



## PREVALENCE OF LYMPHOMA IN STOMACH IN TERTIARY CARE CENTER, BIKANER, RAJASTHAN

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### ABSTRACT

**Background-** Stomach cancer is second most common cancer worldwide. Lymphoma in stomach comprise 4% of all gastric malignancy.

**Method-** Hospital based cross sectional study conducted in dept. of pathology, S.P. Medical College, Bikaner from July 2015 to oct. 2019

**Results-** During 2015, out of 5 malignancies 1 case of lymphoma was found. In 2016, out of 6 malignancies 1 case was found and in 2018, out of 8, 1 case of lymphoma was found.

**Conclusion-** Lymphoma of the stomach is a rare cancer.

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### INTRODUCTION

Stomach cancer is the second most common cancer worldwide.<sup>1</sup>Gastric adenocarcinoma is the second most common cause of death in world. In India, according to national cancer registry, gastric cancer is most common cancer found in men and third most common among women.<sup>2,3</sup>

Adenocarcinoma is most common in incidence. Incidence of gastric lymphoma is common in stomach (4%) next only to carcinoma.<sup>3</sup>

The main histologic subtypes of gastric lymphoma are MALT lymphoma and DLBCL. Age Range is wide with most patients >50 years.<sup>4,5</sup>

### MATERIALS AND METHODS

**Study design:** Hospital based cross sectional study

**Study place:** Dept. of pathology, S.P.Medical College, Bikaner.

**Study duration:** July 2015 to oct. 2019.

**Study type:** Prospective and retrospective hospital-based study

**Study population:** Patients of upper GIT endoscopic biopsies.

**Study unit:** Tissue specimens obtained from study population

**Sample size:** All patients reporting to the pathology department within study duration and eligible as per inclusion criteria were included in the study.

**Source of data:** All the biopsy or surgically excised specimens and reference material submitted to the department of pathology, SPMC, Bikaner for histopathological study during study period.

**Data Analysis:** After entering data into excel worksheet, it was analysed with the help of frequency, proportion, mean.

### RESULTS

**Table 1** Year wise distribution of total gastric malignancies

Year	Total gastric malignancy	Total Lymphoma cases
2015	5	1
2016	6	1
2017	8	0
2018	8	1
2019	7	0

During the year 2015, out of total 14 malignancies 1 case of gastric lymphoma was found; in year 2016 and 2018, out of 16 and 19 malignancies, 1 case in each year was found.

So overall out of 64 cases of gastric malignancy 3 cases (4.68%) of lymphoma were found.

**Table 2** Year wise incidence of gastric malignancy

Year	Total gastric lesions	Total gastric malignancies
2015	12	5
2016	15	6
2017	11	8
2018	18	8
2019	15	7
Total	71	34

Incidence of gastric malignancy in present study is 47.88%.

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## DISCUSSION

Lymphoma is next in incidence to carcinoma amongst gastric tumours.<sup>6,7</sup> Incidence of gastric lymphoma in present study is 4.68% while in Rani *et al*<sup>8</sup> it is 3.8%.<sup>8</sup> Incidence of gastric malignancy in present study is 47.88% which is comparable to study done by Bhat *et al*<sup>9</sup> and Satyanarayan *et al*<sup>10</sup> while in Memon *et al*<sup>11</sup> and Ganga *et al*<sup>12</sup> incidence of gastric malignancy is quite less.

## CONCLUSION

Prevalence of gastric lymphoma is around 3-5%.

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