

Match Overview

1	Crossref 30 words "Diffuse Gastric Cancer", Springer Science and Business Media LLC, 2018	1%
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Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 58765

Manuscript Type: CASE REPORT

Case series of three patients with hereditary diffuse gastric cancer in a single family

Case series of HDGC in a Japanese family

Abstract

BACKGROUND

Hereditary diffuse gastric cancer (HDGC) is a familial cancer syndrome often associated with germline mutations in the *CDH1* gene. However, the frequency of *CDH1* mutations is low in patients with HDGC in East Asian countries. Herein, we report three cases of HDGC harboring a missense *CDH1* variant, c.1679C>G, from a single Japanese family.

CASE SUMMARY



Case series of three patients with hereditary diffuse gastric cancer ir



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1. JSLs. 2010 Jul-Sep;14(3):348-52. doi: 10.4293/108680810X12924466007449. Prophylactic laparoscopic gastrectomy for hereditary diffuse gastric cancer: a case series in a single family. Hackenson D(1), Edelman DA, McGuire T, Weaver DW, Webber JD. Author information: (1)Department of Surgery, Wayne State University, Detroit, Michigan 48201, USA.

Cited by: 13

Author: David Hackenson, David A. Edelman, Tim...

Publish Year: 2010

Hereditary Diffuse Gastric Cancer: Multidisciplinary Case ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3038690>

2. Molecular Carcinogenesis. Only a small number, 2–8%, of all gastric carcinomas arise from inherited gastric cancer syndromes [1, 2]. The majority of families with autosomal dominant familial gastric carcinoma will have the diffuse, poorly differentiated (linitis plastica) morphologic subtype and are referred to as hereditary diffuse gastric cancer (HDGC).

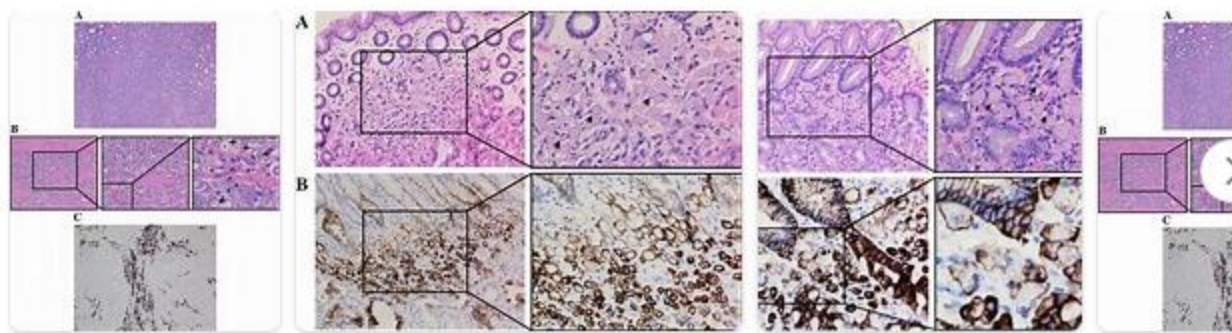
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Hereditary diffuse gastric cancer is a form of **gastric cancer** associated, in about 40 % of cases, with a germline mutation of the CDH1 gene. The management of **patients** with a pathogenic mutation of this gene is based on total prophylactic gastrectomy because, until ...

Author: Jadot, Segers K, Bours, Kohnen L, Hono... **Publish Year:** 2019

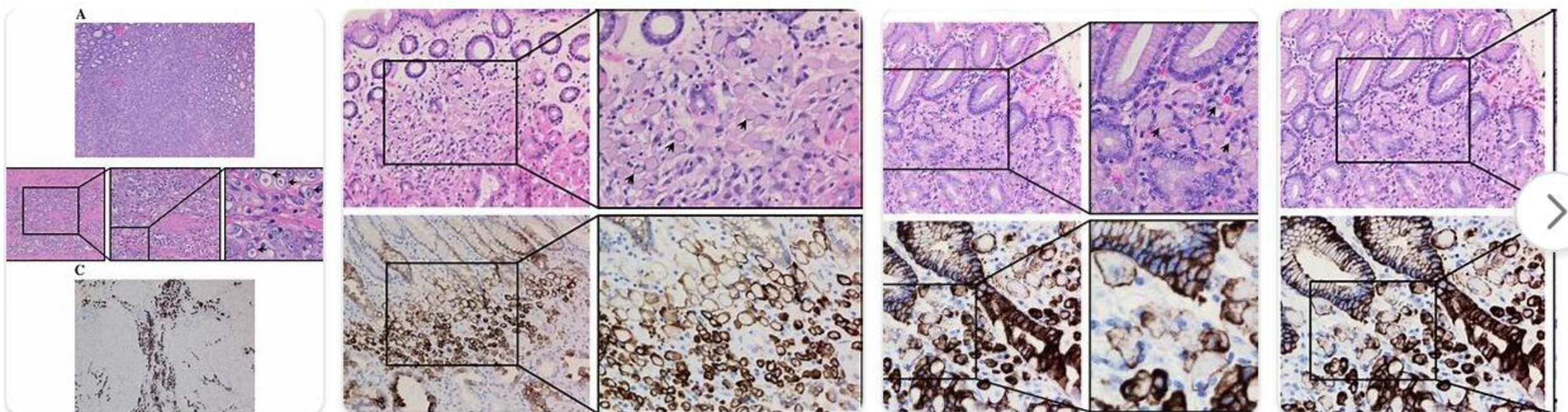
Hereditary Diffuse Gastric Cancer - National Cancer Institute

<https://www.cancer.gov/pediatric-adult-rare-tumor/...> ▼

Hereditary diffuse gastric cancer, or HDGC, is a type of rare **cancer** that grows in the **stomach**, which is the organ that helps digest food. HDGC usually grows in more than one area of the **stomach**, so it can be difficult to detect and treat. It can grow quickly and can spread to other parts of the body.

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Hereditary diffuse gastric cancer (HDGC) was initially described in 1964 in **three** Maori families from New Zealand . It is an autosomal dominantly inherited syndrome attributed to mutations of the E-cadherin gene (CDH1 , epithelial cadherin, OMIM#19209), identified by Guilford et al.[5] in 1998 in members of these Maori families.

Cited by: 28

Author: Henry T. Lynch, Edibaldo Silva, Debrah ...

Publish Year: 2008

Hereditary diffuse gastric cancer: updated clinical ...

[https://www.thelancet.com/journals/lanonc/article/PIIS1470-2045\(20\)30219-9/fulltext](https://www.thelancet.com/journals/lanonc/article/PIIS1470-2045(20)30219-9/fulltext)

Hereditary diffuse gastric cancer (HDGC) is an autosomal dominant **cancer** syndrome that is characterised by a high prevalence of **diffuse gastric cancer** and lobular breast **cancer**. It is largely caused by inactivating germline mutations in the tumour suppressor gene CDH1, although pathogenic variants in CTNNA1 occur in a minority of families with HDGC.

Cited by: 1

Author: Vanessa R Blair, Maybelle McLeod, Fátim...

Publish Year: 2020

Hereditary Diffuse Gastric Cancer: Multidisciplinary Case ...

<https://www.hindawi.com/journals/pri/2011/845821> ▾

Hereditary diffuse gastric cancer (HDGC) is a rare, inherited **cancer** syndrome with at least one fourth of HDGC **patients** having an autosomal dominantly inherited mutation of CDH1 (E-Cadherin). Penetrance is relatively high (70–80% lifetime risk for **gastric cancer**). It is important for pathologists to recognize the syndrome's phenotype in early **gastric** lesions: patchy intramucosal signet ...

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Author: Rebecca Wilcox, Melody Perpich, Amy N...

Publish Year: 2011

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Hereditary diffuse gastric cancer

Hereditary diffuse gastric cancer is an inherited genetic syndrome most often caused by an inactivating mutation in the E-cadherin gene located on chromosome 16. Individuals who inherit an inactive copy of the CDH1 gene are at significantly elevated risk for developing stomach cancer. For this reason, individuals with these mutations will often elect to under go prophylactic gastrectomy, or a complete removal of the stomach to prevent this cancer. Mutations in CDH1 are also associated with high risk of lobular breast cancers, and may be associated with a mildly elevated risk of colon cancer.

 Wikipedia

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