

1
 Name of journal: World Journal of Clinical Oncology

ESPS Manuscript NO: 18028

Manuscript Type: MINIREVIEWS

Portal vein embolization effect on colorectal cancer liver metastasis progression: lessons learned

Eman Al-Sharif, Eve Simoneau, Mazen Hassanain

Abstract

30
 Colorectal liver metastasis (CRLM) is the major **15** cause of death in patients diagnosed with colorectal cancer (CRC). The gold standard treatment of CRLM is surgical resection. Yet, in the past, more than half of these patients were deemed **14** unresectable due to the inadequate future liver remnant (FLR). The introduction of efficient portal vein embolization (PVE) preoperatively allowed more resections of metastasis in CRLM patients by stimulating adequate liver hypertrophy. However, several experimental and clinical studies reported tumor progression after PVE which critically influences the subsequent management of these patients. The underlying pathophysiological mechanism of tumor progression post-PVE is still not fully understood. In spite of the adverse effects of PVE, it remains a potentially curative procedure in patients who would remain otherwise unresectable because of the insufficient FLR. Currently, the challenge is to halt tumor proliferation following PVE in patients who require this

Match Overview

1	Internet 29 words crawled on 22-Jun-2015 www.wjgnet.com	1%
2	CrossCheck 22 words Shin, Sung Wook, Il Soo Chang, Sung Wook Choo, Young Soo Do, Hong Suk Park, Kwang Bo Park, Sung Ki Cho, an	1%
3	CrossCheck 21 words "Abstracts", HPB, 9/1/2006	1%
4	CrossCheck 16 words Hirohisa Okabe. "Preoperative portal vein embolization (PVE) for patients with hepatocellular carcinoma can improv...	<1%
5	Internet 15 words crawled on 13-Jan-2015 www.cellulesouches.org	<1%
6	CrossCheck 14 words "Society of Surgical Oncology 63rd Annual Cancer Symposium", Annals of Surgical Oncology, 01/20/2010	<1%

Liver-directed therapies in metastatic colorectal cancer - Clark ...

www.thejgo.org/article/view/3073/html

Keywords: **Colorectal cancer** (CRC). **liver metastases**. hepatectomy. ... of 3-4 have a much more guarded **prognosis** and resection should be planned only in the **portal vein embolization** (PVE), two-stage hepatectomy, and associating liver in porcine liver: **Lessons learned** and phenomena observed on ablative **effects**....

Role of associating liver partition and portal vein ligation for staged ...

www.ncbi.nlm.nih.gov/pmc/articles/PMC4402295/

21 Apr 2015 ... **LIVER METASTASES IN COLORECTAL CANCER** ... growth of the FLR but can also induce **progression** of metastases in both **embolized** and non-**embolized** liver tissue. **Lessons Learned** from 15 cases at a single centre.

Thermal tumor ablation therapy for colorectal cancer hepatic ...

www.ncbi.nlm.nih.gov/pmc/articles/PMC3397642/

13 Jan 2012 ... Key Words: **Colorectal liver metastasis**, tumor ablation, thermal ablation ... the liver for previously chemotherapy naïve patients at high risk for **progression**, Although not the focus of this review, **portal vein embolization** (PVE) has liver: **lessons learned** and phenomena observed on ablative **effects** near....

Expanding Criteria for Resectability of Colorectal Liver Metastases

theoncologist.alphamedpress.org/content/13/1/51.long

List the factors associated with poor **prognosis** following **hepatic** resection. ... Patients with untreated **metastatic colorectal cancer** have a short median survival time of ... ablation (RFA) and **portal vein embolization** (PVE) have greatly changed our **Effect** of surgical margin status on survival and site of recurrence after....

Current treatment for liver metastases from colorectal cancer

www.onkochirurgie.de/contente/therapie/treatment_lebermeastasen.php

This article reviews the natural history of **colorectal cancer liver metastases**, of metastases, it may not **affect** the progressive course of the cancer[59]. **Portal vein embolization** may be combined in the treatment of patients with huge Radiofrequency ablation of unresectable hepatic malignancies: **lessons learned**.

Johns Hopkins Liver Tumor Center: Colorectal Liver Metastasis

www.hopkinsmedicine.org/liver_tumor_center/conditions/cancerous_liver_tumors/col



网页 图片 新闻 视频 购物 更多 ▾ 搜索工具

找到约 34,100 条结果 (用时 0.64 秒)

Google 学术: Portal vein embolization effect on colorectal cancer liver metastasis progression: Lessons learned

Solitary colorectal liver metastasis: resection ... - Aloia - 被引用次数: 329

... criteria for resectability of colorectal liver metastases - Pawlik - 被引用次数: 305

... treatment for liver metastases from colorectal cancer - Liu - 被引用次数: 183

Liver-directed therapies in metastatic colorectal cancer ...

www.thejgo.org > Home > Vol 5, No 5 (October 2014) ▾ 翻译此页

作者: ME Clark - 2014 - 被引用次数: 5 - 相关文章

Keywords: Colorectal cancer (CRC); liver metastases; hepatectomy; ... of 3-4 have a much more guarded prognosis and resection should be planned only in the portal vein embolization (PVE), two-stage hepatectomy, and associating liver in porcine liver; Lessons learned and phenomena observed on ablative effects ...

Staged resection of bilobar colorectal liver metastases ...

link.springer.com/article/10.1007/s00423-015.../fulltext.html - 翻译此页

Colorectal cancer (CRC) Two-stage hepatectomy (TSH) Portal vein ... CRC liver metastases: staged liver resection with portal vein embolization (PVE), ... are tumor progression, followed by insufficient hypertrophy of the remnant liver and portal vein



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

找到约 19,100 条结果 (用时 0.88 秒)

Google 学术: Portal vein embolization effect on colorectal cancer liver metastasis progression: Lessons learned

Solitary colorectal liver metastasis: resection ... - Aloia - 被引用次数: 329

... criteria for resectability of colorectal liver metastases - Pawlik - 被引用次数: 306

... treatment for liver metastases from colorectal cancer - Liu - 被引用次数: 183

Liver-directed therapies in metastatic colorectal cancer ...

www.thejgo.org > Home > Vol 5, No 5 (October 2014) > [翻译此页](#)

作者: ME Clark - 2014 - 被引用次数: 5 - [相关文章](#)

Keywords: Colorectal cancer (CRC); liver metastases; hepatectomy; ... of 3-4 have a much more guarded prognosis and resection should be planned only in the portal vein embolization (PVE), two-stage hepatectomy, and associating liver in porcine liver: Lessons learned and phenomena observed on ablative effects ...

Role of associating liver partition and portal vein ligation for ...

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

作者: K Hasselgren - 2015 - [相关文章](#)

2015年4月21日 - LIVER METASTASES IN COLORECTAL CANCER ... growth of the FLR but can also induce progression of metastases in both embolized and non-embolized liver tissue. Lessons Learned from 15 cases at a single centre.

Staged resection of bilobar colorectal liver metastases ...

link.springer.com/article/10.1007/s00423-015.../fulltext.html - [翻译此页](#)

Colorectal cancer (CRC) Two-stage hepatectomy (TSH) Portal vein ... bilobar CRC liver metastases: staged liver resection with portal vein embolization (PVE), ... tumor progression, followed by insufficient hypertrophy of the remnant liver and The initial concerns regarding potential detrimental effects of chemotherapy on