Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 53190

Manuscript Type: ORIGINAL ARTICLE

Basic Study

Mutation analysis of related genes in hamartoma polyps tissue of Peutz-Jeghers syndrome

Zhi Zhang, Fu-Xiao Duan, Guo-Li Gu, Peng-Fei Yu

Abstract

BACKGROUND

国内版 国际版

Mutation analysis of related genes in hamartoma polyps

ALL IMAGES VIDEOS

29,400 Results Any time

Molecular genetic alterations in hamartomatous polyps and ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1731344

Aim—To investigate whether **mutations** in the STK11/LKB1 **gene** and **genes** implicated in the colorectal adenoma–carcinoma sequence are involved in Peutz-Jeghers **syndrome** (PJS) **related** tumorigenesis.. Methods—Thirty nine **polyps** and five carcinomas from 17 patients (from 13 families) with PJS were analysed for loss of heterozygosity (LOH) at 19p13.3 (STK11/LKB1 **gene** locus), 5q21 (APC **gene** ...

Cited by: 117 **Author:** M M Entius, J J Keller, A M Westerman, ...
Publish Year: 2001

Molecular genetic alterations in hamartomatous polyps and ...

https://jcp.bmj.com/content/54/2/126

Feb 01, 2001 · **hamartoma**; **Peutz-Jeghers syndrome** (PJS) is a rare autosomal dominant condition characterised by **hamartomatous polyps**, which can occur throughout the gastrointestinal tract, and melanin spots found on the lips and buccal mucosa. 1, 2 Patients with PJS have an increased risk of developing cancer at a relatively young age. 3 – 5 **Malignancies** occur in the gastrointestinal tract but ...

Cited by: 117 **Author:** M M Entius, J J Keller, A M Westerman, ...
Publish Year: 2001

Nasal polyposis in Peutz–Jeghers syndrome: a distinct ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2001113

Jun 14, 2006 · **Peutz**–Jeghers syndrome (PJS) is an autosomal dominant **hamartomatous polyposis syndrome** of the gastrointestinal tract, caused by a **germline** STK11/LKB1 **mutation**. **Nasal polyposis** was described in the original report by **Peutz**. Recently, a molecular–**genetic association** between **nasal polyposis** and PJS has been reported.

Cited by: 11 **Author:** Wendy W J de Leng, Anne Marie Wester...
Publish Year: 2006

A novel mutation in the STK11 gene causes heritable Peutz ...

https://bmcmedgenet.biomedcentral.com/articles/10.1186/s12881-017-0373-z

Feb 23, 2017 · **Peutz-Jeghers syndrome** (PJS) is a rare disorder characterized by multiple **gastrointestinal hamartomatous polyps** and **mucocutaneous pigmentation**. STK11 has been identified as a **causative gene** for this disease. Herein we report a **Chinese Han kindred** with PJS. Onset for the PJS signs in three of the patients was rarely as early as at birth.

Cited by: 1 **Author:** Jing-Hui Chen, Jing-Jing Zheng, Qin Guo, ...

Mutation analysis of related genes in hamartoma polyps

ALL IMAGES VIDEOS MAPS NEWS SHOPPING

29,300 Results Any time

Must Peutz-Jeghers syndrome patients have the LKB1/STK11 ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6107527

Aug 16, 2018 · **Peutz-Jeghers syndrome** (PJS) is an autosomal dominant inherited disease, which is characterized by **mucocutaneous pigmentation** and multiple **gastrointestinal hamartoma polyps**. The **germline mutation** of **LKB1/STK11 gene** on chromosome 19p13.3 is ...

Cited by: 3 **Author:** Fu-Xiao Duan, Guo-Li Gu, Hai-Rui Yang, ...
Publish Year: 2018

Somatic Mutations of LKB1 and β-Catenin Genes in ...

https://cancerres.aacrjournals.org/content/60/22/6311

Nov 15, 2000 · **Germ-line mutations** of the **LKB1 gene** were detected in six PJS families. **Somatic mutations** of the **LKB1 gene** were found in 5 **polyps**, whereas loss of heterozygosity (LOH) at the LKB1 locus at 19p was seen in 14 other **polyps**. In adenomatous lesions microdissected from **hamartomatous polyps**, both **β -catenin mutation** and 19p LOH were detected.

Cited by: 99 **Author:** Michiko Miyaki, Takeru Iijima, Keiko Hoso...
Publish Year: 2000

Peutz-Jeghers syndrome | Genetic and Rare Diseases ...

https://rarediseases.info.nih.gov/diseases/7378/peutz-jeghers-syndrome

Mar 15, 2015 · Peutz-Jeghers **syndrome** (PJS) is caused by changes (**mutations**) in the STK11 **gene**. STK11 is a tumor suppressor **gene** which means that it encodes a protein that helps keep cells from growing and dividing too rapidly or in an uncontrolled way.

Peutz-Jeghers Syndrome | Cancer.Net

https://www.cancer.net/cancer-types/peutz-jeghers...

PJS is a **genetic condition** that predisposes a person to an increased risk of developing **cancer** and **polyps**. This means that the condition can be passed from generation to generation in a family. **PJS** is caused by inheriting a **mutation** in the STK11 **gene**, also known as the **LKB1 gene**.

(PDF) Somatic mutations of LKB1 and β-catenin genes in ...

/global.bing.com/maps?q=Mutation+analysis+of+related+genes+in+hamartoma+polyps+tissue+of+Peutz-Jeghers+syndrome&FORM=HDRSC4

Peutz–Jeghers syndrome

Autosomal Dominant Genetic Disorder

Peutz–Jeghers syndrome is an autosomal dominant genetic disorder characterized by the development of benign hamartomatous polyps in the gastrointestinal tract and hyperpigmented macules on the lips and oral mucosa. This syndrome can be classed as one of various hereditary intestinal polyposis syndromes and one of various hamartomatous polyposis syndromes. It has an incidence of approximately 1 in 25,000 to 300,000 births.

Wikipedia

People also search for

Lynch Syndrome

Gardner's syndrome

Cowden syndrome

Juvenile polyposis syndrome

Hereditary Hemorrhagic Telangiectasia

See more

Data from: Wikipedia

Suggest an edit