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**Columns:** EDITORIAL

**3** Changes in the esophageal mucosa of patients with non erosive reflux disease: How far have we gone?

Christos Triantos, Nikolaos Koukias, Georgios Karamanolis, Konstantinos Thomopoulos

**Abstract**

The normal esophageal mucosa creates a protective epithelial barrier that constrains the

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Traditionally, **GERD has been** considered to represent a spectrum of **disease** based ... However, as **we** will soon see, the process of symptom generation and ... **patients** is **much** more complex and is **not** solely determined by the presence of ... **changes in the esophageal mucosa** of NERD **patients**, less than 10% to 20% of ...

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... or reflux (in babies and young children) is a chronic symptom of **mucosal** ... In healthy **patients**, the "Angle of His"—the angle at which the **esophagus** enters ...



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2010年1月31日 - Keywords: **Nonerosive reflux disease**, Gastroesophageal reflux ...  
**We** proposed that NERD should be defined as the presence of typical .... The level of  
**esophageal** acid exposure in NERD **patients has been** examined by Martinez et al. ....  
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2013年6月13日 - Gastroesophageal **reflux disease (GERD)** **has been** defined in the  
Montreal ... The latter group of **GERD patients** is considered to **have nonerosive**  
**reflux** ... in the pathophysiology **we** review include the pattern of **mucosal** response ....  
This study **has** shown several subtle **changes in the esophageal mucosa** ...

### Focused Clinical Review: Nonerosive Reflux Disease ...

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However, as **we** will soon see, the process of symptom generation and ... **patients** is