

Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 61125

Manuscript Type: ORIGINAL ARTICLE

Observational Study

Patients with functional bowel disorder have disaccharidase deficiency: A single-center study from Russia

Functional bowel disorders and disaccharidase deficiency

Abstract

BACKGROUND

Functional bowel disorder (FBD) may be caused by a decrease in disaccharidase activity. Thus, the timely diagnosis of disaccharidase deficiency could lead to a better prognosis in patients with this condition.

AIM

To determine the potential value of intestinal disaccharidases, glucosylase, maltase

Match Overview

1	Crossref 29 words Ivan Cancarevic, Mahnoor Rehman, Beshoy Iskander, Saneer Lalani, Bilal Haider Malik. "Is There a Correlation Between I...	1%
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Disaccharidase deficiencies are reportedly underdiagnosed in pediatric populations. Though typically thought to cause diarrheal disease, they can also be a cause of abdominal pain and dyspepsia, and patients diagnosed with these functional disorders may actually have associated enzyme deficiencies. While the effects of lactose deficiency have been widely studied, sucrase, maltase, and ...

Cited by: 2

Author: Mora V. Puertolas, Amanda C. Fifi

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Nutrients 2018, 10, 1835 3 of 8 Table 2. Studies reviewed that found a relationship with possible functional gastrointestinal disorders (FGIDs) and disaccharidase deficiencies.

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A total of 3 (10.7%) had pan-disaccharidase deficiency. Clinical symptoms did not differentiate those with vs. without a disaccharidase deficiency (Table 2). Though not statistically significant, non-White vs. White subjects were more likely to have a disaccharidase deficiency ...

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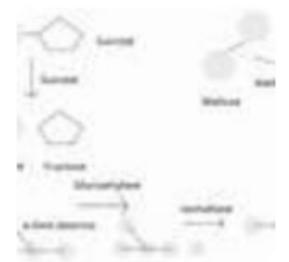
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Disaccharidase deficiencies are reportedly underdiagnosed in pediatric populations. Though typically thought to cause diarrheal disease, they can also be a cause of abdominal pain and dyspepsia, and **patients** diagnosed with these **functional disorders...**

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<https://www.nature.com/articles/s41598-021-84535-9>

Mar 01, 2021 · **Patients** ranged in age from 8 to 17 years with a mean age of 13.4 ± 2.9 years and 72.4% were female. The pain duration ranged from 2 to 204 months with a mean of 33.2 ± 35.7 months.

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All of those with a **disaccharidase deficiency** in both studies had lactase **deficiency** with 8 (7.9%) and 5 (17.9%) of those in studies 1 and 2, respectively, having an additional **disaccharidase ...**

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Nutrients 2018, 10, 1835 3 of 8 Table 2. Studies reviewed that found a relationship with possible **functional** gastrointestinal **disorders** (FGIDs) and **disaccharidase** deficiencies.

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