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Name of Journal: *World Journal of Gastrointestinal Oncology***Manuscript NO:** 61434**Manuscript Type:** ORIGINAL ARTICLE**Prospective Study**

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Gastrointestinal function testing model using a new laryngopharyngeal pH probe (Restech) in patients after Ivor-Lewis esophagectomyBabic B *et al.* Further validation of Restech pH-metry

Benjamin Babic, Dolores T Müller, Florian Gebauer, Lars M Schiffmann, Rabi R Datta,

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Wolfgang Schröder, Christiane J Bruns, Jessica M Leers, Hans F Fuchs

Abstract**BACKGROUND**

There is no established correlation between 24-h esophageal pH-metry (Eso-pH) and the new laryngopharyngeal pH-monitoring system (Restech) as only small case series exist. Eso-pH was not designed to detect laryngopharyngeal reflux (LPR) and Restech may

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In this **human reflux model**, esophageal pH metry correlated well with **laryngopharyngeal pH metry** (94%). Fig.1 Restech Device, intraoral placement. Conclusion: **Patients** following **esophagectomy** and reconstruction with gastric interposition do ideally serve as a **human reflux model**. Interestingly, **laryngopharyngeal reflux** phases occur mainly in the ...

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Feb 21, 2017 · Refluxassociated injury of the remnant esophagus after Hybrid Ivor Lewis esophagectomy – Gastrointestinal Function Testing Using the new laryngopharyngeal PH Probe (Restech) in a human reflux model. H. Fuchs 1, S. Brinkmann 1, D. Müller 1, M. Maus 1, F. Berth 1, M. Bludau 1, W. Schröder 1, C. J. Bruns 1, J. M. Leers 1. 1 Uniklinik Köln ...

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Jessica LEERS | Consultant | Prof. Dr. med. | University ...

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Refluxassociated Injury of the Remant Esophagus after Esophagectomy and Gastrointestinal Function Testing using the New Laryngopharyngeal pH Probe in a Human Reflux Model ... after Ivor-Lewis ...

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24-hour esophageal pH-metry is not designed to detect **laryngopharyngeal reflux** (LPR). The new **laryngopharyngeal pH-monitoring system** (Restech) may detect LPR better.

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Mar 08, 2018 · 24-hour esophageal **pH-metry** is not designed to detect **laryngopharyngeal** reflux (LPR). The new **laryngopharyngeal pH-monitoring system (Restech)** may detect LPR better. There is no established correlation between these two techniques as only small case series exist.

Cited by: 12 **Author:** H F Fuchs, D T Müller, F Berlth, M K Maus, ...
Publish Year: 2018 **Estimated Reading Time:** 3 mins

(PDF) Pepsin and oropharyngeal pH monitoring to diagnose ...

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Methods: We selected 57 **patients** with clinical symptoms and signs of **laryngopharyngeal** reflux who underwent 24-hour multichannel intraluminal impedance-**pH** (24h MII-**pH**) monitoring **tests**, and 12 ...

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Feb 21, 2017 · **Patients following esophagectomy** and reconstruction **with** gastric interposition do ideally serve as a human **reflux model**. Interestingly, **laryngopharyngeal reflux** phases occur mainly in the upright position. Further validation of the **laryngopharyngeal pH-Metry** seems possible **with** further constant recruitment of **patients** in this study.

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Refluxassociated Injury of the Remant Esophagus **after Esophagectomy** and **Gastrointestinal Function Testing using the New Laryngopharyngeal pH Probe** in a Human Reflux Model ... **after Ivor-Lewis** ...

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Patients that underwent hybrid **Ivor Lewis esophagectomy** can ideally serve as a human reflux **model** as they all have a restricted barrier **function** and a malfunction of the esopgahus motility, so that we are able to investigate the funtional changes in the esopgahus with those **patients**.

Laryngopharyngeal reflux

Retrograde Flow

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Laryngopharyngeal reflux is the retrograde flow of gastric contents into the larynx, oropharynx and/or the nasopharynx. LPR causes respiratory symptoms such as cough and wheezing and is often associated with head and neck complaints such as dysphonia, globus pharyngis, and dysphagia. LPR may play a role in other diseases, such as sinusitis, otitis media, and rhinitis, and can be a comorbidity of asthma. While LPR is commonly used interchangeably with gastroesophageal reflux disease, it presents with a different pathophysiology.

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