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Name of Journal: *World Journal of Gastrointestinal Pathophysiology*

Manuscript NO: 53498

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Retrospective Cohort Study

Evaluation of bacterial biomarkers to aid in challenging inflammatory bowel diseases diagnostics and subtype classification

Mireia Lopez-Siles, ¹Xavier Aldeguer, Miriam Sabat-Mir, Mariona Serra-Pagès, Sylvia H. Duncan, Harry J. Flint, L. Jesús Garcia-Gil, Margarita Martinez-Medina

Abstract

BACKGROUND

The challenges for inflammatory bowel disease (IBD) diagnostics are to discriminate it from gut conditions with similar symptoms such as irritable

bowel syndrome (IBS) to distinguish IBD subtypes to predict disease



Evaluation of bacterial biomarkers to aid in challenging i



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Biomarkers of Inflammatory Bowel Disease

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4055235>

National Institute for Health and Care Excellence (NICE) guideline for **fecal calprotectin diagnostic tests** for **inflammatory bowel disease** gives **recommendations** for the **differential diagnosis** of **inflammatory bowel disease (IBD)** or **irritable bowel syndrome (IBS)** in adults or children, and it is a useful screening test to triage referrals to gastroenterology for investigation of chronic diarrhea, ...

Cited by: 56

Author: Yi Fengming, Wu Jianbing

Publish Year: 2014

Biomarkers of Inflammatory Bowel Disease | Inflammatory ...

<https://academic.oup.com/ibdjournal/article/21/10/2467/4644933> ▾

May 11, 2015 · Abstract. **Diagnostics of inflammatory bowel diseases (IBDs)** currently relies on a combination of biological and morphological tests. The current method of diagnostic remains a critical **challenge** for physicians in part due to their invasiveness and also for their limitations in term of diagnosis, prognosis, disease activity and severity assessment, and therapeutic outcomes.

Cited by: 18

Author: Emilie Viennois, Yuan Zhao, Yuan Zhao, ...

Publish Year: 2015



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Biomarkers of Inflammatory Bowel Disease

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Cited by: 56

Author: Yi Fengming, Wu Jianbing

Publish Year: 2014

Use of blood based biomarkers in the evaluation of Crohn's ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4658602>

Nov 25, 2015 · CURRENT APPROACHES TO EVALUATION. Various **serologic biomarkers** have been used in the evaluation of patients with both suspected and documented **IBD**. **Erythrocyte sedimentation rate** and **C-reactive protein (CRP)** are non-specific markers of **inflammation** that can be elevated in patients with active CD and UC.

Cited by: 5

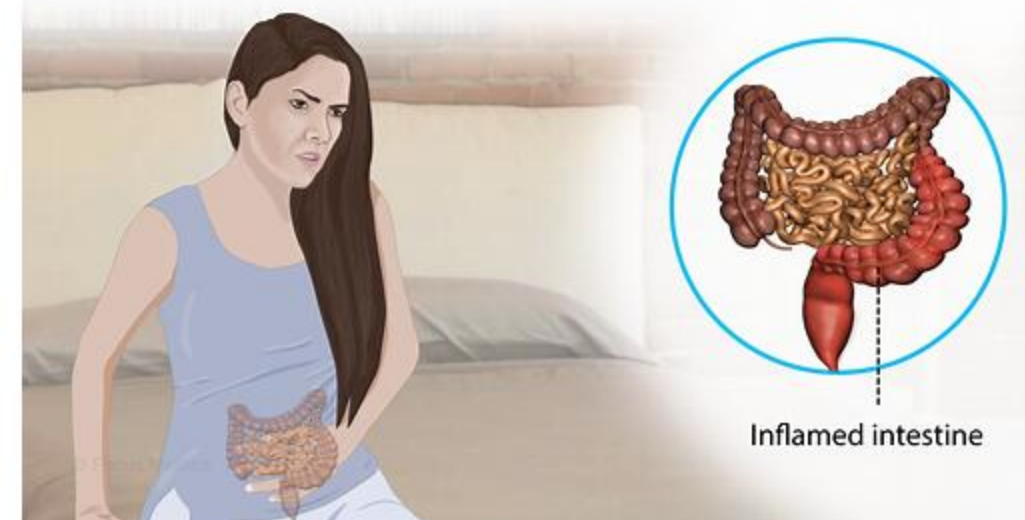
Author: Edward L Barnes, Choong-Chin Liew, Sa...

Publish Year: 2015

Inflammatory Bowel Disease

Medical Condition

A group of inflammatory conditions of the colon and small intestine



A group of intestinal disorders that cause inflammation of the digestive tract.

 Common (More than 200,000 cases per year in US)

 Often requires lab test or imaging