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Name of Journal: *World Journal of Gastrointestinal Pathophysiology*

Manuscript NO: 52378

Manuscript Type: ORIGINAL ARTICLE

Retrospective Cohort Study

Fecal lactoferrin accurately reflects mucosal inflammation in inflammatory bowel disease

Rubio MG *et al.* Fecal lactoferrin reflects mucosal inflammation

Marrieth G Rubio, Kofi Amo-Mensah, James M Gray, Vu Q Nguyen, Sam Nakat, Douglas Grider, Kim Love, James H Boone, Dario Sorrentino

Abstract

BACKGROUND

Studies have demonstrated a potential role for fecal biomarkers such as fecal calprotectin (FC) and fecal lactoferrin (FL) in monitoring inflammatory bowel diseases (IBD) - Crohn's disease (CD) and ulcerative colitis (UC). However, their correlation to endoscopic scores, disease severity and affected intestinal surface has not been extensively investigated.

AIM

To correlate FL, and for comparison white blood cell (WBC) and C-reactive protein



모든 날짜

2019 년부터

2018 년부터

2015 년부터

기간 설정...

관련도별 정렬

날짜별 정렬

모든 언어

한국어 웹

☒ 특허 포함

☐ 서지정보 포함

☒ 알림 만들기

Fecal lactoferrin as a marker for **disease** activity in inflammatory bowel **disease**: comparison with other neutrophil-derived proteins.

K Sugi, O Saitoh, I Hirata... - American Journal of ..., 1996 - search.ebscohost.com

... Lf seemed to be the besi **fecal** marker, because it was released from activated neutrophils most efficiently and was the most stable in **feces** ... In!eslin;il protein loss und bleeding assessed by **fecal** hemoglohin ... Neaie G. Serum and **faecal** lysozyme in inflaniniatory **bowel disease** ...

☆ 77 201회 인용 관련 학술자료 전체 6개의 버전

Biomarkers of inflammation in inflammatory bowel disease

BE Sands - Gastroenterology, 2015 - Elsevier

... UC in remission for at least 3 months on mesalamine had **stool** collected for ... However, clinical symptoms do not **accurately reflect** recurrent **inflammation** visible at endoscopy 65 , and the ... in clinical remission are found to have increased levels of **fecal lactoferrin** or calprotectin.66 ...

☆ 77 129회 인용 관련 학술자료 전체 6개의 버전

Lactoferrin in whole gut lavage fluid as a marker for **disease** activity in inflammatory bowel **disease**: comparison with other neutrophil-derived proteins

M Kayazawa, O Saitoh, K Kojima... - The American journal of ..., 2002 - nature.com

... lumen, resulting in a considerable number of neutrophils being excreted in **feces** without de ... Technical report: Results of immunological tests on **faecal** extracts are likely to be extremely ... **Fecal lactoferrin** as a marker for **disease** activity in **inflammatory bowel disease**: Compari- son ...

☆ 77 81회 인용 관련 학술자료 전체 12개의 버전

Fecal calprotectin more **accurately reflects** endoscopic activity of ulcerative colitis than the Lichtiger Index, C-reactive protein, platelets, hemoglobin, and blood ...

AM Schoepfer, C Beglinger... - Inflammatory bowel ..., 2013 - academic.oup.com

... R. Vavricka; **Fecal** Calprotectin More **Accurately Reflects** Endoscopic Activity of Ulcerative Colitis than the Lichtiger Index, C-reactive Protein, Platelets, Hemoglobin, and Blood Leukocytes, **Inflammatory Bowel Diseases**, Volume 19, Issue 2, 1 February 2013, Pages 332–341 ...

☆ 77 210회 인용 관련 학술자료 전체 10개의 버전

7,670 Results

Any time ▾

Fecal calprotectin in inflammatory bowel disease

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4734737>

Jan 28, 2016 · Calprotectin. Any disturbance to the **mucosal architecture** due to the **inflammatory** process, results in leakage of neutrophils, and hence, calprotectin, into the lumen and its subsequent excretion in feces. 4 The concentration of calprotectin in feces has ...

Cited by: 85

Author: Natalie E Walsham, Roy A Sherwood

Publish Year: 2016

Faecal calprotectin: Management in inflammatory bowel ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4644884>

Nov 15, 2015 · **Inflammatory bowel disease (IBD)** is a chronic and **relapsing disorder** which leads to an **inflammation** of the **gastrointestinal tract**. A tailored therapy to achieve **mucosal healing** with the less adverse events has become a key issue in the management of IBD.

Cited by: 13

Author: José Manuel Benítez, Valle García-Sánchez

Publish Year: 2015

Role of fecal calprotectin as a biomarker of intestinal ...

<https://academic.oup.com/ibdjournal/article/12/6/524/4682696> ▾

Jun 01, 2006 · **Inflammatory Bowel Disease**. Fecal calprotectin concentrations are elevated in both adults and children with IBD relative to healthy control subjects, ... **fecal lactoferrin**, has also shown promise in the noninvasive diagnosis of pouchitis. ... Having shown that **fecal calprotectin accurately reflects intestinal inflammation** in patients with known ...

Cited by: 407

Author: Michael R. Konikoff, Lee A. Denson

Publish Year: 2006

Fecal Calprotectin More Accurately Reflects Endoscopic ...

<https://academic.oup.com/ibdjournal/article/19/2/332/4604314> ▾

Jan 16, 2013 · As such, elevated levels of several proteins can be measured in **serum** and **feces**. 10 Increased levels of C-reactive protein (CRP) were found to be associated with clinical and endoscopic activity in UC. 5, 11, 12 Fecal calprotectin (FC) is a biomarker that is frequently used for monitoring **inflammatory bowel disease (IBD)** activity. 5, 13 FC represents 60% of cytosolic proteins in ...

Cited by: 207

Author: Alain M. Schoepfer, Christoph Beglinger, ...

Publish Year: 2013