soho2023
ELEVENTH ANNUAL MEETING

Helicobacter Pylori and Non-Hodgkin Lymphoma

J.AlChidiac, J.Fadlallah
Hopital Saint-Louis, Paris France

Hôpital Saint-Louis AP-HP

INTRODUCTION

Helicobacter Pylori is a well-known causative agent in gastric MALT and the lymphoma can be cured by treating *H. Pylori*. There are a few cases of association between gastric aggressive lymphoma and *H. Pylori*. We present 2 cases of HIV patients with gastric aggressive non-Hodgkin lymphoma that were cured by treating *H. Pylori*.

CASE 2

30-year-old man was hospitalized for diarrhea, weight loss and general status alteration.
Lab test showed normochromic anemia (hemoglobin: 6.8) and positive HIV 5.2 log.
Thoraco-abdomino pelvic scanner showed suspicious gastric lesions.
Gastroscopy was performed, and biopsies showed the presence of *H. Pylori* and diffuse large B cell lymphoma.
Eradication of *H. Pylori* was done with pylera; Gastroscopy with biopsies was repeated after one month that showed the absence of *H. Pylori* and lymphoma.

CASE 1

54-year-old man found to have acute renal insufficiency, HIV infection, and normocytic hypochromic anemia.
Renal biopsy showed acute mesangial proliferative IgA glomerulonephritis with acute tubular necrosis.
Esophageal gastric endoscopy showed diffuse esophagitis and gastritis.
Biopsy was in favor of plasmablastic lymphoma (CD20- CD45+ CD30+ CD138- CD79+ partially, PAX5 EBER+ monotype of Kappa) and the presence of *H. Pylori*.
Flow cytometry was normal; bone marrow aspirate and flow cytometry were negative.
H. Pylori was eradicated by 4 drugs: amoxicillin, clarithromycin, metronidazole, and proton pump inhibitor .
Gastric endoscopy was repeated after 1 month, and biopsies showed the absence of *H. Pylori* and lymphoma.

CONCLUSION

There are a few cases of association between H. pylori and aggressive non Hodgkin lymphoma.
In the 2 cases presented above the Lymphoma was cured by treating the Helicobacter Pylori.
Eradicating H. Pylori should be a priority when it is associated with lymphoma and further studies are needed to prove if there is a clear association between this bacterium and all types of gastric Lymphoma.