

**Name of Journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 59090

**Manuscript Type:** ORIGINAL ARTICLE

*Retrospective Cohort Study*

**Impact factors of lymph node retrieval and survival in locally advanced rectal cancer with neoadjuvant therapy**

lymph node retrieval and survival

## Abstract

### BACKGROUND

Conventional clinical guidelines recommend that at least 12 Lymph nodes should be removed during radical rectal cancer surgery to achieve accurate staging. The current application of neoadjuvant therapy has changed the number of lymph node dissection.

### AIM

The aim of this study was to investigate factors affecting the number of lymph nodes dissected after neoadjuvant chemoradiotherapy in locally advanced rectal cancer and to evaluate the relationship of the total number of retrieved lymph nodes (TLN) with

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## Neoadjuvant Therapy for Rectal Cancer Affects Lymph Node ...

<https://www.ncbi.nlm.nih.gov/pubmed/27956537>

**Neoadjuvant treatment did impact survival**, with chemoradiation demonstrating increased **median overall survival** of 42.7 compared with 37.3 and 26.6 months for **neoadjuvant chemotherapy** and no-neoadjuvant therapy, respectively ( $P<.0001$ ). Patients with a yield of fewer than 12 **lymph nodes** had improved median overall **survival** of 43.3 months compared with 36.6 months in patients with 12 or more **lymph nodes** ...

**Cited by:** 8

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**Publish Year:** 2016

## Prognostic Value of Lymph Node Ratio in Locally Advanced ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4782902>

In conclusion, we showed that LNR, other than the number of **positive nodes** or number of harvested LNs, was an independent **prognostic factor** for **locally rectal cancer** patients who underwent preoperative CRT. The total number of **LN's retrieved** did not affect the prognostic value of the LNR, even if the total was  $<12$ .

**Cited by:** 8

**Author:** Zhi-Gui Zuo, Xiu-Feng Zhang, Hao Wan...

**Publish Year:** 2016

## (PDF) The prognostic impact of neoadjuvant ...

[https://www.researchgate.net/publication/342732244\\_The\\_prognostic\\_impact\\_of...](https://www.researchgate.net/publication/342732244_The_prognostic_impact_of...)

Conclusions: Although neoadjuvant therapy reduces the **lymph node yield** during **surgery** for **locally advanced rectal cancer**, this has no significance on the overall **survival** ...

## Prognostic value of lymph node ratio in survival of ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4512865>

The purpose of our study was to assess the **impact** of metastatic LNR on **survival** in patients with **locally advanced rectal cancer**, especially on OS, DFS, **local** failure and distant metastasis. Huh



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## Neoadjuvant Therapy for Rectal Cancer Affects Lymph Node ...

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## Prognostic Value of Lymph Node Ratio in Locally Advanced ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4782902>

Moreover, more than half of the **rectal cancer** patients have been diagnosed with **locally advanced rectal cancer** (LARC, T3 or T4 tumors and/or positive **lymph nodes** [LNs]) at the time of diagnosis, which poses many challenges to the colorectal surgeons in China.

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## (PDF) The prognostic impact of neoadjuvant ...

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Neoadjuvant chemoradiation **therapy** (**NACRT**) reduces the number of **lymph nodes retrieved** during **surgery**. In this study, we evaluated the **effect** of **NACRT** on **lymph node retrieval** and **prognosis** in...

## Factors Influence Lymph Node Retrieval after Resection for ...

<https://adenocarcinoma.imedpub.com/factors...> ▼

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Including results for impact factors of lymph node retrieval and survival in locally advanced rectal cancer with neoadjuvant **therapy**.

Do you want results only for Impact factors of lymph node retrieval and survival in locally advanced rectal cancer with neoadjuvant therap?

### Prognostic Value of Lymph Node Ratio in Locally Advanced ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4782902>

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Author: Zhi-Gui Zuo, Xiu-Feng Zhang, Hao Wang...

Publish Year: 2016

### Implications of lymph node retrieval in locoregional ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4406634>

In this retrospective study of over 4700 **rectal cancer** patients treated with tri-modality **therapy**, we investigated the prognostic implications of reduced **lymph node retrieval** after **neoadjuvant therapy**. This study corroborates prior studies that show a reduced number of **lymph nodes** retrieved in patients who have received **neoadjuvant** CRT.

Cited by: 9

Author: A. Gill, A. Brunson, Primo N Lara, V. Khat...

Publish Year: 2015

### Prognostic value of lymph node ratio in survival of ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4512865>

The purpose of our study was to assess the **impact** of metastatic LNR on **survival** in patients with **locally advanced rectal cancer**, especially on OS, DFS, **local** failure and distant metastasis. Huh and colleagues 14 analyzed the data from a total of 514 patients who underwent curative surgery for CRC with proven LN metastases. Patients were ...

Cited by: 10

Author: Di Zhou, Ming Ye, Yongrui Bai, Ling Rong...

Publish Year: 2015