



Proton-Pump Inhibitors (PPIs)

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Message from the Guest Editor

Proton-pump inhibitors (PPIs) are used by up to 10% of the population in Western countries. They virtually take away a biological function, the production of acidic gastric juice. Normally, gastric acidity is maintained by the *Helicobacter pylori* regulated release of gastrin from the G cell. Drug-induced hypoacidity induces hypergastrinemia. Gastrin stimulates the ECL cell to release histamine and to proliferate. Based on old animal studies, there has been a fear that long-term profound acid inhibition would also induce gastric neoplasia in humans. In recent years, there have been reports substantiating this view. The present issue of the *International Journal of Molecular Sciences* will explore all facets related to the safety of PPIs.





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Message from the Editor-in-Chief

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