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**Name of Journal:** *World Journal of Gastroenterology*

**Manuscript NO:** 61236

**Manuscript Type:** REVIEW

**Chronic** <sup>19</sup>intestinal failure and short bowel syndrome in Crohn's disease

Aksan A <sup>1</sup>*et al.* Chronic intestinal failure in Crohn's disease

Aysegül Aksan, Karima Farrag, Irina Blumenstein, Oliver Schröder, Axel U Dignass, Jürgen Stein

### Abstract

<sup>19</sup>Chronic intestinal failure (CIF) is a rare but feared complication of Crohn's disease. Depending on the remaining length of the small intestine, the affected intestinal segment, and the residual bowel function, CIF can result in a wide spectrum of symptoms, <sup>4</sup>from single micronutrient malabsorption to complete intestinal failure. Management of CIF has improved significantly in recent years. <sup>4</sup>Advances in home-



Short Bowel Syndrome and Intestinal Failure in Crohn's Disease. Crohn's disease is a chronic and progressive inflammatory disorder of the **gastrointestinal tract**. Despite the availability of powerful immunosuppressants, many patients with Crohn's disease still require one or more intestinal resections throughout the course of their disease.

**Author:** Berkeley N. Limketkai, Alyssa M. Parian, Neha D. Shah, Jean Frédéric Colombel

**Cited by:** 29

**Publish Year:** 2016

**Short Bowel Syndrome and Intestinal Failure in Crohn's Disease**  
pubmed.ncbi.nlm.nih.gov/26818425/

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PEOPLE ALSO ASK

- What is chronic intestinal failure?
- What is the function of the small intestine with Crohns disease?
- What is short bowel syndrome (SBS)?
- What are the signs and symptoms of short bowel syndrome?

Feedback

**Short Bowel Syndrome and Intestinal Failure in Crohn's Disease**  
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Crohn's disease is a chronic and progressive inflammatory disorder of the gastrointestinal tract. Despite the availability of powerful immunosuppressants, many patients with Crohn's disease still require one or more intestinal resections throughout the course of their disease. Multiple resections and a **progressive reduction in bowel length** can lead to the development of short **bowel** syndrome, a form of intestinal ...

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AbstractEpidemiologyPredictorsPathophysiologyCompl

Crohn's disease (CD) is a chronic and progressive inflammatory disorder of the gastrointestinal tract. Despite the availability of powerful immunosuppressants, more than half of patients with CD undergo an intestinal resection within 10 years after diagnosis, and a third of them may require a repeat resection within 5 years.1,–3Multiple resections and a progressive reduction in bowel length may eventually lead to the development of short bowel syndrome (SBS). Moreover, patients with active intestinal inflammation ...

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**Publish Year:** 2016

**Published:** Jan 28, 2016

**Short bowel syndrome and intestinal failure in Crohn's ...**  
https://jhu.pure.elsevier.com/en/publications/...

Despite the availability of powerful immunosuppressants, many patients with Crohn's disease still require one or more intestinal resections throughout the course of their disease. **Multiple resections and a progressive reduction in bowel length can lead to the development of short bowel syndrome, a form of intestinal failure that compromises fluid, electrolyte, and nutrient absorption.**

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[PDF] **Short Bowel Syndrome and Crohn's Disease**  
https://www.crohnscolitisfoundation.org/sites/...

Short Bowel Syndrome and Crohn's Disease Short bowel syndrome (sometimes referred to as SBS) is a **disorder that affects people who have had large portions of their small intestine surgically removed as a result of a digestive illness, such as Crohn's disease.** Approximately 10,000–20,000 people in the United States have short bowel syndrome.

**Images of Chronic Intestinal Failure and Short Bowel Syndrome in ...**  
bing.com/images



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**Challenges in Crohn's disease: Intestinal failure and ...**  
https://www.sciencedirect.com/science/article/pii/S104314892030018X

Jun 01, 2020 · Intestinal failure (IF) is a feared complication of Crohn's disease (CD), although data on the true incidence are sparse.

**Author:** Mattias Soop

**Publish Year:** 2020

**Intestinal failure and short bowel syndrome - Medicine**  
https://www.medicinejournal.co.uk/article/S1357-3039(19)30046-5/fulltext

Intra-abdominal infection, enteritis (Crohn's disease, radiation), partial or intermittent bowel obstruction, sudden cessation of drugs, opiate withdrawal and prokinetics can contribute to a high output.

[PDF] **ESPEN guidelines on chronic intestinal failure in adults**  
https://www.espen.org/files/ESPEN-Guidelines/1...

Intestinal transplantation **Short bowel syndrome** Intestinal pseudo-obstruction summary Background & aims: **Chronic Intestinal Failure** (CIF) is the long-lasting reduction of gut function, below the minimum necessary for the absorption of macronutrients and/or water and electrolytes, such that

**Short Bowel Syndrome: Proper Treatment and Diet**  
https://www.verywellhealth.com/short-bowel...

Mar 23, 2020 · Crohn's disease with multiple resections Congenital conditions such as **congenital short bowel syndrome**, gastroschisis, Hirschspring's disease, meconium ileus, microvillus inclusion disease, midgut volvulus, and omphalocele. Damage to the small ...

**Short Bowel Syndrome**

Medical Condition

Inability to absorb nutrients from food due to having a short small intestine.

Very rare (Fewer than 20,000 cases per year in US)

Requires lab test or imaging

Treatments can help manage condition, no known cure

Can be lifelong

May be due to surgical removal of part of the small intestine or being born with part of the intestine missing. Symptoms include chronic diarrhea, bloating, gas, fatigue and weakness. Treatment involves medication to relieve symptoms and giving minerals and vitamins.

Symptoms

The chief symptom is chronic diarrhea

Other symptoms include:

- Bloating
- Fatigue
- Gas and heartburn
- Weight loss
- Cramping
- Weakness

Treatments

The goals of treatment are to ease symptoms and provide minerals and vitamins.

Medication

- Anti-diarrheal drugs: To control diarrhea.  
Loperamide · codeine
- Glucagon-like peptide 2 analog: Promotes mucosal growth and may restore gastric emptying and secretion.  
Teduglutide
- Dietary supplements: Vitamins and mineral supplements are given orally for mild cases.  
Vitamin A · Vitamin D · Vitamin E · Vitamin K

Self care

- Take oral rehydration salts.
- Take small meals throughout the day.

**Medical procedures:** Intubation

**Therapies:** Intravenous therapy

Causes

Causes of short bowel syndrome include:

- Surgical removal of a portion of the small intestine. Conditions like Crohn's disease and traumatic injuries may require removal of the small intestine.
- Being born with a shorter bowel (congenital short bowel syndrome).

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