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**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

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**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) - **5** 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

Match Overview

1	<b>Crossref</b> 97 words Cong Dai, Min Jiang, Ming-Jun Sun, Qin Cao. "Fecal Lact ... errin for Assessment of Inflammatory Bowel Disease Activit	3%
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기간 설정...

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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** ... Inleslin;il protein loss und bleeding assessed by **fecal** hemoglohin ... Neaie G. Serum and **faecal** lysozyme in inflaniniatory **bowel disease** ...

☆ 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 ...

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### 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 ...

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### 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 ...

☆ 210회 인용 관련 학술자료 전체 10개의 버전



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## 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