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Author: Atene Itoh, Hiroshi Sadamori, Kazuhisa Y...

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Introduction

Clinical Manifestations of TT in I...

Pathophysiology

Disa

Hepatocellular carcinoma (HCC) is a type of tumor with a high degree of malignancy and vascular invasion characteristics, such as the formation of a tumor thrombus (TT) in the portal vein system obstructing the hepatic inflow tract (1-3). Data from 2015 indicates that worldwide the incidence of TTs in HCC is high (44-62.2%) (4). In contrast, the obstruction of the outflow vasculature by the formation of a tumor thrombus (TT) in the hepatic vein (HV), inferior vena cava (IVC), or right atrium (RA) is rare, accor...

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Author: Yinchuan Xia, Junqi Zhang, Xiaoling Ni

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Surgical treatment of hepatocellular carcinoma associated ...

https://www.sciencedirect.com/science/article/pii/S0168827814002955

Sep 01, 2014 · Sorafenib has become established as a new standard treatment option for advanced HCC [4], [27]. There have also been reports showing the effectiveness of sorafenib for HCC patients with PVT...

Cited by: 103

Author: Takashi Kokudo, Kiyoshi Hasegawa, Satou...

Publish Year: 2014

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https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4468137

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Author: Li Shaohua, Wang Qiaoxuan, Sun Peng, Li ...

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Aug 07, 2020 · vein system obstructing the hepatic inflow tract (1-3). Data from 2015 indicates that worldwide, the incidence of TTs in HCC is high (44-62.2%) (4). In contrast, the obstruction of the outflo...

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https://onlinelibrary.wiley.com/doi/abs/10.1111/hepr.12923

Jun 15, 2017 · Abstract. The Barcelona Clinic Liver Cancer staging system recommends a tyrosine kinase inhibitor (sorafenib) as standard therapy in advanced hepatocellular carcinoma (HCC) patients with...

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Author: Kazuhiko Sakamoto, Hiroaki Nagano

Publish Year: 2017

Radiotherapy for inferior vena cava tumor thrombus in ...

https://bmccancer.biomedcentral.com/track/pdf/10.1186/s12885-019-5654-9

Background. Hepatocellular carcinoma (HCC) with inferior vena cava (IVC) involvement is a rare disease with poor prognosis. This study aimed to evaluate the outcome of HCC patients receiving radiotherapy...

Hepatocellular Carcinoma Presenting With Inferior Vena ...

https://www.cureus.com/articles/37275...

Jul 27, 2020 · Surgical removal of right atrial thrombus and inferior vena cava thrombus if successful carries the best outcomes for these patients; however, it is associated with increased risk, as it requires...

Author: Ragia Aly, Sachin Gupta, Ruby Gupta, VL...

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Medical Condition

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YES

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

Treatable by a medical professional

Can last several months or years

It is caused mainly due to the chronic infection of the liver or DNA mutation of the liver cells. It is 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.

Symptoms

The early stages of the disease do not present any symptoms but in the later stages the symptoms which are noted are as follows:

Upper abdominal pain

Weight loss

Jaundice

Fluid in the abdomen

Liver failure

Treatments

Treatment options include hepatectomy, target drug delivery and the use of radiation to kill the cancerous cells.

Medication

Chemotherapy: Therapy where the drugs are used to kill the cancer cells.

5-Fluorouracil · Capecitabine · Irinotecan · Oxaliplatin

Target drug delivery: Drugs which are target oriented help in slowing down the progression of the disease.

Sorafenib

Medical procedures: Hepatectomy · Liver transplantation · Ablation

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**Treatment for hepatocellular carcinoma with tumor thrombosis in hepatic vein or inferior vena cava: A comprehensive review**

Zhang ZY *et al.* Treatment for HCC patient with HVTT

Zun-Yi Zhang, Er-Lei Zhang, Bi-Xiang Zhang, Xiao-Ping Chen, Wei Zhang

**Abstract**

Hepatocellular carcinoma (HCC) is the most common type of liver cancer with a high mortality rate worldwide. The percentage of HCC patients with vascular invasion is high. However, tumor thrombus in the hepatic vein (HVTT) has a lower incidence than tumor thrombus in the portal vein (PVTT). Conventionally, HCC patients with HVTT are treated the same as HCC patients with PVTT and offered sorafenib or other

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Cited by: 24

Author: Ai-Jun Li, Wei-Ping Zhou, Chuan Lin, Xi-L...

Publish Year: 2013

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<https://link.springer.com/content/pdf/10.1007/BF00198186.pdf>

Tumor thrombus (TT) of hepatocellular carcinoma (HCC) in the inferior vena cava (IVC) and right atrium (RA) is rarely encountered, although HCC involves vascular structures in the liver, such as the