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Barrett's esophagus: current and future role of ...

<https://pubmed.ncbi.nlm.nih.gov/15230723>

This paper reviews the role of endosonography and optical coherence tomography (OCT) for imaging of Barrett's esophagus (BE). The routine use of endoscopic ultrasound (EUS) to screen patients with BE is neither justified nor cost effective. EUS does appear to have a role in patients who have BE and ...

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Publish Year: 2004

Optical coherence tomography in Barrett's esophagus

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Studies to date show great promise for optical coherence tomography (OCT) in screening, surveillance, and guiding management of Barrett's esophagus. With continued innovation in rapid, accurate scanning systems, such as volumetric laser endomicroscopy or optical frequency domain imaging, advanced OCT seems likely to have an important impact.

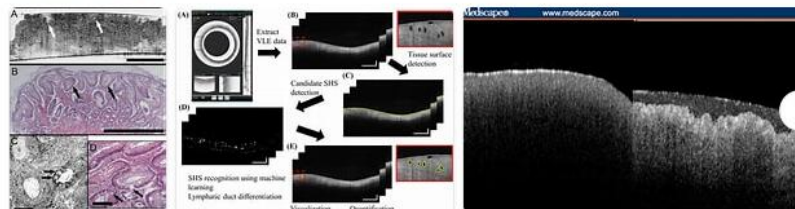
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Publish Year: 2013

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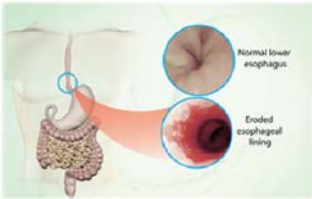
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Barrett's Esophagus
Medical Condition



The diagram illustrates the anatomical location of the esophagus and the specific changes in Barrett's Esophagus. It shows a cross-section of the esophagus with a blue circle highlighting the lower portion. Two circular insets provide a closer look: the top inset shows the 'Normal lower esophagus' with a smooth, pinkish lining, while the bottom inset shows the 'Eroded esophageal lining' which is irregular, red, and inflamed. The main diagram also shows the stomach and the diaphragm, with the esophagus passing through the diaphragm into the stomach.


Abnormal change of the cells present in the lower portion of the esophagus (food pipe) due to acid reflux, which causes the lining to thicken and inflamed.

- Very common (More than 3 million cases per year in US)
- Often requires lab test or imaging
- Treatable by a medical professional

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Nikhil Gupta, Raghav Yelamanchi, Himanshu Agrawal, Nitin Agarwal

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Optical coherence tomography in Barrett's esophagus: the ...

<https://www.ncbi.nlm.nih.gov/pubmed/20152306>

Optical coherence tomography in Barrett's esophagus: the road to clinical utility. Peery AF, Shaheen NJ. Comment on Gastrointest Endosc. 2010 Feb;71(2):223-30.

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Author: Anne F. Peery, Nicholas J. Shaheen

Publish Year: 2010