

Name of Journal: *World Journal of Gastroenterology*

Manuscript No: 45869

Manuscript Type: MINIREVIEWS

**Esophageal diverticulum: New perspectives in the era of minimally invasive endoscopic treatment**

Sato H *et al.* Up-to-date review of esophageal diverticulum

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### Abstract

Esophageal diverticula are rare conditions that cause esophageal symptoms, such as dysphagia, regurgitation, and chest pain. They are classified according to their location and characteristic pathophysiology into three types: epiphrenic diverticulum, Zenker's diverticulum, and Rokitansky diverticulum. The former two disorders take the form of protrusions, and symptomatic cases require

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作者: A Aiolfi - 2015 - 被引用次数: 27 - 相关文章

2015年2月16日 - Developments in **minimally invasive** surgery and **new** endoscopic devices ... The concept of dividing the septum between the **esophagus** and the pouch ... of **minimally invasive endoscopic management** of Zenker **diverticulum**.

缺少字词: perspectives era

### Esophageal surgery in minimally invasive era - NCBI - NIH

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作者: L Bencini - 2016 - 被引用次数: 15 - 相关文章

Core tip: **Minimally invasive** surgery for esophageal diseases is very ... of a **minimally invasive (endoscopic, thoraco-laparoscopic and robotic)** approach could ..... From a comprehensive point of **view**, the fundamental esophageal cancer cure ..... through laparoscopy: a **new** option to **treat** epiphrenic **esophageal diverticula**?

### Esophageal surgery in minimally invasive era. - NCBI

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作者: L Bencini - 2016 - 被引用次数: 15 - 相关文章

2016年1月27日 - **Esophageal** surgery in **minimally invasive era**. ... The widespread popularity of **new** surgical technologies such as laparoscopy, thoracoscopy and robotics has led many surgeons to **treat esophageal** diseases with these methods. ... in a **minimally invasive** way, including **diverticula**, gastro-**esophageal** reflux ...

缺少字词: perspectives

### Endoscopic management of Zenker's diverticulum Dhaliwal HS, Sinha

...

[www.jdeonline.in/article.asp?issn=0976-5042;year=2015;...6;...](http://www.jdeonline.in/article.asp?issn=0976-5042;year=2015;...6;...) ▾ 翻译此页

作者: HS Dhaliwal - 2015 - 被引用次数: 5 - 相关文章

2015年6月23日 - Click here to **view** optimized website for mobile devices ... Barium swallow revealed a pharyngo-**esophageal diverticulum**, and upper .... to **less invasive** transoral **endoscopic** techniques (rigid and flexible) ... Ramchandani M, Nagachwar Reddy D. **New endoscopic**



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作者: A Aiolfi - 2015 - 被引用次数: 29 - [相关文章](#)

2015年2月16日 - Developments in **minimally invasive** surgery and **new endoscopic** devices have led to a paradigm change. The concept of dividing the septum between the **esophagus** and the ... The **management** of Zenker **diverticulum** is far from being ..... AND FUTURE **PERSPECTIVES** OF TRANSORAL PROCEDURES.

缺少字词: era

## Endoscopic treatment of a mid-esophageal diverticulum. - NCBI

<https://www.ncbi.nlm.nih.gov/pubmed/15280983> - [翻译此页](#)

作者: D Schubert - 2004 - 被引用次数: 9 - [相关文章](#)

Mid-**esophageal diverticulum** is a medical rarity. Only patients in whom the condition is symptomatic should receive **treatment**. **Minimally invasive** surgery via a ...

缺少字词: New perspectives era

## (PDF) New and emerging techniques for endoscopic treatment of ...

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2018年11月20日 - been the mainstay of ZD **treatment**, **minimally invasive** flexible ... described an **esophageal diverticulum** occurring as a result. of 'forces .... and reduced fasting **period**. 51 .....

Myotomy with a flexible tool and needle knife (from the **perspective** of **treatment** of Zenker's diverticulum) was successful in all cases.

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### Current status of minimally invasive endoscopic management for ...

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作者: A Aiolfi - 2015 - 被引用次数: 29 - 相关文章

2015年2月16日 - Developments in **minimally invasive** surgery and **new** endoscopic devices ... The concept of dividing the septum between the **esophagus** and the pouch ... of **minimally invasive endoscopic management** of Zenker **diverticulum**.

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### (PDF) Esophageal surgery in minimally invasive era - ResearchGate

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The expected benefits of **minimally invasive** surgery (MIS) mainly include ... and advanced pure **endoscopic** procedures; such a ..... a **new** option to **treat** epiphrenic **esophageal diverticula**? ..... Myotomy with a flexible tool and needle knife (from the **perspective** of **treatment** of Zenker's diverticulum) was successful in all ...

### Esophageal surgery in minimally invasive era

<https://www.wjgnet.com/1948-9366/full/v8/i1/52.htm> ▼ 翻译此页

作者: L Bencini - 2016 - 被引用次数: 16 - 相关文章

2016年1月27日 - The widespread popularity of **new** surgical technologies such as ... Core tip: **Minimally invasive** surgery for esophageal diseases is very attractive ... with alternative pharmaceutical or **endoscopic treatments**. .... From a comprehensive **point of view**, laparoscopic surgery for ... **ESOPHAGEAL DIVERTICULA**.