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Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 60117

Manuscript Type: ORIGINAL ARTICLE

Retrospective Study

Searching for the valuable clinical indicators for distinguishing infantile-onset inflammatory bowel disease (IO-IBD) patients with monogenic diseases

Clinical indicators of IO-IBD

Abstract

BACKGROUND

IO-IBD occurs in very young children and causes severe clinical manifestations which have poor responses to traditional IBD treatments. At present, there are no simple and reliable laboratory indicators for early screening IO-IBD patients especially those who were caused by monogenic diseases

Searching for the valuable clinical indicators for distinguishing infa



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Very Early Onset Inflammatory Bowel Disease: A Clinical ...

<https://academic.oup.com/ibdjournal/article/26/6/820/5675340> ▼

Dec 03, 2019 · Indeed, a growing number of causative **monogenic** variants have been and are continuing to be identified among **patients** with VEO-IBD, especially within the **infantile-onset** IBD (younger than 2 years old). 1, 3–7 Uhlig et al reported that although the majority of **monogenic** IBD cases occur under 6 years of age, this is a spectrum with a ...

Cited by: 6

Author: Jodie Ouahed, Elizabeth Spencer, Dani...

Publish Year: 2020

Molecular Diagnosis of Infantile Onset Inflammatory Bowel ...

https://www.researchgate.net/publication/256424695_Molecular_Diagnosis_of_Infantile...

In **infantile-onset (IO-)** IBD, **monogenic diseases** causing persistent intestinal inflammation, such as Wiskott-Aldrich syndrome and hyper-IgM syndrome, are well documented [12,13] .

Very early-onset inflammatory bowel disease (IBD) in ...

https://www.researchgate.net/publication/262016496_Very_early-onset_inflammatory_bowel...

AIM **Infantile-onset inflammatory bowel disease (IO-IBD)** with the onset of **disease** before 12 mo of age, is a different **disease** entity from childhood IBD.

Umbilical Cord Blood Transplantation Corrects Very Early ...

<https://academic.oup.com/ibdjournal/article/24/7/1416/4999329> ▼

May 18, 2018 · We recommend umbilical cord blood transplantation as a potential treatment for very early-onset **inflammatory bowel disease** with a defined **monogenic** immunodeficiency, and we suggest that reduced-intensity conditioning chemotherapy is more suitable than myeloablative conditioning for **patients** with severe malnutrition and **bowel disease**.

Cited by: 13

Author: Kaiyue Peng, Xiaowen Qian, Zhiheng H...

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Very Early Onset Inflammatory Bowel Disease: A Clinical ...

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Characteristics of Inflammatory Bowel Disease With Onset ...

<https://www.researchgate.net/publication/6667286...>

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Umbilical Cord Blood Transplantation Corrects Very Early

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Recent advance in very early-onset inflammatory bowel disease

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6361014>

Nov 12, 2018 · Neonatal or **infantile-onset** IBD develops in less than 1% of pediatric **patients**. Children with **infantile-onset** IBD have high rates of affected first-degree relatives and severe **disease** course. The suspicion of a **monogenic** cause of VEO-IBD was first confirmed by the discovery of mutations in the genes encoding the interleukin 10 (IL-10) receptors ...

Cited by: 4

Author: Jung Ok Shim

Publish Year: 2019

The Diagnostic Approach to Monogenic Very Early Onset ...

<https://www.sciencedirect.com/science/article/pii/S0016508514009196>

Nov 01, 2014 · **Inflammatory bowel diseases** (IBDs) are a diverse group of complex and multifactorial disorders. The most common subtypes are Crohn's **disease** (CD) and ulcerative colitis (UC).^{1, 2} There is increasing evidence that IBD arises in genetically susceptible people, who develop a chronic and relapsing **inflammatory** intestinal immune response toward the intestinal microbiota.

Cited by: 422

Author: Holm H. Uhlig, Tobias Schwerd, Sibylle Kol...

Publish Year: 2014

Inflammatory bowel disease (IBD) - Diagnosis and treatment ...

<https://www.mayoclinic.org/diseases-conditions/...> ▾



Diagnosis

Treatment

Clinical Trials

Lifestyle and Home Remedies



Your doctor will likely diagnose inflammatory bowel disease only after ruling out other possible causes for your signs and symptoms. To help confirm a diagnosis of IBD, you may have one or more of the following tests and procedures:

See more on [mayoclinic.org](https://www.mayoclinic.org)

Inflammatory Bowel Disease

Medical Condition

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

 Treatments can help manage condition, no known cure

 Can be lifelong

IBD is said to be the result of autoimmune reactions. Inflammatory bowel disease (IBD) presents as Crohn's disease or ulcerative colitis. It may be characterized by diarrhea, abdominal pain and cramping, tiredness, and weight loss. Anti-inflammatory drugs play an important role in the treatment. Surgery is sometimes performed.

Symptoms

Symptoms may vary from mild to severe and include:

- Diarrhea
- Fever
- Fatigue
- Blood in stool
- Bleeding ulcers
- Stomach pain
- Bloating and cramping
- Reduced appetite
- Unintended weight loss
- Anemia
- Flatulence