World Journal of Clinical Cases

World J Clin Cases 2023 May 16; 11(14): 3114-3368





Contents

Thrice Monthly Volume 11 Number 14 May 16, 2023

OPINION REVIEW

3114 Modernising autism spectrum disorder model engineering and treatment via CRISPR-Cas9: A gene reprogramming approach

Sandhu A, Kumar A, Rawat K, Gautam V, Sharma A, Saha L

REVIEW

Burden of disability in type 2 diabetes mellitus and the moderating effects of physical activity 3128

Oyewole OO, Ale AO, Ogunlana MO, Gurayah T

MINIREVIEWS

Postoperative hypoxemia for patients undergoing Stanford type A aortic dissection 3140

Liu HY, Zhang SP, Zhang CX, Gao QY, Liu YY, Ge SL

ORIGINAL ARTICLE

Case Control Study

3148 Impact of extended nursing model after multi-disciplinary treatment on young patient with post-stroke

Xu XY, Pang ZJ, Li MH, Wang K, Song J, Cao Y, Fang M

3158 Changes and significance of serum ubiquitin carboxyl-terminal hydrolase L1 and glial fibrillary acidic protein in patients with glioma

Zhu QH, Wu JK, Hou GL

Retrospective Study

Multitrack and multianchor point screw technique combined with the Wiltse approach for lesion 3167 debridement for lumbar tuberculosis

Yuan YF, Ren ZX, Zhang C, Li GJ, Liu BZ, Li XD, Miao J, Li JF

Clinical features and prognostic factors in 49 patients with follicular lymphoma at a single center: A 3176 retrospective analysis

Wu H, Sun HC, Ouyang GF

3187 Value of optical coherence tomography measurement of macular thickness and optic disc parameters for glaucoma screening in patients with high myopia

Mu H, Li RS, Yin Z, Feng ZL

Observational Study

3195 Comparative study of the clinical efficacy of all-inside and traditional techniques in anterior cruciate ligament reconstruction

An BJ, Wang YT, Zhao Z, Wang MX, Xing GY



World Journal of Clinical Cases

Contents

Thrice Monthly Volume 11 Number 14 May 16, 2023

3204 Positioning and design by computed tomography imaging in neuroendoscopic surgery of patients with chronic subdural hematoma

Wang XJ, Yin YH, Zhang LY, Wang ZF, Sun C, Cui ZM

3211 Evaluation of chronic idiopathic tinnitus and its psychosocial triggers

Hamed SA, Attiah FA, Fawzy M, Azzam M

3224 Intestinal complications in patients with Crohn's disease in the Brazilian public healthcare system between 2011 and 2020

Sassaki LY, Martins AL, Galhardi-Gasparini R, Saad-Hossne R, Ritter AMV, Barreto TB, Marcolino T, Balula B, Yang-Santos C

Randomized Controlled Trial

3238 Effect of non-pharmacological treatment on the full recovery of social functioning in patients with attention deficit hyperactivity disorder

Lv YB, Cheng W, Wang MH, Wang XM, Hu YL, Lv LQ

CASE REPORT

3248 Diagnosis of tuberculous uveitis by the macrogenome of intraocular fluid: A case report and review of the literature

Zhang YK, Guan Y, Zhao J, Wang LF

3256 Intragastric fish bones migrate into the liver: A case report

Dai MG, Zheng JJ, Yang J, Ye B

3261 Primary seminal vesicle adenocarcinoma with a history of seminal vesicle cyst: A case report and review of literature

Yao Y, Liu S, He YL, Luo L, Zhang GM

3267 Immune checkpoint inhibitor therapy-induced autoimmune polyendocrine syndrome type II and Crohn's disease: A case report

Gao MJ, Xu Y, Wang WB

3275 Late-onset mitochondrial encephalomyopathy with lactic acidosis and stroke-like episodes syndrome with mitochondrial DNA 3243A>G mutation masquerading as autoimmune encephalitis: A case report

Wang JW, Yuan XB, Chen HF

3282 Metastatic gastric cancer from breast carcinoma presenting with paraneoplastic rheumatic syndrome: A case report

Rech MB, da-Cruz ER, Salgado K, Balbinot RA, Balbinot SS, Soldera J

3288 Novel mutation of SPG4 gene in a Chinese family with hereditary spastic paraplegia: A case report

Wang J, Bu WT, Zhu MJ, Tang JY, Liu XM

3295 Chronic pulmonary mucormycosis caused by rhizopus microsporus mimics lung carcinoma in an immunocompetent adult: A case report

Π

Guo XZ, Gong LH, Wang WX, Yang DS, Zhang BH, Zhou ZT, Yu XH

World Journal of Clinical Cases

Contents

3356

Thrice Monthly Volume 11 Number 14 May 16, 2023

3304 Idiopathic sclerosing mesenteritis presenting with small bowel volvulus in a patient with antiphospholipid syndrome: A case report

Chennavasin P, Gururatsakul M

3311 Neisseria mucosa - A rare cause of peritoneal dialysis-related peritonitis: A case report

Ren JM, Zhang XY, Liu SY

3317 Rectal prolapse in a 30-year-old bladder stone male patient: A case report

Ding HX, Huang JG, Feng C, Tai SC

3323 Successful treatment of veno-arterial extracorporeal membrane oxygenation complicated with left ventricular thrombus by intravenous thrombolysis: A case report

Wang YD, Lin JF, Huang XY, Han XD

Successful remimazolam sedation-epidural block in an older patient with severe chronic obstructive 3330 pulmonary disease: A case report

Yu JJ, Pei HS, Meng Y

De novo mutation of NAXE (APOAIBP)-related early-onset progressive encephalopathy with brain edema 3340 and/or leukoencephalopathy-1: A case report

Ding L, Huang TT, Ying GH, Wang SY, Xu HF, Qian H, Rahman F, Lu XP, Guo H, Zheng G, Zhang G

3351 Iatrogenic atlantoaxial rotatory subluxation after thyroidectomy in a pediatric patient: A case report Hong WJ, Lee JK, Hong JH, Han MS, Lee SS

Bladder metastasis from epidermal growth factor receptor mutant lung cancer: A case report Jin CB, Yang L

3362 Primary rectal mucosa-associated lymphoid tissue lymphoma treated with only endoscopic submucosal dissection: A case report

III

Lee WS, Noh MG, Joo YE

Contents

Thrice Monthly Volume 11 Number 14 May 16, 2023

ABOUT COVER

Editorial Board Member of World Journal of Clinical Cases, Jaw-Yuan Wang, MD, PhD, Professor, Surgical Oncologist, Department of Surgery, Kaohsiung Medical University Hospital, Kaohsiung Medical University, Kaohsiung 807, Taiwan. jawyuanwang@gmail.com

AIMS AND SCOPE

The primary aim of World Journal of Clinical Cases (WJCC, World J Clin Cases) is to provide scholars and readers from various fields of clinical medicine with a platform to publish high-quality clinical research articles and communicate their research findings online.

WJCC mainly publishes articles reporting research results and findings obtained in the field of clinical medicine and covering a wide range of topics, including case control studies, retrospective cohort studies, retrospective studies, clinical trials studies, observational studies, prospective studies, randomized controlled trials, randomized clinical trials, systematic reviews, meta-analysis, and case reports.

INDEXING/ABSTRACTING

The WICC is now abstracted and indexed in Science Citation Index Expanded (SCIE, also known as SciSearch®), Journal Citation Reports/Science Edition, Current Contents®/Clinical Medicine, PubMed, PubMed Central, Scopus, Reference Citation Analysis, China National Knowledge Infrastructure, China Science and Technology Journal Database, and Superstar Journals Database. The 2022 Edition of Journal Citation Reports® cites the 2021 impact factor (IF) for WJCC as 1.534; IF without journal self cites: 1.491; 5-year IF: 1.599; Journal Citation Indicator: 0.28; Ranking: 135 among 172 journals in medicine, general and internal; and Quartile category: Q4. The WJCC's CiteScore for 2021 is 1.2 and Scopus CiteScore rank 2021: General Medicine is 443/826.

RESPONSIBLE EDITORS FOR THIS ISSUE

Production Editor: Hua-Ge Yn, Production Department Director: Xu Guo; Editorial Office Director: Jin-Lei Wang.

NAME OF JOURNAL

World Journal of Clinical Cases

ISSN 2307-8960 (online)

LAUNCH DATE

April 16, 2013

FREQUENCY

Thrice Monthly

EDITORS-IN-CHIEF

Bao-Gan Peng, Jerzy Tadeusz Chudek, George Kontogeorgos, Maurizio Serati, Ja Hveon Ku

EDITORIAL BOARD MEMBERS

https://www.wjgnet.com/2307-8960/editorialboard.htm

PUBLICATION DATE

May 16, 2023

COPYRIGHT

© 2023 Baishideng Publishing Group Inc

INSTRUCTIONS TO AUTHORS

https://www.wjgnet.com/bpg/gerinfo/204

GUIDELINES FOR ETHICS DOCUMENTS

https://www.wignet.com/bpg/GerInfo/287

GUIDELINES FOR NON-NATIVE SPEAKERS OF ENGLISH

https://www.wjgnet.com/bpg/gerinfo/240

PUBLICATION ETHICS

https://www.wjgnet.com/bpg/GerInfo/288

PUBLICATION MISCONDUCT

https://www.wignet.com/bpg/gerinfo/208

ARTICLE PROCESSING CHARGE

https://www.wignet.com/bpg/gerinfo/242

STEPS FOR SUBMITTING MANUSCRIPTS

https://www.wjgnet.com/bpg/GerInfo/239

ONLINE SUBMISSION

https://www.f6publishing.com

© 2023 Baishideng Publishing Group Inc. All rights reserved. 7041 Koll Center Parkway, Suite 160, Pleasanton, CA 94566, USA E-mail: bpgoffice@wjgnet.com https://www.wjgnet.com



WJCC https://www.wjgnet.com

Submit a Manuscript: https://www.f6publishing.com

World J Clin Cases 2023 May 16; 11(14): 3362-3368

DOI: 10.12998/wjcc.v11.i14.3362

ISSN 2307-8960 (online)

CASE REPORT

Primary rectal mucosa-associated lymphoid tissue lymphoma treated with only endoscopic submucosal dissection: A case report

Wan-Sik Lee, Myung-Giun Noh, Young-Eun Joo

Specialty type: Gastroenterology and hepatology

Provenance and peer review:

Unsolicited article; Externally peer reviewed.

Peer-review model: Single blind

Peer-review report's scientific quality classification

Grade A (Excellent): 0 Grade B (Very good): B, B, B Grade C (Good): 0 Grade D (Fair): 0 Grade E (Poor): 0

P-Reviewer: Li XB, China; Osawa S, Japan; Sugimoto M, Japan

Received: March 6, 2023 Peer-review started: March 6, 2023

First decision: March 24, 2023 Revised: April 3, 2023 Accepted: April 12, 2023 Article in press: April 12, 2023 Published online: May 16, 2023



Wan-Sik Lee, Young-Eun Joo, Department of Internal Medicine, Chonnam National University Medical School, Hwasun-eup 58128, South Korea

Myung-Giun Noh, Department of Pathology, Chonnam National University Medical School, Hwasun-eup 58128, South Korea

Corresponding author: Young-Eun Joo, MD, PhD, Professor, Department of Internal Medicine, Chonnam National University Medical School, 264 Seoyang-ro, Hwasun-eup, Hwasun-gun, Hwasun-eup 58128, South Korea. yejoo@chonnam.ac.kr

Abstract

BACKGROUND

Mucosa-associated lymphoid tissue (MALT) lymphoma is a distinct subtype of non-Hodgkin B cell lymphoma that mostly involves the gastrointestinal tract. The stomach is the most commonly affected site whereas colorectal involvement occurs very rarely. Given its rarity, the management and clinical outcome of colorectal MALT lymphoma are not well established yet.

CASE SUMMARY

From the superficial capillary bed in the lower rectum. Endoscopic ultrasonography showed homogenous hypoechoic lesions in the deep mucosal layer. Endoscopic submucosal dissection (ESD) was done for accurate histologic diagnosis and treatment and both the rectal lesions were completely removed en bloc and subsequently diagnosed as primary rectal MALT lymphoma. Herein, we report a case of primary rectal MALT lymphoma in a 68-year-old woman that was treated by only ESD, and the 12-month follow-up revealed no tumour recurrence.

CONCLUSION

These results of our case and previous reports suggest that endoscopic resection alone may be a feasible and safe treatment for primary colorectal MALT lymphoma and allows organ preservation.

Key Words: Rectum; Mucosa-associated lymphoid tissue lymphoma; Endoscopic submucosal dissection

©The Author(s) 2023. Published by Baishideng Publishing Group Inc. All rights reserved.

Core Tip: Colorectal involvement of Mucosa-associated lymphoid tissue (MALT) lymphoma occurs rarely and the management of colorectal MALT lymphoma are not well established yet. We report a rare case of colorectal MALT lymphoma treated with endoscopic resection alone. To date, only six cases of primary colorectal MALT lymphomas treated with endoscopic resection alone, including our patient, have been documented in the medical literature. Among the reported cases, there was no recurrence during followup. These results of our case and previous reports suggest that endoscopic resection alone may be a feasible and safe treatment for primary colorectal MALT lymphoma and allows organ preservation.

Citation: Lee WS, Noh MG, Joo YE. Primary rectal mucosa-associated lymphoid tissue lymphoma treated with only endoscopic submucosal dissection: A case report. World J Clin Cases 2023; 11(14): 3362-3368

URL: https://www.wjgnet.com/2307-8960/full/v11/i14/3362.htm

DOI: https://dx.doi.org/10.12998/wjcc.v11.i14.3362

INTRODUCTION

Gastrointestinal lymphoma is an uncommon disease that constitutes a small proportion of gastrointestinal neoplasms. Primary gastrointestinal mucosa-associated lymphoid tissue (MALT) lymphoma is a rare type of non-Hodgkin lymphoma that comprises 1%-4% of gastrointestinal non-Hodgkin lymphomas [1-3]. Most primary gastrointestinal MALT lymphomas occur in the stomach, and colorectal involvement occurs very rarely. Thus, the management and clinical outcome of colorectal MALT lymphoma are highly variable and not well established [4-7].

Here, we report a case of a 68-year-old woman with primary rectal MALT lymphoma that was treated with endoscopic submucosal dissection (ESD) alone and present a literature review pertaining to this condition.

CASE PRESENTATION

Chief complaints

A 68-year-old woman visited our clinic for a routine health screening examination.

History of present illness

She had no systemic B symptoms, including abdominal pain, fever, night sweats, and weight loss.

History of past illness

Ten years earlier, she underwent surgery for thyroid cancer. She had been on medication for hypertension and diabetes mellitus for 15 years.

Personal and family history

The patient denied any family history of malignant tumours.

Physical examination

On physical examination, she was afebrile, her blood pressure and pulse were normal, and her abdomen was soft, nondistended, and nontender without hepatosplenomegaly or palpable lymphadenopathy.

Laboratory examinations

Laboratory examinations, including complete blood cell count, liver function test, renal function study, and tumour markers, were within normal limits.

Imaging examinations

Computed tomography scan of the neck, chest, abdomen, and pelvis as well as bone marrow aspiration revealed no significant abnormalities.

FURTHER DIAGNOSTIC WORK-UP

Esophagogastroduodenoscopy showed atrophic gastritis with intestinal metaplasia, and the Campylobacter-like organism test was negative for Helicobacter pylori (H. pylori) infection and the patient



didn't have history of previous H. pylori eradication therapy. Colonoscopy showed two subepithelial tumours, measuring 4 and 5 mm and arising from the superficial capillary bed into the lower rectum (Figure 1), that seemed to be neuroendocrine tumours. Endoscopic ultrasonography revealed two homogenous hypoechoic lesions in the deep mucosal layer (Figure 2). As rectal neuroendocrine tumor was suspected according to the endoscopic ultrasonography, the two rectal lesions were removed en bloc via ESD for accurate histological diagnosis and treatment (Figure 3).

FINAL DIAGNOSIS

On routine histology, haematoxylin-eosin staining showed a dense aggregate of lymphoid cell in the lamina propria layer forming polypoid-lesion (Figure 4A). These lymphoid cells that had small-tointermediate nuclei and focally clear cytoplasm, infiltrated into muscularis mucosae but did not infiltrate into submucosa (Figure 4B). Immunohistochemistry to ascertain the nature of tumour cells showed positive staining for CD20 (Figure 4C), but negative results for CD3 and Bcl-6. The Ki-67 Labelling index was 5%. Characteristic lymphocyte-epithelial infiltration of CD20-positive tumor cells was also observed (Figure 4D). The biopsy specimens indicated a diagnosis of MALT lymphoma. In accordance with the Ann Arbor staging system, the tumour was diagnosed as a stage IE primary rectal MALT lymphoma.

TREATMENT

The two rectal lesions were removed *en bloc via* ESD.

OUTCOME AND FOLLOW-UP

The patient has been followed-up regularly at the outpatient clinic. Although follow-up period of the patient has been only 12 mo, there was no evidence of recurrence at 12 mo after the ESD.

DISCUSSION

MALT lymphoma is classified as an extranodal marginal zone B-cell lymphoma of the MALT type[1-3] that frequently involves the gastrointestinal tract, including stomach and small bowel, and very rarely involves the colorectal structures [4-7]. Therefore, the clinical characteristics, treatment, and outcome of primary colorectal MALT lymphoma have not been clearly established yet.

The median age at diagnosis of colorectal MALT lymphoma is approximately 60 years, with a slight female predisposition, and the clinical presentation is most often asymptomatic, followed by abdominal discomfort/pain, positive result on a stool occult blood test, constipation, diarrhoea, tenesmus, and obstruction. The most common lesion site is the rectum, followed by the terminal ileum, cecum, and sigmoid colon. The main endoscopic appearance is of a subepithelial tumour, followed by polyposis, ileitis, and epithelial mass type[7]. Our patient is a 68-year-old woman with an asymptomatic rectal MALT lymphoma that comprised two subepithelial tumours that were found incidentally on screening colonoscopy.

Gastric MALT lymphoma is strongly associated with H. pylori infection, and H. pylori eradication is the main therapeutic strategy in primary gastric MALT lymphoma[1-3]. However, the association between colorectal MALT lymphoma and H. pylori infection is unclear. In our patient, the rectal MALT lymphoma was not associated with an *H. pylori* infection.

Colorectal MALT lymphomas were treated by various modalities, including single or a combination of endoscopic resection, surgery, H. pylori eradication with antibiotics, radiation therapy, or chemotherapy. The overall prognosis of colonic MALT lymphoma showed an indolent nature and favourable clinical behaviour[4-7]. However, because of its rarity and indolent nature, the treatment and outcome of colorectal MALT lymphoma is not well established.

In our case, ESD was undertaken for accurate histological diagnosis and treatment. Rectal lesions were completely resected en bloc by ESD and were pathologically confirmed as a rectal MALT lymphoma. Given the stage IE status of lesions limited to only the rectum, based on a discussion with our multidisciplinary medical team, observation without additional treatment was planned. Twelve months after the ESD, the patient had no tumour recurrence.

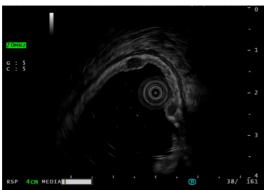
The first case of endoscopic resection with a hot-snare guillotine technique was reported in primary rectal MALT lymphoma in 2009, wherein empirical H. pylori eradication therapy was added despite a negative result on the H. pylori test[8]. Another case of stage IE primary rectal MALT lymphoma was

3364



DOI: 10.12998/wjcc.v11.i14.3362 **Copyright** ©The Author(s) 2023.

Figure 1 Colonoscopy shows two subepithelial tumors, measuring 4 and 5 mm, within the superficial capillary bed and rising into the rectum.



DOI: 10.12998/wjcc.v11.i14.3362 **Copyright** ©The Author(s) 2023.

Figure 2 Endoscopic ultrasonogram shows two homogenous hypoechoic lesions in the deep mucosal layer.

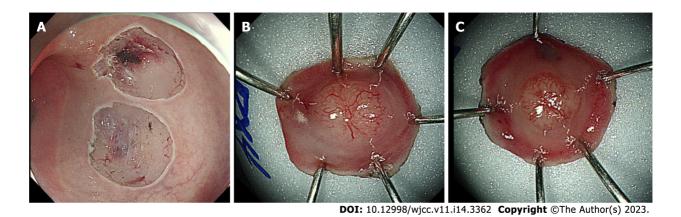


Figure 3 Two rectal lesions have been removed en bloc by endoscopic submucosal dissection. A: Two ESD induced ulcers; B: Tumor size was measured 5 mm × 4 mm and specimen size was measured 12 mm × 12 mm; C: Tumor size was measured 4 mm × 4 mm and specimen size was measured 12 mm × 10 mm.

diagnosed by endoscopic mucosal resection (EMR) and treated with radiation therapy[9].

3365

To date, only six cases of primary colorectal MALT lymphomas treated with endoscopic resection alone, including our patient, have been documented in the medical literature (Table 1)[10-14]. The patients were aged 46 to 72 years (mean age, 64.2 years) and included three men and three women. On clinical presentation, three cases were asymptomatic, two had bleeding, and one had weight loss. Two cases are treated with EMR, two with ESD, one with EMR with ligation, and one with endoscopic fullthickness resection. The mean follow-up period was 30.2 mo (range, 12-60 mo). Among the reported cases, there was no recurrence during follow-up.

Table 1 Summary of reported cases of primary colorectal mucosa-associated lymphoid tissue lymphomas treated with endoscopic resection alone

Patient No.	Ref.	Age (yr)/Sex	Symptoms (duration)	Location	Size (cm)	Endoscopic findings	Treatment	Follow up period (mo)	Outcome
1	Lin <i>et al</i> [10], 2016	59/M	Positive fecal occult blood test	Colon (25 cm from anal verge)	2.0	Polypoid lesion with wide base, slightly irregular border, and an irregular vascular pattern with mild inflammatory changes	EMR	36	No recurrence
2	Shah <i>et al</i> [11], 2021	72/M	Asymptomatic	Mid rectum	2.0	Raised erythematous lesion	EMR	60	No recurrence
3	Yoon <i>et al</i> [12], 2021	69/F	Weight loss (3 mo)	Lower rectum	1.0	Subepithelial tumor	EMR with ligation	37	No recurrence
4	Tao <i>et al</i> [13],2022	46/M	Asymptomatic	Rectum (10 cm from anal verge)	3.5	Laterally spreading tumor-like lesion	ESD	24	No recurrence
5	Li <i>et al</i> [14], 2022	71/F	Hematochezia (1 mo)	Lower rectum	6.0	Hemispheric mass with rough and hyperemic mucosa	Endoscopic full-thickness resection	12	No recurrence
6	Present case	68/F	Asymptomatic	Lower rectum	0.5, 0.3	Two subepithelial tumors with superficial capillary bed	ESD	12	No recurrence

MALT: Mucosa-associated lymphoid tissue; EMR: Endoscopic mucosal resection; ESD: Endoscopic submucosal dissection.

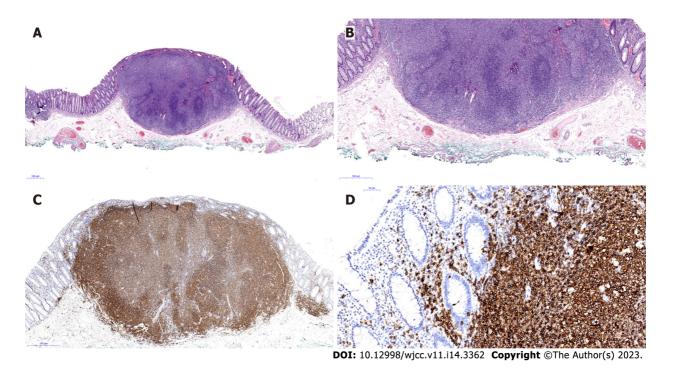


Figure 4 Microscopic findings. A: Endoscopic biopsy specimens show a dense aggregate of lymphoma cells in the lamina propria (hematoxylin and eosin staining, ×20); B: Lymphoma cells infiltrate the mucosal layer above the subepithelial layer (hematoxylin and eosin staining, ×40); C: Immunohistochemical staining shows aggregate of lymphoma cells that stained positive for the B-cell marker CD20 (×400); D: Characteristic lymphocyte-epithelial lesion of CD20-positive lymphoma cells was also observed (x400).

CONCLUSION

These results of our case and previous reports suggest that endoscopic resection alone may be a feasible and safe treatment for primary colorectal MALT lymphoma and allows organ preservation. However, long-term follow-up data are needed to determine the efficacy of this treatment approach in a larger number of cases that have been treated with endoscopic resection alone.

FOOTNOTES

Author contributions: Lee WS, Noh MG, Joo YE contributed to manuscript writing and editing and data collection; Joo YE contributed to conceptualization and supervision; all authors have read and approved the final manuscript.

Informed consent statement: Informed written consent was obtained from the patient for publication of this report and any accompanying images.

Conflict-of-interest statement: The authors declare that they have no conflict of interest to disclose.

CARE Checklist (2016) statement: The authors have read the CARE Checklist (2016), and the manuscript was prepared and revised according to the CARE Checklist (2016).

Open-Access: This article is an open-access article that was selected by an in-house editor and fully peer-reviewed by external reviewers. It is distributed in accordance with the Creative Commons Attribution NonCommercial (CC BY-NC 4.0) license, which permits others to distribute, remix, adapt, build upon this work non-commercially, and license their derivative works on different terms, provided the original work is properly cited and the use is noncommercial. See: https://creativecommons.org/Licenses/by-nc/4.0/

Country/Territory of origin: South Korea

ORCID number: Young-Eun Joo 0000-0003-0422-2439.

S-Editor: Ma YI L-Editor: A P-Editor: Zhao S

REFERENCES

- Violeta Filip P, Cuciureanu D, Sorina Diaconu L, Maria Vladareanu A, Silvia Pop C. MALT lymphoma: epidemiology, clinical diagnosis and treatment. J Med Life 2018; 11: 187-193 [PMID: 30364585 DOI: 10.25122/jml-2018-0035]
- Thieblemont C, Zucca E. Clinical aspects and therapy of gastrointestinal MALT lymphoma. Best Pract Res Clin Haematol 2017; 30: 109-117 [PMID: 28288705 DOI: 10.1016/j.beha.2017.01.002]
- Ishikawa E, Nakamura M, Satou A, Shimada K, Nakamura S. Mucosa-Associated Lymphoid Tissue (MALT) Lymphoma in the Gastrointestinal Tract in the Modern Era. Cancers (Basel) 2022; 14 [PMID: 35053607 DOI: 10.3390/cancers140204461
- Hollie N, Asakrah S. MALT lymphoma of the colon: a clinicopathological review. J Clin Pathol 2020; 73: 378-383 [PMID: 32034054 DOI: 10.1136/jclinpath-2019-206377]
- Won JH, Kim SM, Kim JW, Park JH, Kim JY. Clinical features, treatment and outcomes of colorectal mucosa-associated lymphoid tissue (MALT) lymphoma: literature reviews published in English between 1993 and 2017. Cancer Manag Res 2019; **11**: 8577-8587 [PMID: 31572011 DOI: 10.2147/CMAR.S214197]
- Tannoury J, Amiot A, Lemonnier F, Dupuis J, Gagnière C, Belhadj K, Bras FL, Sobhani I, Haioun C, Copie-Bergman C, Lévy M. Colonic mucosa-associated lymphoid tissue lymphoma: a case series. Leuk Lymphoma 2020; 61: 582-587 [PMID: 31694428 DOI: 10.1080/10428194.2019.1686501]
- Jeon MK, So H, Huh J, Hwang HS, Hwang SW, Park SH, Yang DH, Choi KD, Ye BD, Myung SJ, Yang SK, Byeon JS. Endoscopic features and clinical outcomes of colorectal mucosa-associated lymphoid tissue lymphoma. Gastrointest Endosc 2018; 87: 529-539 [PMID: 28882576 DOI: 10.1016/j.gie.2017.08.027]
- Mathew A, Humburg BC, Bayer MG. A case of rectal MALT lymphoma treated by endoscopic resection. Am J Gastroenterol 2009; 104: 255-256 [PMID: 19098890 DOI: 10.1038/ajg.2008.47]
- Hayakawa T, Nonaka T, Mizoguchi N, Hagiwara Y, Shibata S, Sakai R, Nakayama N, Yokose T, Nakayama Y. Radiotherapy for mucosa-associated lymphoid tissue (MALT) lymphoma of the rectum: a case report. Clin J Gastroenterol 2017; **10**: 431-436 [PMID: 28815477 DOI: 10.1007/s12328-017-0769-5]
- Lin PC, Chen JS, Deng P, Wang CW, Huang CH, Tang R, Chiang JM, Yeh CY, Hsieh PS, Tsai WS, Chiang SF. Concurrent colonic mucosa-associated lymphoid tissue lymphoma and adenoma diagnosed after a positive fecal occult blood test: a case report. J Med Case Rep 2016; 10: 24 [PMID: 26818035 DOI: 10.1186/s13256-016-0810-1]
- Shah RM, Kuo V, Schwartz A. Endoscopic mucosal resection and cure for rectal mucosa-associated lymphoid tissue lymphoma. Proc (Bayl Univ Med Cent) 2020; 34: 305-306 [PMID: 33678972 DOI: 10.1080/08998280.2020.1836939]
- Yoon BH, Huh CW. [Rectal Mucosa-associated Lymphoid Tissue Lymphoma Treated with Endoscopic Resection]. Korean J Gastroenterol 2021; 78: 344-348 [PMID: 34955511 DOI: 10.4166/kjg.2021.124]

3367

Tao Y, Nan Q, Lei Z, Miao YL, Niu JK. Rare primary rectal mucosa-associated lymphoid tissue lymphoma with curative resection by endoscopic submucosal dissection: A case report and review of literature. World J Clin Cases 2022; 10: 7599-7608 [PMID: 36158004 DOI: 10.12998/wjcc.v10.i21.7599]



14 Li FY, Zhang XL, Zhang QD, Wang YH. Successful treatment of an enormous rectal mucosa-associated lymphoid tissue lymphoma by endoscopic full-thickness resection: A case report. World J Gastroenterol 2022; 28: 1078-1084 [PMID: 35431493 DOI: 10.3748/wjg.v28.i10.1078]

3368



Published by Baishideng Publishing Group Inc

7041 Koll Center Parkway, Suite 160, Pleasanton, CA 94566, USA

Telephone: +1-925-3991568

E-mail: bpgoffice@wjgnet.com

Help Desk: https://www.f6publishing.com/helpdesk

https://www.wjgnet.com

