Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 59059

Manuscript Type: REVIEW

What could microRNA expression tell us more about colorectal serrated pathway carcinogenesis?

Milena Peruhova, Monika Peshevska-Sekulovska, Boris Krastev, Gabriela Panayotova, Viktoriya Georgieva, Rossitza Konakchieva, Georgi Nikolaev, Tsvetelina Veselinova Velikova

Abstract

In the last two decades, the vision of a unique carcinogenesis model for colorectal carcinoma (CRC) has completely changed. In addition to the adenoma to carcinoma transition, colorectal carcinogenesis can also occur *via* the serrated pathway. Small non-

21,900 Results Any time

Colorectal tumor molecular phenotype and miRNA: ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4967007

Introduction. MiRNAs are small, non-protein-coding RNA molecules that regulate gene **expression** either by post-transcriptionally suppressing mRNA translation or by causing mRNA degradation 1–6.We know that miRNAs play a critical role in regulation of proliferation, differentiation, apoptosis, and stress response and are involved in the majority of physiological processes 7, 8.

Cited by: 18 **Author:** Martha L Slattery, Jennifer S Herrick, Lila …

Publish Year: 2016

Differential expression of microRNA-320a, -145, and -192 ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4455926

BACKGROUND. **MicroRNA** (miR)-320a, miR-145, and miR-192 have been shown to play a role in **colorectal carcinogenesis** and metastasis. We examined if there is a difference in **expression** during the histologic progression from normal mucosa (NM) to high-grade dysplastic adenomas (HG).

Cited by: 7 **Author:** Vassiliki L. Tsikitis, Ian White, Motomi Mor…

45,100 Results Any time

Colorectal tumor molecular phenotype and miRNA: expression ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4967007

Introduction. MiRNAs are small, non-protein-coding RNA molecules that regulate gene **expression** either by post-transcriptionally suppressing mRNA translation or by causing mRNA degradation 1–6.We know that miRNAs play a critical role in regulation of proliferation, differentiation, apoptosis, and stress response and are involved in the majority of physiological processes 7, 8.

Cited by: 18 **Author:** Martha L Slattery, Jennifer S Herrick, Lila E ...
Publish Year: 2016

MicroRNA manipulation in colorectal cancer cells: from ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3539910

Background. **Colorectal** cancer (CRC) is the third most common neoplasm worldwide. According to the International Agency for Research on Cancer, approximately 1.24 million new cases of CRC were detected worldwide in 2008 [].The incidence of CRC is on the rise in developing countries, southern and eastern Europe [2-4].Contrary to the current trend in Europe, the incidence of CRC in the USA has ...

Cited by: 33 **Author:** Muhammad Imran Aslam, Muhammad Imr...
Publish Year: 2012

Differential expression of microRNA-320a, -145, and -192 ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4455926

BACKGROUND. **MicroRNA** (miR)-320a, miR-145, and miR-192 have been shown to play a role in **colorectal carcinogenesis** and metastasis. We examined if there is a difference in **expression** during the histologic progression from normal mucosa (NM) to high-grade dysplastic adenomas (HG).

Cited by: 7 **Author:** Vassiliki L. Tsikitis, Ian White, Motomi Mori,...
Publish Year: 2014

MicroRNA-31 expression in colorectal serrated pathway ...

https://www.researchgate.net/publication/265791204...

MicroRNA-31 **expression** in **colorectal serrated pathway** progression Article (PDF Available) in World Journal of Gastroenterology 20(34):12346-9 · September 2014 with 67 Reads How we measure 'reads'

MicroRNA regulation in colorectal cancer tissue and serum

https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0222013

Aug 30, 2019 · **Colorectal** cancer is recognized as the fourth leading cause of cancer-related deaths worldwide. Thus, there is ongoing search for potential new biomarkers allowing quicker and less invasive detection of the disease and prediction of the treatment outcome. Therefore, the aim of our study was to identify **colorectal** cancer specific miRNAs expressed in cancerous and healthy tissue from the same ...

Microsoft Bing

What could microRNA expression tell us more about colorectal serr

ALL IMAGES VIDEOS MAPS NEWS SHOPPING

45,400 Results Any time

MicroRNA manipulation in colorectal cancer cells: from ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3539910

Background. **Colorectal** cancer (CRC) is the third most common neoplasm worldwide. According to the International Agency for Research on Cancer, approximately 1.24 million new cases of CRC were detected worldwide in 2008 [].The incidence of CRC is on the rise in developing countries, southern and eastern Europe [2-4].Contrary to the current trend in Europe, the incidence of CRC in the USA has ...

Cited by: 51 **Author:** Muhammad Imran Aslam, Muhammad Im...
Publish Year: 2012

Colorectal tumor molecular phenotype and miRNA: expression ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4967007

Introduction. MiRNAs are small, non-protein-coding RNA molecules that regulate gene **expression** either by post-transcriptionally suppressing mRNA translation or by causing mRNA degradation 1–6.We know that miRNAs play a critical role in regulation of proliferation, differentiation, apoptosis, and stress response and are involved in the majority of physiological processes 7, 8.

Cited by: 18 **Author:** Martha L Slattery, Jennifer S Herrick, Lila ...
Publish Year: 2016

MicroRNA regulation in colorectal cancer tissue and serum

https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0222013

Aug 30, 2019 · **Colorectal** cancer is recognized as the fourth leading cause of cancer-related deaths worldwide. Thus, there is ongoing search for potential new biomarkers allowing quicker and less invasive detection of the disease and prediction of the treatment outcome. Therefore, the aim of our study was to identify **colorectal** cancer specific miRNAs expressed in cancerous and healthy tissue from the same ...

Cited by: 2 **Author:** Lukasz Gmerek, Lukasz Gmerek, Kari M...
Publish Year: 2019

MicroRNA-31 expression in colorectal serrated pathway

See results for

Cancer (Medical Condition)

A disease resulting from uncontrolled growth an cells.