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1 **Crossref** 20 words
"Hirschsprung's Disease and Allied Disorders", Springer Science and Business Media LLC, 2019

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Name of Journal: *World Journal of Gastrointestinal Surgery*

Manuscript NO: 64229

Manuscript Type: MINIREVIEWS

Persistent bowel dysfunction after surgery for Hirschsprung's disease: A neuropathological perspective

Sanne J Verkuijl, Florian Friedmacher, Patrick N Harter, Udo Rolle, Paul MA Broens

Abstract

Hirschsprung's disease (HD) is a congenital disorder, characterized by aganglionosis in the distal part of the gastrointestinal tract. Despite complete surgical resection of the aganglionic segment, both constipation and fecal incontinence persist in a considerable



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Fecal incontinence is common **after surgery** for **Hirschsprung's disease** and has a significant impact on social activities. Some aspects of **bowel function** did improve with age.

[Colonic motility after surgery for Hirschsprung's disease ...](https://www.researchgate.net/publication/12394389...)

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The majority of children with **Hirschsprung disease (HD)** **after corrective surgery** (CS) develop protracted **defecation disorders (DDs)** such as constipation, fecal incontinence, and/or enterocolitis.

[Molecular Genetic Anatomy and Risk Profile of Hirschsprung ...](https://www.nejm.org/doi/full/10.1056/NEJMoa1706594)

<https://www.nejm.org/doi/full/10.1056/NEJMoa1706594>

Cited by: 55

Author: Joseph M. Tilghman, Albee Y. Ling, Tychele N...

Publish Year: 2019


Hirschsprung's Disease

Medical Condition

A birth defect where missing nerves in the intestine cause problems with passing stool

 Rare (Fewer than 200,000 cases per year in US)

 Often requires lab test or imaging

 Treatment from medical professional advised

 Can last several months

Hirschsprung disease is caused due to missing nerves in the large intestine making

Persistent bowel dysfunction after surgery for Hirschsprung's disease



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<https://www.sciencedirect.com/science/article/pii/S0002961007001572>

Jul 01, 2007 · **Intestinal neuronal dysplasia** is a possible cause of **persistent bowel symptoms after pull-through operation for Hirschsprung's disease** J Pediatr Surg , 30 (1995) , pp. 253 - 257 discussion 257–9

Cited by: 23

Author: Shu-Cheng Zhang, Yu-Zuo Bai, Wei Wan...

Publish Year: 2007

[Long-term results of treatment of Hirschsprung's disease ...](#)

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Long-term continence after surgery for Hirschsprung's disease

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Fecal incontinence is common after surgery for Hirschsprung's disease and has a significant impact on social activities. Some aspects of bowel function did improve with age.

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Colonic Motility After Surgery for Hirschsprung's Disease ...

https://www.researchgate.net/publication/12394389...

Years after surgery for Hirschsprung's disease, many children continue to suffer from fecal incontinence or constipation. The purpose of the present investigation was to define the physiology ...

Residual aganglionosis after pull-through operation for ...

https://www.researchgate.net/publication/51521690...

Most patients with Hirschsprung's disease (HD) have a satisfactory outcome after pull-through (PT) operation. However, some children continue to have persistent bowel symptoms after the initial ...

Surgery, Surgical Pathology, and Postoperative Management ...

https://journals.sagepub.com/doi/full/10.1177/1093526619889436

Nov 20, 2019 · Once the diagnosis of Hirschsprung disease (HSCR) is confirmed with a biopsy, an operative strategy must be determined. In general, infants who are less than 6 months old who do not exhibit signs or symptoms of enterocolitis or failure to thrive may be candidates for rectal irrigations for bowel decompression followed by a primary (1-stage) pullthrough procedure.

Cited by: 5 Author: Caitlin Smith, Lusine Ambartsumyan, Raj P ...

Publish Year: 2020 Estimated Reading Time: 11 mins

An example of psychological adjustment in chronic illness ...

https://link.springer.com/article/10.1007/s00383-006-1651-6

Feb 17, 2006 · While surgery treats the acute symptoms of bowel obstruction and vomiting in Hirschsprung's disease (HD), ongoing bowel functioning remains a problem. HD is defined by the congenital lack of ganglion cells in the distal bowel with variable degree of proximal extension [3 – 6].

Cited by: 26 Author: E. Athanasakos, E. Athanasakos, J. Starlin...

Publish Year: 2006

Hirschsprung's Disease

Medical Condition

A birth defect where missing nerves in the intestine cause problems with passing stool.

Rare (Fewer than 200,000 cases per year in US)

Often requires lab test or imaging

Treatable by a medical professional

Can last several months

Hirschsprung disease is caused due to missing nerves in the large intestine making it difficult to pass stools. The characteristic symptom is that the baby fails to pass the first stool (meconium) within 48 hours after birth. The condition can be treated surgically.

Symptoms

The first symptom noticed is that the newborn does not pass the first stool (meconium) within 48 hours after birth. Explosive stools are seen when the doctor inserts a finger into the rectum. The condition is most often seen in newborns. If it is seen in older children symptoms include:

- Swollen stomach, bloating
- Vomiting green or brown colored substance
- Infrequent, explosive stools
- Infection
- Abdominal pain
- Constipation
- Excessive gas
- Diarrhea

Treatments

The condition can be treated surgically.

Medical procedures: Pull-through procedure · Bowel resection with colostomy · Serial rectal irrigation