

Name of Journal: *World Journal of Radiology*

Manuscript NO: 32990

Manuscript Type: Case Report

Imatinib response of gastrointestinal stromal tumor patients with germline mutation on *KIT* exon 13: A family report

Gulgun Engin, Serpil Eraslan, Hülya Kayserili, Yersu Kapran, Haluk Akman, Ali Akyuz, Nuri Faruk Aykan

Abstract

³ Familial gastrointestinal stromal tumor (GIST) is a rare autosomal dominant disorder associated with mutations in the *KIT* gene in the majority of cases. Although, exon 11 appears to be the hot spot region for approximately 95% of germline mutations, pathogenic variations have also been identified in exon 8, 13 and 17. Exon 13 germline mutations are extremely rare amongst familial GISTs and

Match Overview

1	Internet 62 words crawled on 03-Jun-2016 www.ncbi.nlm.nih.gov	3%
2	Crossref 53 words Nishida, Toshiro, Jean-Yves Blay, Seiichi Hirota, Y uko Kitagawa, and Yoon-Koo Kang. "The standard	2%
3	Crossref 32 words Chompret, A. "PDGFRA germline mutation in a fa... mily with multiple cases of gastrointestinal stromal t	1%
4	Internet 24 words crawled on 18-Jun-2017 www.wjgnet.com	1%
5	Internet 23 words crawled on 10-Dec-2005 gut.bmjournals.com	1%
6	Crossref 21 words Wozniak, Agnieszka, Giuseppe Floris, Maria Debie c-Rychter, Raf Sciort, and Patrick Schöffski. "Implica	1%
7	Crossref 15 words "UEG Week 2014 Poster Presentations", United Eu ropean Gastroenterology Journal, 2014.	1%
8	Internet 15 words crawled on 31-May-2017 clinicalsarcomaresearch.biomedcentral.com	1%



All

News

Images

Videos

Shopping

More

Settings

Tools

About 193,000 results (1.10 seconds)

[Syndromic gastrointestinal stromal tumors | Hereditary Cancer in ...](https://hccjournal.biomedcentral.com/articles/10.1186/s13053-016-0055-4)

hccjournal.biomedcentral.com/articles/10.1186/s13053-016-0055-4
19 Jul 2016 - Syndromic GIST Hereditary GIST Familial GIST PDGFRA-mutant syndrome Average age-at-diagnosis of germline KIT-dependent GISTs anticipates that of sporadic cases of ~10 ... Type of report (family vs. single individual) found in sporadic GISTs); 3) KIT exon-11 mutations appear enriched in p.

[Inherited gastrointestinal stromal tumor syndromes: mutations, clinical ...](https://clinicalsarcomaresearch.biomedcentral.com/articles/10.1186/2045-3329-2-16)

https://clinicalsarcomaresearch.biomedcentral.com/articles/10.1186/2045-3329-2-16 ▼
by MA Postow - 2012 - Cited by 30 - Related articles

4 Oct 2012 - Michael A Postow and; Mark E RobsonEmail author ... This same mutation was observed in the subjects' GIST tumors and resulted ... in the first family with an identified germline mutation in familial GIST, does Despite the lack of KIT mutations in most cases of NF1 GIST, one case report indicated disease ...

[Familial gastrointestinal stromal tumors associated with dysphagia ...](https://www.ncbi.nlm.nih.gov/pubmed/11984533)

https://www.ncbi.nlm.nih.gov/pubmed/11984533
by S Hirota - 2002 - Cited by 196 - Related articles

Familial gastrointestinal stromal tumors associated with dysphagia and novel ... A family with multiple gastrointestinal stromal tumors (GISTs), a new type of ... cases of GISTs with TK II domain mutations, including sporadic GISTs. ... This is the first report of familial dysphagia caused by germline gain-of-function mutation of ...

[\[PDF\] Familial Gastrointestinal Stromal Tumor Syndrome: Report of 2 Cas...](https://moffitt.org/media/1274/102.pdf)

https://moffitt.org/media/1274/102.pdf ▼
by DH Jones - 2015 - Cited by 5 - Related articles

3 reported cases of familial GIST syndrome aris- ... familial GIST involving the same mutation in exon 11 ... Although gastrointestinal stromal tumor (GIST) is the ... woman 29 years of age presented for screening due to a family history of GIST.

[Rectal gastrointestinal stromal tumors associated with a novel ...](#)

About 52,100 results (0.75 seconds)

Scholarly articles for **Imatinib response of gastrointestinal stromal tumor patients with germline mutation on KIT exon 13: A family report**

Biology of **gastrointestinal stromal tumors** - Corless - Cited by 1203

... a ubiquitous feature of **gastrointestinal stromal tumors** - Rubin - Cited by 1006

... of **imatinib** resistance in **gastrointestinal stromal tumors** - Heinrich - Cited by 690

Germline mutations of KIT in gastrointestinal stromal tumor (GIST) and ...

<https://www.ncbi.nlm.nih.gov> > NCBI > Literature > PubMed Central (PMC)

by H Ke - 2016 - Cited by 2 - Related articles

18 Oct 2016 - List of **germline KIT mutations** in familial GIST and mastocytosis ... found in **exon 17**, **germline KIT mutations** are located in **exon 8, 9, 10, 13** and **17**. ... There are no any **reports** about deficiency in other hematopoietic cells in **patients** that carry **stromal tumors** with fair **response** to a half-dose of **imatinib**.

(GIST) and germline mutation of KIT exon 13 - Science Direct

www.sciencedirect.com/science/article/pii/S0959804913003079 ▼

by JB Bachet - 2013 - Cited by 27 - Related articles

Twenty affected **patients** were identified in the three **families**. ... **Gastrointestinal stromal tumour**. KIT. p.K642E. **Imatinib**. **Germline mutation** ... study, we report clinical presentation and prognosis of a large series of **patients** with **germline mutation**, and **response** to **imatinib** of six sporadic **patients** with **KIT exon 13** mutations.

Imatinib in the Management of Multiple Gastrointestinal Stromal ...

[www.archivesofpathology.org/.../1543-2165\(2007\)131%5B1393%3AITMOM%5D2.0...](http://www.archivesofpathology.org/.../1543-2165(2007)131%5B1393%3AITMOM%5D2.0...)

by J Graham - 2007 - Cited by 43 - Related articles

Case Report. **Imatinib** in the ... **Gastrointestinal stromal tumors** (GISTs) are the most ... 8 and 17 have also been described, and there are 2 **families** ... which a **germline KIT exon 13** mutation (K642E) was dis- covered in a **patient** with multiple GISTs of rectum, small tumor achieved a partial response to **imatinib** therapy. 2 In

全部

新闻

图片

视频

购物

更多

设置

工具

找到约 14,300 条结果 (用时 0.79 秒)

Google 学术: Imatinib response of gastrointestinal stromal tumor patients with germline mutation on KIT exon 13: A family report

Biology of gastrointestinal stromal tumors - Corless - 被引用次数: 1207

... a ubiquitous feature of gastrointestinal stromal tumors - Rubin - 被引用次数: 1006

... of imatinib resistance in gastrointestinal stromal tumors - Heinrich - 被引用次数: 690

Familial GI Stromal Tumor With Loss of Heterozygosity and ...

ascopubs.org/doi/full/10.1200/jco.2013.51.6633 - 翻译此页

作者: PM Forde - 2014 - 被引用次数: 4 - 相关文章

Here we report a patient with FGS that remained occult for many years, despite ... revealed a germline mutation in the KIT gene, and examination of tumor tissue ... Given the patient's significant family history of GIST, we next pursued DNA ... However, mutations in KIT exons 8, 13, and 17 have been described, as well as ...

Germline mutations of KIT in gastrointestinal stromal tumor (GIST) and ...

<https://cellandbioscience.biomedcentral.com/articles/10.../s13578-016-0120-...> - 翻译此页

作者: H Ke - 2016 - 被引用次数: 2 - 相关文章

2016年10月18日 - Thus, imatinib was approved for the treatment of GIST [6], where it improved KIT is most common in GIST, and exon 9 and 13 mutations are also often ... List of germline KIT mutations in familial GIST and mastocytosis There are no any reports about deficiency in other hematopoietic cells in patients that ...

Updates on the management of Gastrointestinal Stromal Tumors (GIST)

<https://www.ncbi.nlm.nih.gov> > NCBI > Literature > PubMed Central (PMC) - 翻译此页

作者: ZM Bamboat - 2012 - 被引用次数: 34 - 相关文章

Familial GISTs occur and result from a germline mutation in either the KIT or ... Other described regions include exons 13, 14, and 17 (17, 18) ... The report of successfully treating a patient with metastatic