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Name of Journal: *World Journal of Gastroenterology***Manuscript NO:** 50734**Manuscript Type:** ORIGINAL ARTICLE*Observational Study*

Increased circulating circRNA_103516 is a novel biomarker for adult inflammatory bowel disease

Ye YL *et al.* circRNA_103516 in adult IBD

Abstract**BACKGROUND**

Increasing evidence demonstrates that by acting as microRNA sponges modulating gene expression at the transcriptional or post-transcriptional level, circular RNAs participate in the pathogenesis of a variety of diseases and are

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Background. MicroRNAs (miRNAs) consist of a group of small noncoding RNAs that partially regulate gene expression. We investigated the expression patterns of commonly deregulated miRNAs in Crohn's **disease** (CD) and ulcerative colitis (UC) in peripheral blood samples of **inflammatory bowel disease** ...

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Publish Year: 2012

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Circular RNAs: a **novel** tool in the development of digestive system **biomarker** As a class of endogenous non-coding RNA expressed by regulatory genes, **circular** RNAs (circRNAs) have attracted widespread attention due to their unique closed-loop structure.

Author: Lu Xia, Meiyi Song, Fei Wang Publish Year: 2018

Inflammatory Bowel Disease: Genetics, Epigenetics, and ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4629465>

Nov 02, 2015 · **Inflammatory bowel diseases** (IBDs) are complex, multifactorial disorders characterized by **chronic relapsing intestinal inflammation**. Although **etiology** remains largely unknown, recent research has suggested that genetic factors, environment, microbiota, and **immune response** are involved in the pathogenesis.

Published in: [Frontiers in Immunology](#) · 2015

Authors: [Italia Loddo](#) · [Claudio Romano](#)

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Thus, identifying **novel** factors that are uniquely deregulated in pediatric-UC patients, compared to **adult**



Increased circulating circular RNA_103516 is a novel biomark



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The rapid **increase** in the prevalence and severity of obesity in children is likely to lower the age of onset and **increase** the incidence of cardiovascular **disease** worldwide. Understanding the pathophysiology and improving the clinical management of cardiovascular **disease** involve a knowledge of **novel** risk factors and **biomarkers**.

Cited by: 285

Author: Prabhakaran Babu Balagopal, Sarah D de F...

Publish Year: 2011

KIF9-AS1, LINC01272 and DIO3OS lncRNAs as novel biomarkers ...

<https://www.spandidos-publications.com/10.3892/mmr.2017.8118> ▾

Long non-coding RNAs (lncRNAs) are a **novel** group of non-coding RNAs that are associated with inflammation and tumorigenesis. At present, the diagnostic efficacy of lncRNAs in **inflammatory bowel disease** (IBD) is unclear.

Cited by: 6

Author: Sen Wang, Yong Hou, Weiping Chen, Jianm...

Publish Year: 2017