates with poor prognosis and recurrence rate in colorectal cancer.

- What are the new findings?

Preoperative Neutrophil to Lymphocyte Ratio correlates with worse disease-free and overall survival in stage I to III colon but not rectal cancer patients. High NLR was associated with location and grade of the tumor.

- How might it impact on clinical practice in the foreseeable future?

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