

[< Back to results](#) | 1 of 1[Export](#) [Download](#) [Print](#) [E-mail](#) [Save to PDF](#) [Add to List](#) [More... >](#)[Full Text](#) [View at Publisher](#)Techniques in Coloproctology
Volume 21, Issue 9, 1 September 2017, Pages 715-720

Healing of the perineal wound after proctectomy in Crohn's disease patients: only preoperative perineal sepsis predicts poor outcome

(Article)

Li, W.^a, Stocchi, L.^b, Elagili, F.^b, Kiran, R.P.^c, Strong, S.A.^d [✉](#) [👤](#)^aDepartment of Gastrointestinal Surgery, Guangzhou First People's Hospital, Guangzhou Medical University, Guangzhou, Guangdong, China^bDepartment of Colorectal Surgery, Digestive Disease and Surgery Institute, Cleveland Clinic, Cleveland, OH, United States^cDivision of Colorectal Surgery, Columbia University Medical Center, New York Presbyterian Hospital, New York, NY, United States[View additional affiliations](#) [v](#)

Abstract

[v View references \(24\)](#)

Background: The aim of our study was to assess perineal wound healing in patients with Crohn's disease (CD) who undergo proctectomy or proctocolectomy with end ileostomy and to evaluate the influence of various factors including types of perineal dissection on eventual wound healing. **Methods:** Data for patients with CD who underwent proctectomy or total proctocolectomy with end ileostomy from 1995 to 2012 were reviewed. The relationship between perineal wound healing and demographics, patient characteristics, and other factors was assessed using univariate and multivariate analyses. **Results:** The perineal wound healed by 12 weeks in 72 (52.9%) out of 136 patients (63.2% female, mean age 41 ± 13 years); delayed healing occurred in 35 patients (25.7%), and in 29 patients (21.3%), there was non-healing. On multivariate analysis, the only factor associated with delayed healing and non-healing was preoperative perineal sepsis ($p = 0.001$). **Conclusions:** After proctectomy or proctocolectomy for CD, perineal wound healing is poor and poses a particular challenge for patients with preoperative perineal sepsis. These findings support a preoperative discussion regarding CD patients that examines potential outcomes and the consideration of measures such as the initial creation of defunctioning ostomy or control/drainage of local sepsis prior to proctectomy. © 2017, Springer International Publishing AG.

SciVal Topic Prominence [ⓘ](#)

Topic: Rectal Neoplasms | Perineum | perineal reconstruction

Prominence percentile: 74.465 [ⓘ](#)

Author keywords

[Crohn's disease](#) [Healing](#) [Perineal wound](#) [Proctectomy](#) [Proctocolectomy](#)

Indexed keywords

[Metrics](#) [ⓘ](#) [View all metrics >](#)

1 Citation in Scopus

0.35 Field-Weighted
Citation Impact[PlumX Metrics](#) [v](#)Usage, Captures, Mentions,
Social Media and Citations
beyond Scopus.

Cited by 1 document

Preoperative mechanical and oral antibiotic bowel preparation to reduce infectious complications of colorectal surgery – the need for updated guidelines

Battersby, C.L.F., Battersby, N.J., Slade, D.A.J.
(2019) *Journal of Hospital Infection*

[View details of this citation](#)

Inform me when this document is cited in Scopus:

[Set citation alert >](#)[Set citation feed >](#)

Related documents

Persistent perineal sinus after proctocolectomy for Crohn's disease

Yamamoto, T., Bain, L.M., Allan, R.N.
(1999) *Diseases of the Colon and Rectum*

Conservative proctocolectomy with low transection of the anorectum is a poor alternative to conventional proctocolectomy in inflammatory bowel disease

Winslet, M.C., Alexander-Williams, J., Keighley, M.R.B.
(1990) *International Journal of Colorectal Disease*

EMTREE medical terms:

adult Article clinical evaluation Crohn disease demography female human ileostomy major clinical study male outcome assessment perineal sepsis perineum preoperative care proctocolectomy rectum resection sepsis sex ratio wound healing complication Crohn disease evaluation study injuries microbiology middle aged multivariate analysis perineum physiology postoperative complication preoperative period procedures retrospective study risk factor treatment outcome wound healing

MeSH:

Adult Crohn Disease Female Humans Male Middle Aged Multivariate Analysis Perineum Postoperative Complications Preoperative Period Proctocolectomy, Restorative Retrospective Studies Risk Factors Sepsis Treatment Outcome Wound Healing

Management of nonhealing perineal wounds

Genua, J.C. , Vivas, D.A. (2007) *Clinics in Colon and Rectal Surgery*

View all related documents based on references

Find more related documents in Scopus based on:

Authors > Keywords >

ISSN: 11236337

CODEN: TECOF

Source Type: Journal

Original language: English

DOI: 10.1007/s10151-017-1695-8

PubMed ID: 29022150

Document Type: Article

Publisher: Springer-Verlag Italia s.r.l.

References (24)

[View in search results format >](#)

All [Export](#) [Print](#) [E-mail](#) [Save to PDF](#) [Create bibliography](#)

- 1 Fry, R.D., Shemesh, E.I., Kodner, I.J., Timmcke, A.
Techniques and results in the management of anal and perianal Crohn's disease
(1989) *Surgery Gynecology and Obstetrics*, 168 (1), pp. 42-48. Cited 105 times.

- 2 Van Dongen, L.M., Lubbers, E.-J.C.
Perianal Fistulas in Patients With Crohn's Disease
(1986) *Archives of Surgery*, 121 (10), pp. 1187-1190. Cited 68 times.
doi: 10.1001/archsurg.1986.01400100099019
[View at Publisher](#)

- 3 Buchmann, P., Keighley, M.R., Allan, R.N., Thompson, H., Alexander, W.J.
Natural history of perineal Crohn's disease: en year follow up: a plea for conservatism
(1980) *Am J Surg*, 168, pp. 42-48.

- 4 Williamson, P.R., Hellinger, M.D., Larach, S.W., Ferrara, A.
Twenty-year review of the surgical management of perianal Crohn's disease
(1995) *Diseases of the Colon & Rectum*, 38 (4), pp. 389-392. Cited 93 times.
doi: 10.1007/BF02054227
[View at Publisher](#)