

³
Name of journal: World Journal of Clinical Oncology

ESPS Manuscript NO: 19304

Columns: MINIREVIEWS

Colon cancer and ⁶⁵the epidermal growth factor receptor: Current treatment paradigms, the importance of diet, and the role of chemoprevention

Baldeep S Pabla, Marc Bissonnette, Vani J Konda

Abstract

Colorectal cancer represents the third most common and the second deadliest type of cancer for both men and women in the United States claiming over 50,000 lives in 2014. The 5-year survival rate for patients diagnosed with metastatic CRC is <15%. Early detection and more effective treatment is urgently needed to reduce morbidity and mortality of patients afflicted with this disease. Here we will review the risk factors and current treatment paradigms for colorectal cancer, with an emphasis on the role of chemoprevention as they relate to EGFR blockade. We will discuss how various EGFR ligands are upregulated in the presence of Western diets high in saturated and N-6 polyunsaturated fats. We will also outline the various mechanisms of EGFR inhibition that are induced by

Match Overview

1	Internet 36 words crawled on 03-Feb-2012 www.biomedcentral.com	<1%
2	Internet 33 words crawled on 04-May-2008 theoncologist.alphamedpress.org	<1%
3	Internet 32 words crawled on 10-Oct-2014 www.wjgnet.com	<1%
4	Internet 31 words crawled on 27-Dec-2013 171.66.121.246	<1%
5	Internet 26 words crawled on 23-May-2014 www.ncbi.nlm.nih.gov	<1%
6	Internet 25 words crawled on 20-Apr-2010 cancerres.aacrjournals.org	<1%
7	Internet 24 words crawled on 06-Nov-2014 gi.org	<1%
8	Internet 19 words crawled on 14-Apr-2015 www.discoverymedicine.com	<1%



Colon Cancer and the EGF Receptor: Current Treatment Paradigms, the



网页 新闻 图片 视频 更多 搜索工具

找到约 111,000 条结果 (用时 0.63 秒)

Google 学术 : Colon Cancer and the EGF Receptor: Current Treatment Paradigms, the Importance of Diet, and the Role of Chemoprevention

Dietary cancer-chemopreventive compounds: from ... - Chen - 被引用次数 : 186

... human epidermal growth factor receptor 2 (HER-2)/ ... - Howe - 被引用次数 : 213

Aspirin and the risk of colorectal cancer in women - Giovannucci - 被引用次数 : 1119

Polyethylene Glycol Mediated Colorectal Cancer ...

www.ncbi.nlm.nih.gov > ... > PubMed Central (PMC) ▾ 翻译此页

作者 : RK Wali - 2008 - 被引用次数 : 18 - 相关文章

Polyethylene Glycol Mediated Colorectal Cancer Chemoprevention: Roles of Epidermal ... We report herein the role of epidermal growth factor receptor (EGFR), a known ... One important issue which has stymied the acceptance of PEG as a ... in AOM-treated rats (10g PEG-3350/100g diet) significantly decreased EGFR ...

EGFR(S) Inhibitors in the Treatment of Gastro-Intestinal ...

www.ncbi.nlm.nih.gov > ... > PubMed Central (PMC) ▾ 翻译此页

作者 : SS Kanwar - 2010 - 被引用次数 : 4 - 相关文章

Current review describes the recent role of targeted therapies, specifically ... Importance of dietary agents in the treatment and prevention of GI cancers is also ... Among the GI cancers, colorectal cancer is the most common malignancy ... In this review we summarize the current state of clinical effectiveness of EGFR-targeted ...

Polyethylene glycol-mediated colorectal cancer ...

mct.aacrjournals.org/content/7/9/3103.full - 翻译此页

作者 : RK Wali - 2008 - 被引用次数 : 18 - 相关文章

We report herein the role of epidermal growth factor receptor (EGFR), a known mediator of ... AOM rats were randomized to either standard diet or one with 40%



Colon cancer and the epidermal growth factor receptor: Current treatme



网页 新闻 图片 视频 更多 搜索工具

找到约 301,000 条结果 (用时 1.17 秒)

Polyethylene Glycol Mediated Colorectal Cancer ...



www.ncbi.nlm.nih.gov > ... > PubMed Central (PMC) 翻译此页

作者: RK Wali - 2008 - 被引用次数: 18 - 相关文章

We report herein the role of epidermal growth factor receptor (EGFR), a known mediator of ... Keywords: colon cancer, chemoprevention, Polyethylene Glycol, Snail, EGFR ...

One important issue which has stymied the acceptance of PEG as a ... in AOM-treated rats (10g PEG-3350/100g diet) significantly decreased EGFR ...

Polyethylene glycol-mediated colorectal cancer ...

mct.aacrjournals.org/content/7/9/3103.full 翻译此页

作者: RK Wali - 2008 - 被引用次数: 18 - 相关文章

We report herein the role of epidermal growth factor receptor (EGFR), ... AOM rats were randomized to either standard diet or one with 10% ... PEG down-regulates EGFR in both AOM-treated rat and colon cancer HT-29 cells. ... The significance of EGFR in PEG chemoprevention is further highlighted by ... Current Issue,

[PDF] Angiogenesis Inhibition in the Prevention of Colorectal Ca...

www.angio.org/pdf/CRC3_Wall_Chart.pdf 翻译此页

作者: WW Li - 相关文章

regimens in both front-line and second-line mCRC treatment settings3. A number of ... 1, -2, and -3), platelet-derived growth factor receptor (PDGFR), and stem ... in cancer chemoprevention—the long-term use of oral agents at safe and tolerable doses ... importance of diet and lifestyle modifications for reducing cancer risk.

[PDF] Chemoprevention of colon carcinogenesis by polyethylen...

www.northwestern.edu/.../BackmanMCT_Wali_et_al2006.pdf 翻译此页

[网页](#)[新闻](#)[图片](#)[视频](#)[更多 ▾](#)[搜索工具](#)

找到约 118,000 条结果 (用时 0.50 秒)

Polyethylene Glycol Mediated Colorectal Cancer ...

www.ncbi.nlm.nih.gov > ... > [PubMed Central \(PMC\)](#) ▾ [翻译此页](#)

作者: RK Wali - 2008 - 被引用次数: 18 - 相关文章

We report herein the role of epidermal growth factor receptor (EGFR), a known mediator of ... Keywords: colon cancer, chemoprevention, Polyethylene Glycol, Snail, EGFR ... One important issue which has stymied the acceptance of PEG as a in AOM-treated rats (10g PEG-3350/100g diet) significantly decreased EGFR ...

Polyethylene glycol-mediated colorectal cancer ...

mct.aacrjournals.org/content/7/9/3103.full ▾ [翻译此页](#)

作者: RK Wali - 2008 - 被引用次数: 18 - 相关文章

We report herein the role of epidermal growth factor receptor (EGFR), ... AOM rats were randomized to either standard diet or one with 10% PEG down-regulates EGFR in both AOM-treated rat and colon cancer HT-29 cells. The significance of EGFR in PEG chemoprevention is further highlighted by Current Issue.

[PDF] Angiogenesis Inhibition in the Prevention of Colorectal Ca...

www.angio.org/pdf/CRC3_Wall_Chart.pdf ▾ [翻译此页](#)

作者: WW Li - 相关文章

regimens in both front-line and second-line mCRC treatment settings³. A number of ... 1, -2, and -3), platelet-derived growth factor receptor (PDGFR), and stem ... in cancer chemoprevention—the long-term use of oral agents at safe and tolerable doses importance of diet and lifestyle modifications for reducing cancer risk.

[PDF] Chemoprevention of colon carcinogenesis by polyethylen...

www.northwestern.edu/.../BackmanMCT_Wali_et_al2006.pdf ▾ [翻译此页](#)

作者: HK Roy - 2006 - 被引用次数: 24 - 相关文章

thane-treated rat model and the human colorectal cancer cell line ... domized to AIN-76A diet alone or supplemented with 5% PEG-8000 ... important in the early stages of colon