

# Accepted Manuscript

Abdominal Compression by Waist Belt Aggravates Gastroesophageal Reflux, primarily by Impairing Esophageal Clearance

David R. Mitchell, Mohammad H. Derakhshan, Angela A. Wirz, Stuart A. Ballantyne, Kenneth E.L. McColl

PII: S0016-5085(17)30231-7  
DOI: [10.1053/j.gastro.2017.02.036](https://doi.org/10.1053/j.gastro.2017.02.036)  
Reference: YGAST 61027

To appear in: *Gastroenterology*  
Accepted Date: 24 February 2017

Please cite this article as: Mitchell DR, Derakhshan MH, Wirz AA, Ballantyne SA, McColl KEL, Abdominal Compression by Waist Belt Aggravates Gastroesophageal Reflux, primarily by Impairing Esophageal Clearance, *Gastroenterology* (2017), doi: 10.1053/j.gastro.2017.02.036.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



**Main Title**

**Abdominal Compression by Waist Belt Aggravates Gastroesophageal Reflux, primarily by Impairing Esophageal Clearance**

**Short Title:**

**Waist belt impairs esophageal clearance**

**David R Mitchell<sup>1</sup>, Mohammad H Derakhshan<sup>1</sup>, Angela A Wirz<sup>1</sup>,  
Stuart A Ballantyne<sup>2</sup>, Kenneth E.L. McColl<sup>1</sup>**

<sup>1</sup>Section of Gastroenterology, Institute of Cardiovascular & Medical Sciences, University of Glasgow, Glasgow, UK

<sup>2</sup>Department of Clinical Radiology, NHS Greater Glasgow & Clyde, Glasgow, UK

**CORRESPONDING AUTHOR:**

**Prof Kenneth E.L. McColl,  
Institute of Cardiovascular & Medical Sciences,  
University of Glasgow,  
126 University Place, Glasgow, G12 8TA, UK  
Email: Kenneth.mccoll@glasgow.ac.uk**

**AUTHOR DISCLOSURES:**

None to declare.

**AUTHOR CONTRIBUTIONS:**

**DRM:** Clinical investigations, manometry, pHmetry, data analysis and drafting manuscript.

**MHD:** Data analysis and drafting manuscript.

**AAW:** Recruitment of volunteers and assisting clinical investigations.

**SAB:** Radiological assessment.

**KELM:** Conception of original idea, drafting manuscript and overall supervision.

Financial support

The study was supported by a grant from the Western Infirmary Gastroenterology custodian fund.

**Abbreviations used in this paper: WC, Waist circumference; BMI, Body mass index; LES, Lower esophageal sphincter; TLESRs, Transient lower esophageal sphincter relaxations; GERD, Gastroesophageal reflux disease; PPIs, Proton pump inhibitors; GEPG, Gastroesophageal pressure gradient; IGP, Intra-gastric pressure**

Download English Version:

<https://daneshyari.com/en/article/5658347>

Download Persian Version:

<https://daneshyari.com/article/5658347>

[Daneshyari.com](https://daneshyari.com)