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Retrospective Study

Initial experience with stereotactic body radiotherapy for intrahepatic hepatocellular carcinoma recurrence after liver transplantation

Au KP *et al.* SBRT for liver graft HCC recurrence

Kin Pan Au, Chi Leung Chiang, **1** Albert Chi Yan Chan, Tan To Cheung, Chung Mau Lo, Kenneth Siu Ho Chok

Abstract

BACKGROUND

Graft hepatocellular carcinoma (HCC) recurrence after liver transplant is more frequently encountered. Graft hepatectomy is technically challenging and is associated with high morbidity. Stereotactic body radiation therapy (SBRT) has been shown to be safe and effective for the treatment of primary HCC. However, its role in HCC recurrence in a liver graft remains unclear.

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May 15, 2019 - **Stereotactic body radiation** therapy (SBRT) is an emerging treatment for **hepatocellular carcinoma**. This technique results in excellent local control rates with favorable toxicity profile despite being predominantly used in heavily pretreated ...

Cited by: 1

Author: Sabine Gerum, Alexandra D Jensen, Falk...

Publish Year: 2019

[Outcomes After Stereotactic Body Radiotherapy or ...](#)

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Feb 10, 2016 - Outcomes **After Stereotactic Body Radiotherapy** or Radiofrequency Ablation for **Hepatocellular Carcinoma** . The following represents disclosure information provided by authors of this manuscript. All relationships are considered compensated. Relationships are self-held unless noted. I = Immediate Family Member, Inst = My Institution.

Cited by: 221

Author: Daniel R. Wahl, Matthew H. Stenmark, Ye...

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[Stereotactic body radiotherapy based treatment for ...](#)

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Sep 25, 2018 - There is currently no worldwide consensus for the management of **hepatocellular carcinoma** (HCC) with portal vein tumor thrombus (PVTT). We evaluated the efficacy of **stereotactic body radiotherapy** (SBRT) as the **initial** treatment for HCC with extensive PVTT based on a relatively large number of patients.

Cited by: 4

Author: Yongjie Shui, Wei Yu, Xiaoqiu Ren, Yingl...

Publish Year: 2018



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Jul 04, 2019 · **Hepatocellular carcinoma** (HCC) with inferior vena cava (IVC) tumor thrombus rarely occurs, its prognosis is extremely poor. A 49-year-old locally advanced HCC male with tumor thrombus extension into the IVC and the right atrium was successfully treated **with stereotactic body radiotherapy** (SBRT).

Author: Yongjie Shui, Xiaoping Zhu, Jianjun... **Publish Year:** 2019

[Role of stereotactic body radiation therapy for ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3964382>

Mar 28, 2014 · Core tip: The integration of new technologies has raised an interest in **radiotherapy** for **hepatocellular carcinoma** (HCC), with literature evolving to support its efficacy. These advances, particularly **stereotactic body radiation** therapy (SBRT), have been critical in improving local control or potential cure in **liver** lesions not amenable to first-line surgical resection or ...

Cited by: 66 **Author:** Naoko Sanuki, Atsuya Takeda, Etsuo K...

Publish Year: 2014

[Stereotactic Body Radiotherapy for Primary Hepatocellular ...](#)

<https://www.sciencedirect.com/science/article/pii/S036030161100527X>

Introduction. **Hepatocellular carcinoma** (HCC) is the fourth most common cancer in the world, responsible for 19,000 deaths annually in the United States alone 1, 2.The disease often presents in the setting of advanced cirrhosis, and orthotopic **liver** transplant (OLT) provides the greatest chance for both cure and long-term survival 3, 4.Surgical resection and percutaneous ablation ...

Cited by: 373 **Author:** David L. Andolino, Cynthia S. Johnson,...

Publish Year: 2011



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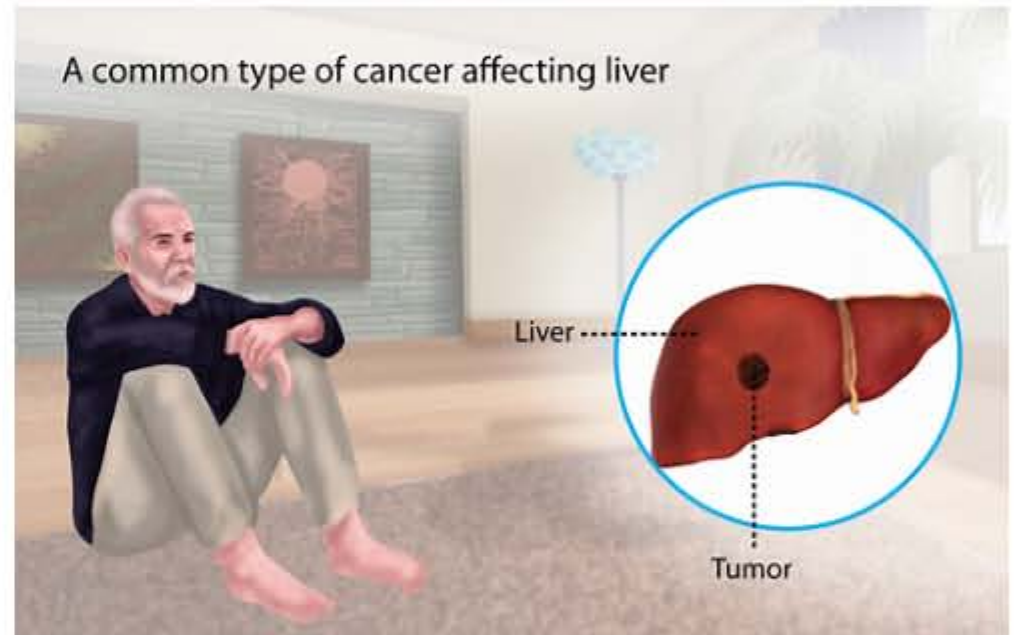
Cited by: 373 **Author:** David L. Andolino, Cynthia S. Johnson, M...
Publish Year: 2011

Long-term outcome of stereotactic body radiotherapy for ...

<https://www.onlinelibrary.wiley.com/doi/full/10.1111/hepr.13063>

Hepatocellular Carcinoma

Medical Condition



The most common form of liver cancer often seen in people with chronic liver diseases like cirrhosis.

- Rare (Fewer than 200,000 cases per year in US)
- May be preventable by vaccine
- Often requires lab test or imaging
- Treatment from medical professional advised
- Can last several months or years

Caused mainly due to the chronic infection of the liver or DNA mutation of the liver cells. Characterized by unexplained weight loss, upper abdominal pain and yellowing of the skin. Treatment options include hepatectomy, target drug delivery and the use of radiation to kill the cancerous cells.