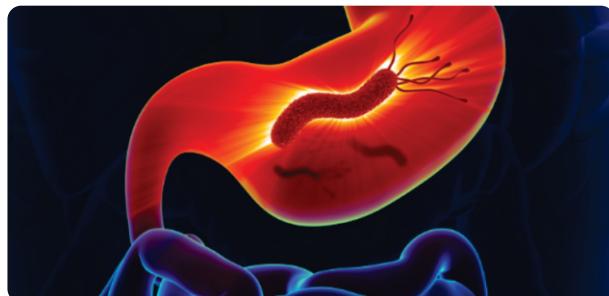
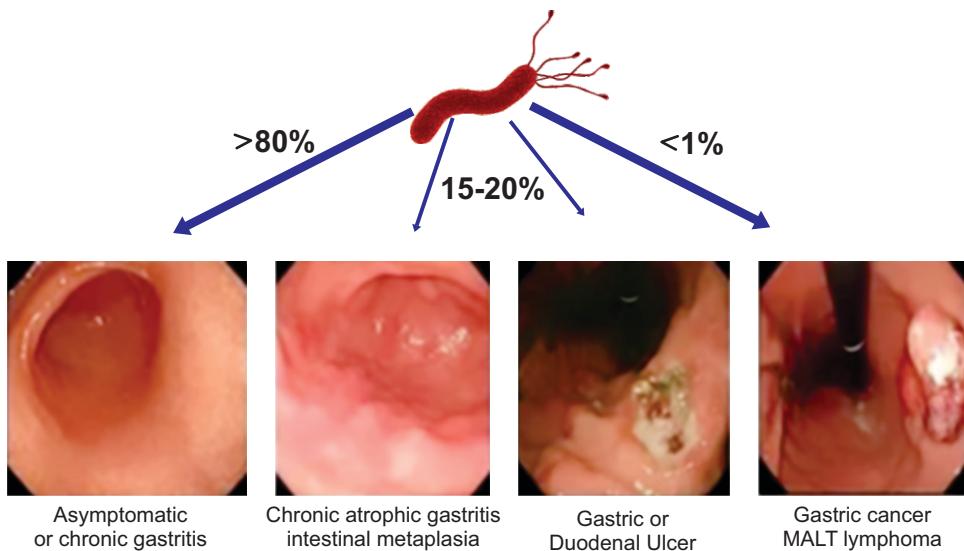


# H-PYLO<sup>R</sup>I

( *Helicobacter Pylori* )



Heal Your Gut  
**Naturalfy**  
for the Hell of  
**H-PYLORI**

**WH**  
INTERNATIONAL

# PYLOSAN TABLETS ANTI-H-PYLORI

## INTRODUCTION

During the last years, researchers have performed a number of experimental studies on various plants to evaluate their anti-ulcer and anti-*H. Pylori* activities and to discover the bioactive compounds although most of them were done in vitro. For instance, it was revealed that flavonoid (especially quercitin) have anti-secretary, anti-inflammatory, antioxidant and anti-histaminic effect. Other phenolic compounds such as quinones (cytoprotective) and phenolic glycosides (anti-secretary) was reported as gastro protective factors.

Likewise, terpenoides as anti-ulcer composition with cytoprotective activity, enhance the production of mucus in the stomach. Furthermore, saponins have anti-secretary mechanism of action. In addition to these, it is demonstrated that plant glycyrrhiza and others can have a significant effect on treatment of peptic ulcer disease through their cytoprotective and an anti-*H. pylori* activities.

Antibiotic resistance and degradation by the acidic stomach environment is presently a remarkable issue. According to the mentioned results and on this basis it is believed that the anti-ulcer and the gastro protective properties of several medicinal herbs potentially have positive effects on treatment of *H. pylori* and its complications in humans.

## MODE OF ACTION

- Mucosal membrane protection.
- Urease inhibitor.
- Inhibition of DNA synthesis.
- Anti-ulcer activity.
- Antibiotic effect.
- Eradication of *H. Pylori*.
- Anti-adhesive activity.

## MASTER FORMULATION

Hydrastis canadensis Q

Glycyrrhiza Q

Bergenia ciliata Q

Sangonaria canadensis Q

Symphytum (comfrey root) Q

Bismuth subnitricum 1x

# THERAPEUTIC VALUES OF PLANT USED FOR ANTI H.PYLORI

## HYDRASTIS CANADENSIS:

Clarke and Boerichae mention the homeopathic usefulness of hydrastine the active constituent of hydrastis canadensis in cancer, aphthae, sore mouth and in ulcer. It contains most active isoquinoline alkaloids (berberine and hydrastine) having antimicrobial activities. It inhibits bacterial efflux pumps and nucleic acid synthesis.

## GLCYRRHIZA GLABRA +

## HYDRASTIS CANADENSIS

### (Dual combination therapy)

Water extracts of glycyrrhiza root containing polysaccharide show anti-adhesive activities. Glycyrrhetic acid a component of glycyrrhiza potentiate the growth-inhibitory activity of the alkaloid berberine, a major constitute of golden sheep (hydrastis canadensis).

## SANGONARIA CANADENSIS

### (Alternative dual therapy)

Traditionally, extracts of sangonaria canadensis was implied as homeopathic therapy. It is known that sangonarine a benzophenanthridine alkaloid derived from root of S. canadensis. Recent studies indicate that berberine and sangonarine are Potent inhibitors of DNA synthesis (repair and replication)- the likely mechanism for their anti-viral effect. Isoquinoline alkaloids, namely sanguinarine, chelerythrine and protopine inhibited the growth of the bacterium (H. Pylori) with MIC-50 values of 50-100  $\mu$ g/ml.

## BISMUTH SUBNITRICUM (PRECIPITATED SUBNITRATES OF BISMUTH)

In homeopathy the chief action of the drug is in eradication and catarrhal inflammation of the GIT. Bismuth salt eradicates H. pylori and this may be the action which is responsible for ulcer healing. It has strong affinity for mucosal glycoprotein's, especially in the necrotic tissue of the ulcer crater. Bismuth salt has been used for medical purposes for more than 200 years. It has mucosal protectant act.

## BERGENIA CILIATA

Aqueous extract of rhizomes were showed the presence of bergenin. The alcoholic extract of the rhizome showed a wide spectrum of concentration dependent antibacterial activity of B. Ciliata, at a concentration of 200-1000 $\mu$ g per disc. This activity is also confirmed in aqueous effect of crude drug. Bergenin has cytoprotective effects conferred by enhancement of mucosal barrier rather than by prevention of gastric acid secretion or by lowering the PH and acidity.

## SYMPHYTUM

In homeopathy the root contains a crystalline solid that stimulate the growth of epithelium on ulcerated surfaces. It may be administered for the treatment of gastric and duodenal ulcer. Allantoin in symphytum increases cell proliferation, which account for its rapid healing power. Herb of highest content of mucilage having demulcent and anti-bleeding effect.

## TREATMENT TIME

7-30 days maintenance therapy or as advised by the registered medical practitioner.



## DOSAGE:

**First week:** One tablet 3 times a day.

**Second Week:** One tablet 2 times a day.

**Third Week and onward:** One tablet daily.

## CONCLUSION

Pylosan Tablets/Suspension/Elixir are excellent combination of different herbs with antibiotic activity, anti-secretory, inhibitor of DNA synthesis, Mucosal protectant, Anti-adhesive, Rapid healing power with excellent results and limited chances of recurrent of the disease.

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