

**15**  
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**Conversion hepatectomy for hepatocellular carcinoma with main portal vein tumour thrombus after lenvatinib treatment: a case report**

Conversion surgery for hepatocellular carcinoma

**Abstract**

**BACKGROUND**

Hepatocellular carcinoma (HCC) accompanied by portal vein tumour thrombus (PVTT) presents an aggressive disease course, worsening liver function reserve, and a high recurrence rate. Clinical practice guidelines recommend systemic therapy as the first-line option for HCC with portal invasion. However, to achieve longer survival in these patients, the treatment strategy should be concluded with removal of the tumour by locoregional therapy. We experienced a case of initially unresectable HCC with main

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## Optimizing hepatectomy for hepatocellular carcinoma in ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6232050>

Minagawa M, Makuuchi M, Takayama T, et al. Selection criteria for **hepatectomy** in patients with **hepatocellular carcinoma** and **portal vein tumor thrombus**. Ann Surg 2001; 233:379-84.

10.1097/00000658-200103000-00012 [PMC free article] [Google Scholar]

**Cited by:** 3

**Author:** Clarence Nicholas Kotewall, Tan To Cheung

**Publish Year:** 2018

## 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.

## 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 option which is employed depends on the stage of the condition, size and location of the tumor.

### 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