

Association of Gut Microbial Clostridia With Brain Functional Connectivity and Gastrointestinal Sensorimotor Function in Patients With Irritable Bowel Syndrome, Based on Tripartite Network Analysis

SND-ID: snd1082-1. **Version:** 1.0. **DOI:** <https://doi.org/10.5878/ejppj-p674>

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SND1082-001-V1.0.zip (609.75 KB)

Citation

Simrén, M. (2019) Association of Gut Microbial Clostridia With Brain Functional Connectivity and Gastrointestinal Sensorimotor Function in Patients With Irritable Bowel Syndrome, Based on Tripartite Network Analysis (Version 1.0) [Data set]. University of Gothenburg. Available at: <https://doi.org/10.5878/ejppj-p674>

Creator/Principal investigator(s)

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Research principal

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Description

Clinical study assessing the interactions among the brain, gut, and microbiota affect the pathophysiology of irritable bowel syndrome (IBS). Data comes from a larger study where the role of gut microbiota for symptoms in IBS is explored, including interactions with other pathophysiological factors. (Labus, J.S., Osadchiy, V., Hsiao, E.Y. et al. (2019))

Language

[English](#)

Unit of analysis

[Individual](#)

Population

IBS and healthy controls; gut microbiota-brain-symptom interactions

Time Method

[Cross-section](#)

Sampling procedure

[Other](#)

Clinical sample of IBS patients; healthy volunteers

Time period(s) investigated

2010 - 2015

Data format / data structure

[Numeric](#)

Geographic spread

Geographic location: [Sweden](#)

Responsible department/unit

Department of internal medicine and clinical nutrition

Ethics Review

Gothenburg - Ref. 731-09

Research area

[Medical and health sciences](#) (Standard för svensk indelning av forskningsämnen 2011)

[Clinical medicine](#) (Standard för svensk indelning av forskningsämnen 2011)

[Gastroenterology and hepatology](#) (Standard för svensk indelning av forskningsämnen 2011)

[Health](#) (INSPIRE topic categories)

[Health](#) (CESSDA Topic Classification)

Keywords

[Irritable bowel syndrome](#), [Gut microbiota](#)

Publications

Labus, J.S., Osadchiy, V., Hsiao, E.Y. et al. Evidence for an association of gut microbial Clostridia with brain functional connectivity and gastrointestinal sensorimotor function in patients with irritable bowel syndrome, based on tripartite network analysis. *Microbiome* 7, 45 (2019)

doi:10.1186/s40168-019-0656-z

[Link to article](#)

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Accessibility level

Access to data through SND

Data are freely accessible

Use of data

[Things to consider when using data shared through SND](#)

Versions

Version 1.0. 2019-02-05

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[DDI 2.5](#)

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