

SIGNIFICANT IMPROVEMENT OF LARYNGOPHARYNGEAL REFLUX SYMPTOMS AFTER LAPAROSCOPIC HILL HIATAL HERNIA REPAIR; A PROSPECTIVE STUDY

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ABSTRACT:

Many patients with proven gastroesophageal reflux disease (GERD) also suffer laryngopharyngeal reflux (LPR) symptoms of hoarseness, chronic cough, globus, and chronic sore throat. 153 patients with proven GERD underwent laparoscopic Hill hiatal hernia repair. Questionnaire data from pre-op, and average 20 months post-op was analyzed. In follow-up of 95% of patients, laryngopharyngeal symptoms were as likely to respond to surgery as typical GERD symptoms. Improvement to surgical treatment has not previously been reported.

GERD Symptoms before Surgery and after Surgery

Symptom: rated 3 or 4	Pre-op #	Post-op # (%)	Total without symptom	Calculated P-Value
Bloating	73	14 (19%)	59 (81%)	<0.01
Dysphagia	44	6 (14%)	38 (86%)	<0.01
Regurgitation	102	9 (9%)	93 (91%)	<0.01
Stomach Pain	86	5 (6%)	81 (94%)	<0.01
Sleep Loss	97	6 (6%)	91 (94%)	<0.01
Acid Taste	75	4 (5%)	71 (95%)	<0.01

Laryngopharyngeal Symptoms (LPS) before and after Surgery

Symptom: rated 3 or 4	Pre-op #	Post-op # (%)	Total without symptom	Calculated P-Value
Globus	54	6 (11%)	48 (89%)	<0.01
Hoarse Voice	36	4 (11%)	32 (89%)	<0.01
Odynophagia	84	8 (10%)	76 (90%)	<0.01
Sore Throat	62	5 (8%)	57 (92%)	<0.01
Cough	60	5 (8%)	55 (92%)	<0.01

LPR Chief Complaint Symptom Frequency after Surgery

Chief Complaint	N	Never (%)	Sometimes (%)	Comi
Cough	14 (10%)	11 (79%)	2 (14%)	1 (7%
Globus	11 (7%)	9 (82%)	1 (9%)	1 (9%
Voice Loss	3 (2%)	3 (100%)	0	0
Sore Throat	10 (7%)	8 (80%)	2 (20%)	0