

[Yadlapati R, Vaezi MF, Vela MF, et al. Management options for patients with GERD and persistent symptoms on proton pump inhibitors: recommendations from an expert panel. Am J Gastroenterol. 2018 Apr 24.](#)

**Supplemental Tables. Rankings for appropriateness of each scenario according to hypothetical patient scenario in Round 2 and Round 3.**

<b>Scenario 1: Breakthrough Acid, Large Hiatal Hernia</b>							
	<b>Round 2</b>			<b>Round 3</b>			<b>Mean Bench-mark (SD)</b>
	<b>Mean (SD)</b>	<b>Median (Range)</b>	<b>Highest Agreement</b>	<b>Mean (SD)</b>	<b>Median (Range)</b>	<b>Highest Agreement</b>	
Additional anti-reflux measures	7.9 (1.1)	8 (5-9)	Appropriate (93%)	9.0 (0.0)	9 (9-9)	Appropriate (100%)	95.0% (6.9)
Laparoscopic fundoplication	8.1 (0.9)	8 (7-9)	Appropriate (100%)	8.7 (0.6)	9 (7-9)	Appropriate (100%)	
Transoral incisionless fundoplication	3.3 (2.6)	2 (1-9)	Inappropriate (71%)	1.6 (1.2)	1 (1-5)	Inappropriate (92%)	
Magnetic sphincter augmentation	4.8 (2.7)	5 (1-9)	Equivocal (43%)	4.3 (1.9)	5 (1-7)	Equivocal (54%)	
Radio-frequency delivery	2.0 (1.9)	1 (1-8)	Inappropriate (93%)	1.2 (0.4)	1 (1-2)	Inappropriate (100%)	

<b>Scenario 2: Breakthrough Acid, Small or No Hiatal Hernia</b>						
	<b>Round 2</b>			<b>Round 3</b>		
	<b>Mean (SD)</b>	<b>Median (Range)</b>	<b>Highest Agreement</b>	<b>Mean (SD)</b>	<b>Median (Range)</b>	<b>Highest Agreement</b>
Additional anti-reflux measures	7.9 (1.0)	8 (6-9)	Appropriate (93%)	8.7 (0.8)	9 (7-9)	Appropriate (100%)
Laparoscopic fundoplication	6.9 (1.4)	7 (4-9)	Appropriate (71%)	7.8 (0.8)	8 (7-9)	Appropriate (100%)
Transoral incisionless fundoplication	4.2 (2.3)	4 (1-8)	Equivocal (43%)	4.2 (1.8)	4 (1-6)	Equivocal (69%)
Magnetic sphincter augmentation	6.4 (2.4)	7.5 (1-8)	Appropriate (64%)	6.8 (1.5)	7 (3-9)	Appropriate (77%)
Radiofrequency delivery	2.5 (2.0)	2 (1-8)	Inappropriate (79%)	2.0 (1.9)	1 (1-8)	Inappropriate (92%)

<b>Scenario 3: Reflux Sensitivity, Large Hiatal Hernia, Heartburn</b>						
	<b>Round 2</b>			<b>Round 3</b>		
	<b>Mean (SD)</b>	<b>Median (Range)</b>	<b>Highest Agreement</b>	<b>Mean (SD)</b>	<b>Median (Range)</b>	<b>Highest Agreement</b>
Additional anti-reflux measures	5.5 (2.4)	5 (2-9)	Equivocal (43%)	6.4 (1.9)	6 (3-9)	Equivocal & Appropriate (46% each)
Laparoscopic fundoplication	5.5 (2.4)	6 (1-8)	Equivocal & Appropriate (43% each)	3.5 (2.2)	4 (1-7)	Inappropriate & Equivocal (46% each)
Transoral incisionless fundoplication	2.2 (1.4)	2 (1-5)	Inappropriate (86%)	1.6 (0.9)	1 (1-4)	Inappropriate (92%)
Magnetic sphincter augmentation	3.5 (2.2)	3.5 (1-7)	Inappropriate (50%)	2.0 (1.7)	1 (1-6)	Inappropriate (85%)
Radiofrequency delivery	1.7 (1.1)	1 (1-5)	Inappropriate (93%)	1.2 (0.4)	1 (1-2)	Inappropriate (100%)

<b>Scenario 4: Reflux Sensitivity, Large Hiatal Hernia, Regurgitation</b>						
	<b>Round 2</b>			<b>Round 3</b>		
	<b>Mean (SD)</b>	<b>Median (Range)</b>	<b>Highest Agreement</b>	<b>Mean (SD)</b>	<b>Median (Range)</b>	<b>Highest Agreement</b>
Additional anti-reflux measures	5.5 (2.4)	5 (2-9)	Equivocal (43%)	8.2 (0.7)	8 (7-9)	Appropriate (92%)
Laparoscopic fundoplication	5.5 (2.4)	6 (1-8)	Equivocal & Appropriate (43% each)	7.2 (1.2)	7 (5-9)	Appropriate (69%)
Transoral incisionless fundoplication	2.2 (1.4)	2 (1-5)	Inappropriate (86%)	2.5 (1.5)	2 (1-5)	Inappropriate (77%)
Magnetic sphincter augmentation	3.5 (2.2)	3.5 (1-7)	Inappropriate (50%)	3.3 (2.3)	3 (1-7)	Inappropriate (62%)
Radiofrequency delivery	1.7 (1.1)	1 (1-5)	Inappropriate (93%)	1.1 (0.3)	1 (1-2)	Inappropriate (100%)

<b>Scenario 5: Reflux Sensitivity, Small or No Hiatal Hernia, Heartburn</b>						
	<b>Round 2</b>			<b>Round 3</b>		
	<b>Mean (SD)</b>	<b>Median (Range)</b>	<b>Highest Agreement</b>	<b>Mean (SD)</b>	<b>Median (Range)</b>	<b>Highest Agreement</b>
Additional anti-reflux measures	5.1 (2.7)	5 (1-9)	Equivocal (50%)	5.6 (2.9)	6 (1-9)	Appropriate (38%)
Laparoscopic fundoplication	4.0 (2.3)	4 (1-8)	Inappropriate & Equivocal (46% both)	2.4 (1.5)	2 (1-5)	Inappropriate (77%)
Transoral incisionless fundoplication	3.1 (1.9)	2.5 (1-6)	Inappropriate (57%)	1.4 (0.9)	1 (1-4)	Inappropriate (92%)
Magnetic sphincter augmentation	3.9 (2.2)	3.5 (1-8)	Inappropriate (50%)	2.1 (1.8)	1 (1-6)	Inappropriate (69%)
Radiofrequency delivery	2.3 (1.7)	1.5 (1-6)	Inappropriate (86%)	1.3 (0.5)	1 (1-2)	Inappropriate (100%)

<b>Scenario 6: Reflux Sensitivity, Small or No Hiatal Hernia, Regurgitation</b>						
	<b>Round 2</b>			<b>Round 3</b>		
	<b>Mean (SD)</b>	<b>Median (Range)</b>	<b>Highest Agreement</b>	<b>Mean (SD)</b>	<b>Median (Range)</b>	<b>Highest Agreement</b>
Additional anti-reflux measures	5.1 (2.7)	5 (1-9)	Equivocal (50%)	6.8 (2.5)	8 (1-9)	Appropriate (54%)
Laparoscopic fundoplication	4.0 (2.3)	4 (1-8)	Inappropriate & Equivocal (46% each)	3.8 (2.3)	4 (1-7)	Inappropriate & Equivocal (46% each)
Transoral incisionless fundoplication	3.1 (1.9)	2.5 (1-6)	Inappropriate (57%)	2.6 (2.3)	1 (1-7)	Inappropriate (69%)
Magnetic sphincter augmentation	3.9 (2.2)	3.5 (1-8)	Inappropriate (50%)	2.9 (2.5)	1 (1-8)	Inappropriate (69%)
Radiofrequency delivery	2.3 (1.7)	1.5 (1-6)	Inappropriate (86%)	1.5 (1.0)	1 (1-4)	Inappropriate (92%)

<b>Scenario 7: Elevated Reflux Burden, Large Hiatal Hernia</b>						
	<b>Round 2</b>			<b>Round 3</b>		
	<b>Mean (SD)</b>	<b>Median (Range)</b>	<b>Highest Agreement</b>	<b>Mean (SD)</b>	<b>Median (Range)</b>	<b>Highest Agreement</b>
Additional anti-reflux measures	4.3 (2.6)	4.5 (1-9)	Inappropriate & Equivocal (43% both)	6.4 (1.8)	6.5 (4-9)	Equivocal (54%)
Laparoscopic fundoplication	4.2 (3.0)	3 (1-9)	Inappropriate (57%)	3.5 (1.5)	4 (1-6)	Equivocal (54%)
Transoral incisionless fundoplication	2.0 (1.2)	2 (1-5)	Inappropriate (93%)	1.5 (1.0)	1 (1-4)	Inappropriate (92%)
Magnetic sphincter augmentation	2.1 (1.2)	2 (1-5)	Inappropriate (86%)	1.8 (1.1)	1 (1-4)	Inappropriate (92%)
Radiofrequency delivery	1.6 (1.0)	1 (1-4)	Inappropriate (93%)	1.2 (0.4)	1 (1-2)	Inappropriate (100%)

<b>Scenario 8: Elevated Reflux Burden, Small or No Hiatal Hernia</b>						
	<b>Round 2</b>			<b>Round 3</b>		
	<b>Mean (SD)</b>	<b>Median (Range)</b>	<b>Highest Agreement</b>	<b>Mean (SD)</b>	<b>Median (Range)</b>	<b>Highest Agreement</b>
Additional anti-reflux measures	3.6 (2.7)	2.5 (1-9)	Inappropriate (64%)	6.0 (2.1)	6 (1-9)	Equivocal (62%)
Laparoscopic fundoplication	3.3 (2.9)	2 (1-8)	Inappropriate (71%)	1.8 (1.2)	1 (1-4)	Inappropriate (85%)
Transoral incisionless fundoplication	2.0 (1.4)	1 (1-5)	Inappropriate (79%)	1.5 (1.0)	1 (1-4)	Inappropriate (85%)
Magnetic sphincter augmentation	3.0 (2.1)	2.5 (1-6)	Inappropriate (57%)	1.9 (1.4)	1 (1-5)	Inappropriate (85%)
Radiofrequency delivery	1.8 (1.4)	1 (1-6)	Inappropriate (93%)	1.2 (0.4)	1 (1-2)	Inappropriate (92%)

<b>Scenario 9: Absence of breakthrough acid, reflux hypersensitivity or elevated reflux burden</b>							
	<b>Round 2</b>			<b>Round 3</b>			
	<b>Mean (SD)</b>	<b>Median (Range)</b>	<b>Highest Agreement</b>	<b>Mean (SD)</b>	<b>Median (Range)</b>	<b>Highest Agreement</b>	<b>Mean Benchmark (SD)</b>
Additional anti-reflux measures	1.1 (0.4)	1 (1-2)	Inappropriate (100%)	1.2 (0.4)	1 (1-2)	Inappropriate (100%)	97.5% (1.9)