

Effects of Immunity on the
Gastro duodenal zone in Patients
with Peptic ulcers diseases of the
gastro duodenal zone

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Introduction:

Peptic ulcers still pose a challenge to clinical medicine and require its deeper scientific research. The lesion is commonest in working age people and its frequency remittance results in significant loss of work efficiency. The participation of immune mechanisms in the formation of acid peptic diseases is playing a significant role which should be considered in the treatment procedure of this pathology.

Methods:

The research material was brought 152 cases of peptic ulcer patients and 32 clinically healthy objects as for control trail group. The diagnosis was made by clinical anamnesis, endoscopic material roenterological investigation, immune assay of T & B lymphocytes with animal erythrocytes reactions & PAS Test.

Results:

In patients with gastric ulcers the PAS test was (+) i.e. weakly positive in 50 ± 11 of the cases. A strongly positive PAS Test and reaction for acidic mucopolysaccharidic (+++) was in $5 \pm 5\%$ and $45 \pm 11\%$ of the cases respectively. In patients of young age with disease duration of up to 5 years with hyperacidity acid secretion PAS reaction was (++) & strongly positive (+++) reaction.

During the active phase of ulcers lowering of both PAS reactive test for acidic mucopolysaccharides as well as immunity parameters was noted which was proved statistically significant value. ($P < 0001$)

Conclusion:

- In the active phase of peptic ulcers is characterized by derangement of both cellular & humoral immunity.
- The prove of which lies in low level of lymphocytes.
- A relative decrease in T-lymphocytes level and increasement in B-lymphocytes level and abnormal levels of IgA, IgM and IgG.
- In gastric ulcers the level of IgA and IgM rises with a decrease of Ig levels.
- Whereas in duodenal IgA and IgG levels increase with lowering of IgM levels.

Recommendations:

In order to determine the prognosis of peptic ulcers and to lay out a treatment regimens its of value to investigate immunity parameters particularly cellular & humeral immunity and their population immune levels.



Thank You