

PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Endoscopy

Manuscript NO: 46513

Title: Magnetic sphincter augmentation (MSA): Optimal patient selection and referral care pathways

Reviewer's code: 00058401

Reviewer's country: Brazil

Science editor: Fang-Fang Ji

Reviewer accepted review: 2019-03-26 16:49

Reviewer performed review: 2019-04-03 15:58

Review time: 7 Days and 23 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input checked="" type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input checked="" type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input checked="" type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

congratulations for the effort

INITIAL REVIEW OF THE MANUSCRIPT



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7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
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PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Endoscopy

Manuscript NO: 46513

Title: Magnetic sphincter augmentation (MSA): Optimal patient selection and referral care pathways

Reviewer's code: 00039368

Reviewer's country: Estonia

Science editor: Fang-Fang Ji

Reviewer accepted review: 2019-03-26 08:06

Reviewer performed review: 2019-04-08 13:40

Review time: 13 Days and 5 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input checked="" type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This is a well written mini review paper concerning the optimal patient's selection, who suffer under gastro-esophageal reflux disease (GERD), for magnetic sphincter augmentation (MSA) and the related patient care pathways. The authors have



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reviewed and analyzed a sufficient amount of literature (a total of 86 articles were identified for inclusion after comprehensive searches with the timeframe 01.01.2000 to 16.12.2018). In this review authors described the main points which should be taken into account: the optimal population who experience GERD symptoms of heartburn and /or uncontrolled regurgitation despite optimal medical management, have abnormal pH and have normal esophageal motility. Also the authors underlines that it should be taken into consideration improving primary care providers, physician training curricula and developing an evidence -based, multidisciplinary referral network.

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Endoscopy

Manuscript NO: 46513

Title: Magnetic sphincter augmentation (MSA): Optimal patient selection and referral care pathways

Reviewer's code: 03724099

Reviewer's country: United States

Science editor: Fang-Fang Ji

Reviewer accepted review: 2019-04-16 00:55

Reviewer performed review: 2019-04-17 00:47

Review time: 23 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This is a very well written review on magnetic sphincter augmentation. Few comments:

-The review seems to focus on patient selection for anti-reflux surgery in general and not necessarily MSA. It will be interesting to know which patients should be referred for



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MSA and which patients can be referred for traditional antireflux surgery such as Nissen's fundoplication. - The authors should also mention endoscopic therapies such as Stretta, TIF, MUSE etc in their introduction section as available treatment options for GERD. - A short section on complications related to MSA will be highly desirable for readers who plan to refer patients for MSA.

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Endoscopy

Manuscript NO: 46513

Title: Magnetic sphincter augmentation (MSA): Optimal patient selection and referral care pathways

Reviewer's code: 03667297

Reviewer's country: India

Science editor: Fang-Fang Ji

Reviewer accepted review: 2019-04-17 14:56

Reviewer performed review: 2019-04-17 15:43

Review time: 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input checked="" type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Well written manuscript. I wanted to know about the cost-effectiveness and longevity of the MSA.



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PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Endoscopy

Manuscript NO: 46513

Title: Magnetic sphincter augmentation (MSA): Optimal patient selection and referral care pathways

Reviewer's code: 02573214

Reviewer's country: Italy

Science editor: Fang-Fang Ji

Reviewer accepted review: 2019-04-16 14:55

Reviewer performed review: 2019-04-18 17:08

Review time: 2 Days and 2 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input checked="" type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This manuscript is a good minireview of the state of art about the optimal patient population for magnetic sphincter augmentation (MSA) in patients with gastroesophageal reflux disease.



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PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Endoscopy

Manuscript NO: 46513

Title: Magnetic sphincter augmentation (MSA): Optimal patient selection and referral care pathways

Reviewer's code: 03479350

Reviewer's country: Japan

Science editor: Fang-Fang Ji

Reviewer accepted review: 2019-04-16 02:56

Reviewer performed review: 2019-04-22 00:45

Review time: 5 Days and 21 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input checked="" type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input checked="" type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The authors have reported on the optimal patient selection and referral care pathways about magnetic sphincter augmentation (MSA). Although this manuscript is interesting and well written, the readers may roughly require the information, such as the

indication, therapeutic strategies, side effect, and therapeutic outcomes, of MSA. Furthermore, there were several concerns which should be addressed by the authors. 1. The title of this article and study aim suggest the description regarding the proper clinical indication and management of MSA. However, this review only has described the general management of GERD, without a minute discussion for MSA. The authors should address more clearly regarding the efficacy of MSA compared to drug medication and other surgical methods such as LNF. 2. The descriptions in the Introduction and Findings (Target Population and Referral Pathways for MSA) are partly duplicate. The authors should revise them easier and simpler. Given that the authors review focusing on MSA, the present status of MSA should be described. 3. Although the authors mentioned three primary means of treating GERD in the introduction, lifestyle changes were not described in detail. The authors should describe lifestyle changes roughly. 4. The authors described the disadvantages of laparoscopic Nissen Fundoplication (LNF) procedure compared to MSA in the introduction. The authors should describe the previous outcomes numerally of LNF compared to MSA. 5. The authors described the diagnostics to determine surgical eligibility of GERD patients in the Findings. The authors should mention the indication for use of MSA and its differences in comparison with LNF. 6. If possible, the readers and I'd like to know the cost-effectiveness of MSA compared to conventional treatment, such as LNF and PPI intake should be described. 7. The authors should mention the endoscopic therapy (Esophyx®) in the introduction.

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