

## Given Imaging Literature Reviews on Esophageal HRM

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Document number	Article name	Authors	Year	Free on internet ?	Take-home message	Use this article to document:
5-000-985	High-resolution manometry in clinical practice: utilizing pressure topography to classify oesophageal motility abnormalities	J. E. Pandolfino, M. R. Fox, A. J. Bredenoord, and P.J. Kahrilas	2009	Yes	Chicago Classification is a comprehensive characterization of distal HRM data. Incomplete EGJ relaxation is an essential feature to diagnose achalasia.	* <b>Chicago Classification</b> with ManoScan HRM catheter * <b>advantages of HRM</b> in clinical practice
5-000-986	Weak peristalsis in esophageal pressure topography: classification and association with Dysphagia	Roman S, Lin Z, Kwiatek MA, Pandolfino JE, Kahrilas PJ	2011	Yes	Classification of weak peristalsis is best done with HRM using the 20mmHg isobaric contour. Classification according to the size of breaks. Impedance-HRM was just used as research tool to document this conclusion.	* <b>advantages of HRM</b> in weak peristalsis * <b>limited advantages in clinical practice adding Impedance to HRM</b>
5-001-117	Has high-resolution manometry changed the approach to esophageal motility disorders?	Ajay Bansal and Peter J. Kahrilas	2010	Yes	HRM allows the clinician to confidently diagnose esophageal disorders such as achalasia, direct therapy and predict outcomes	* <b>advantages of HRM</b> in treatment success
5-001-118	High resolution manometry to detect transient lower oesophageal sphincter relaxations: diagnostic accuracy compared with perfused-sleeve manometry, and the definition of new detection criteria	Roman S, Zerbib F, Belhocine K, des Varannes SB, Mion F.	2011	No	For pharmacological evaluation on GERD, HRM is the best tool to detect Transient LES Relaxations (TLESR's).	* <b>advantages of HRM</b> in research
5-001-141	High-resolution manometry and impedance-pH/manometry: novel techniques for the advancement of knowledge on esophageal function and their clinical role	C. Ciriza-de-los-Ríos and F. Canga-Rodríguez-Valcárcel	2009	Yes	- Compared to conventional manometry HRM is easier, faster and more sensitive - Clinical usefulness of impedance-HRM is limited - pH-Z monitoring can explain symptom refractoriness in patients on PPI's and patients with atypical symptoms	* <b>advantages of HRM</b> in clinical practice * <b>limited advantages in clinical practice adding Impedance to HRM</b> * <b>clinical usefulness of pH-Z monitoring</b>