

Dear Editor and reviewer:

Thank you very much for your letter and for the reviewer's comments concerning our manuscript entitled "Endometriosis of the duplex appendix: A case report and review of literature" (Manuscript NO: 48283). We have revised the manuscript, and would like to re-submit it for your consideration. We have addressed the comments raised by the reviewer, and the amendments are highlighted in red in the revised manuscript. Point by point responses to the reviewer's comments are listed below this letter.

We hope the newly revised manuscript will be acceptable for publication in your respected journal and look forward to your response.

Sincerely,

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We would like to express our sincere thanks to the reviewer for the constructive and positive comments.

Responds to reviewer's comments: 04670810

**Comment 1:** "CASE SUMMARY "Here, we described a 44-year-old woman who was admitted with a 1-day history of metastatic right lower quadrant pain". Consider change to: Here, we described a 44-year-old woman who was admitted with a 1-day history of migratory right lower quadrant pain."

**Response:** Thank you for reviewing our manuscript. We have modified it according to your suggestion.

**Comment 2:** " Authors should consider replacing older references with newer ones in the review about endometriosis in the appendix, such as the following references: 1-Endometriosis of the Appendix: When to Predict and How to Manage-A Multivariate Analysis of 1935 Endometriosis Cases. doi: 10.1016/j.jmig.2019.02.015 2-Appendiceal endometriosis invading the sigmoid colon: a rare entity. doi: 10.1007/s00384-019-03242-0 3-Endometriosis of the appendix presenting as acute appendicitis with unusual appearance. doi: 10.1016/j.ijscr.2018.10.048 4-Gastrointestinal and Urinary Tract Endometriosis: A Review on the Commonest Locations of Extrapelvic Endometriosis. doi: 10.1155/2018/3461209 5-Endometriosis of the appendix presenting as acute appendicitis: a case report and literature review."

**Response:** Thank you for reviewing our manuscript. According to your requirements, we have replaced older references with newer ones in the review about endometriosis in the appendix.

**Older references:**

1、 **Seli E**, Berkkanoglu M, Arici A. Pathogenesis of endometriosis. *Obstet Gynecol Clin North Am* 2003; **30**: 41-61 [PMID: 12699257 DOI: 10.1016/S0889-8545(02)00052-9]

- 2、 **Matsuura K**, Ohtake H, Katabuchi H, Okamura H. Coelomic metaplasia theory of endometriosis: evidence from in vivo studies and an in vitro experimental model. *Gynecol Obstet Invest* 1999; **47** Suppl 1: 18-20; discussion 20-12 [PMID: 10087424 DOI: 10.1159/000052855]
- 3、 **Slaughter K**, Gala RB. Endometriosis for the colorectal surgeon. *Clin Colon Rectal Surg* 2010; **23**: 72-79 [PMID: 21629624 DOI: 10.1055/s-0030-1254293]
- 4、 **Ichimiya M**, Hirota T, Muto M. Intralymphatic embolic cells with cutaneous endometriosis in the umbilicus. *J Dermatol* 1998; **25**: 333-336 [PMID: 9640888 DOI: 10.1111/j.1346-8138.1998.tb02407.x]
- 5、 **Macafee CH**, Greer HL. Intestinal endometriosis. A report of 29 cases and a survey of the literature. *J Obstet Gynaecol Br Emp* 1960; **67**: 539-555 [PMID: 14419249 DOI: 10.1111/j.1471-0528.1960.tb09211.x]
- 6、 **Sutton CE**, Hardy JA. Endometriosis of the vermiform appendix. *Am J Obstet Gynecol* 1952; **63**: 1139-1142 [PMID: 14923715 DOI: 10.1016/0002-9378(52)90555-3]
- 7、 **Berker B**, Lashay N, Davarpanah R, Marziali M, Nezhat CH, Nezhat C. Laparoscopic appendectomy in patients with endometriosis. *J Minim Invasive Gynecol* 2005; **12**: 206-209 [PMID: 15922976 DOI: 10.1016/j.jmig.2005.03.003]
- 8、 **Mittal VK**, Choudhury SP, Cortez JA. Endometriosis of the appendix presenting as acute appendicitis. *Am J Surg* 1981; **142**: 519-521 [PMID: 7283059]
- 9、 **Shome GP**, Nagaraju M, Munis A, Wiese D. Appendiceal endometriosis presenting as massive lower intestinal hemorrhage. *Am J Gastroenterol* 1995; **90**: 1881-1883 [PMID: 7572915]
- 10、 **Chaar CI**, Wexelman B, Zuckerman K, Longo W. Intussusception of the appendix: comprehensive review of the literature. *Am J Surg* 2009; **198**: 122-128 [PMID: 19249733 DOI: 10.1016/j.amjsurg.2008.08.023]
- 11、 **Barclay RL**, Simon JB, Vanner SJ, Hurlbut DJ, Jeffrey JF. Rectal passage of intestinal endometriosis. *Dig Dis Sci* 2001; **46**: 1963-1967 [PMID: 11575450]

- 12、 **Khwaja SA**, Zakaria R, Carneiro HA, Khwaja HA. Endometriosis: a rare cause of small bowel obstruction. *BMJ Case Rep* 2012; **2012**: 2298-2299 [PMID: 22891009 DOI: 10.1136/bcr.03.2012.5988]
- 13、 **Langman J**, Rowland R, Vernon-Roberts B. Endometriosis of the appendix. *Br J Surg* 1981; **68**: 121-124 [PMID: 7459615 DOI: 10.1002/bjs.1800680218]

**New references:**

- 1、 **St John BP**, Snider AE, Kellermier H, Minhas S, Nottingham JM. Endometriosis of the appendix presenting as acute appendicitis with unusual appearance. *Int J Surg Case Rep* 2018; **53**: 211-213 [PMID: 30423543 DOI: 10.1016/j.ijscr.2018.10.048]
- 2、 **Charatsi D**, Koukoura O, Ntavela IG, Chintziou F, Gkorila G, Tsagakoulis M, Mikos T, Pistofidis G, Hajjioannou J, Daponte A. Gastrointestinal and Urinary Tract Endometriosis: A Review on the Commonest Locations of Extrapelvic Endometriosis. *Adv Med* 2018; **2018**: 3461209 [PMID: 30363647 DOI: 10.1155/2018/3461209]
- 3、 **Mabrouk M**, Raimondo D, Mastronardi M, Raimondo I, Del Forno S, Arena A, Sutherland N, Borgia A, Mattioli G, Terzano P, Seracchioli R. Endometriosis of the Appendix: When to Predict and How to Manage-A Multivariate Analysis of 1935 Endometriosis Cases. *J Minim Invasive Gynecol* 2019; in press [PMID: 30849476 DOI: 10.1016/j.jmig.2019.02.015]
- 4、 **Curbelo-Pena Y**, Guedes-De la Puente X, Saladich-Cubero M, Molinas-Bruguera J, Molineros J, De Caralt-Mestres E. Endometriosis causing acute appendicitis complicated with hemoperitoneum. *J Surg Case Rep* 2015; **2015**: 1-3 [PMID: 26253154 DOI: 10.1093/jscr/rjv097]
- 5、 **Uncu H**, Taner D. Appendiceal endometriosis: two case reports. *Arch Gynecol Obstet* 2008; **278**: 273-275 [PMID: 18236056 DOI: 10.1007/s00404-008-0570-2]

- 6、 **Akbulut S**, Dursun P, Kocbiyik A, Harman A, Sevmis S. Appendiceal endometriosis presenting as perforated appendicitis: report of a case and review of the literature. *Arch Gynecol Obstet* 2009; **280**: 495-497 [PMID: 19169700 DOI: 10.1007/s00404-008-0922-y]
- 7、 **Shen AY**, Stanes A. Isolated Appendiceal Endometriosis. *J Obstet Gynaecol Can* 2016; **38**: 979-981 [PMID: 27720099 DOI: 10.1016/j.jogc.2016.06.006]
- 8、 **Lainas P**, Dammaro C, Rodda GA, Morcelet M, Prevot S, Dagher I. Appendiceal endometriosis invading the sigmoid colon: a rare entity. *Int J Colorectal Dis* 2019; **34**: 1147-1150 [PMID: 30666405 DOI: 10.1007/s00384-019-03242-0]
- 9、 **Sali PA**, Yadav KS, Desai GS, Bhole BP, George A, Parikh SS, Mehta HS. Small bowel obstruction due to an endometriotic ileal stricture with associated appendiceal endometriosis: A case report and systematic review of the literature. *Int J Surg Case Rep* 2016; **23**: 163-168 [PMID: 27153232 DOI: 10.1016/j.ijscr.2016.04.025]
- 10、 **Slessor AAP**, Sultan S, Kubba F, Sellu DP. Acute small bowel obstruction secondary to intestinal endometriosis, an elusive condition: a case report. *World Journal of Emergency Surgery* 2010; **5**: 27 [PMID: 20846366 DOI: 10.1186/1749-7922-5-27]
- 11、 **Biscaldi E**, Ferrero S, Fulcheri E, Ragni N, Remorgida V, Rollandi GA. Multislice CT enteroclysis in the diagnosis of bowel endometriosis. *Eur Radiol* 2007; **17**: 211-219 [PMID: 16937103 DOI: 10.1007/s00330-006-0364-5]
- 12、 **De Ceglie A**, Bilardi C, Bianchi S, Picasso M, Di Muzio M, Trimarchi A, Conio M. Acute small bowel obstruction caused by endometriosis: a case report and review of the literature. *World J Gastroenterol* 2008; **14**: 3430-3434 [PMID: 18528943 DOI: 10.3748/wjg.14.3430]
- 13、 **Bedaiwy MA**, Falcone T. Laboratory testing for endometriosis. *Clin Chim Acta* 2004; **340**: 41-56 [PMID: 14734195 DOI: 10.1016/j.cccn.2003.10.021]

14、 **Slessor AA**, Sultan S, Kubba F, Sellu DP. Acute small bowel obstruction secondary to intestinal endometriosis, an elusive condition: a case report. World J Emerg Surg 2010; 5: 27 [PMID: 20846366 DOI: 10.1186/1749-7922-5-27]

**Comment 3:** " When including references, the authors should compare in the discussion the findings of the case reported with those that were reported in those articles."

**Response:** Thank you for reviewing our manuscript. We have made changes in the discussion of our article as required. At the same time, we have added a table in this article.

Once again, thank you very much for your comments and suggestions.