

# Preceptorship Programme 1<sup>st</sup> June 2023

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## Case Presentation

### Epithelioid hemangioendothelioma, a rare sarcoma of the liver

- 1 History and clinical examination
- 2 Investigation status
- 3 Diagnosis & Treatment
- 4 Imaging follow-up
- 5 Discussion

## History and clinical examination

- 51-year-old Vietnamese male
- **Admission day:** August 10<sup>th</sup> 2022
- **Chief complaint:** loss of appetite + fatigue
- **History of present illness :** before admission, he felt fatigue and loss of appetite for 1 month .
- **PMH:** Normal
- **Admission status:** Conscious, ECOG 0, Jaundice (-), abdominal pain (-)

## Investigation status

### ➤ Tests

- **Abdominal MRI** (Aug 2022) : masses in the both liver lobes, max 17 x 21mm, hyperintense on T2-weighted →suspected metastases.
- **Abdominal CT** (Aug 2022): Suspected multifocal liver metastasis max 28mm
- **HbSAg (-), HCV Ab (-)**
- **AFP:** 7.3 ng/ml, **CEA:** 4.6 ng/ml, **CA19.9:** 0.6 U/l
- **Chest CT:** Normal
- **Others:** Within normal limits

➤ **Pathology** (liver biopsy): Suspected carcinoma

➤ **IHC:** Hepatic epithelioid hemangioendothelioma

## Diagnosis & Treatment

- **Diagnosis:** Hepatic epithelioid hemangioendothelioma
- **Treatment:** Bevacizumab- Capecitabine
- **Treatment outcome: stable diseases until now**
  - ✓ **Symptoms:** Gain weight (5kg), abdominal pain (-)
  - ✓ **Abdominal CT (Dec 2022):** masses in both lobes of liver, max 28 x 25mm, poor enhancement after contrast injection.
  - ✓ **Abdominal CT ( Feb 28<sup>th</sup> 2023):** masses in both lobes of liver, max 16 x 23mm with similar characteristics as before treatment.
  - ✓ **Blood tests:** within normal limits
  - ✓ **Toxicity:** none

# Imaging follow-up

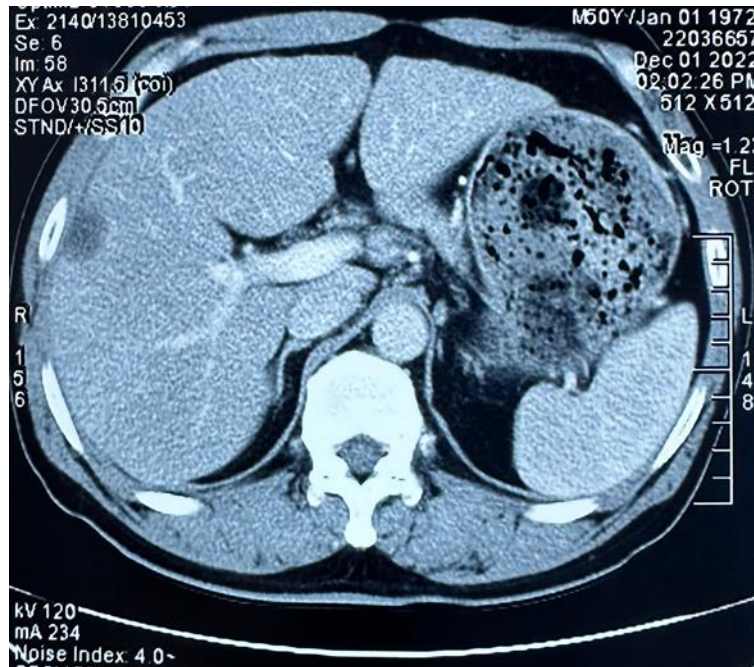
Aug 2022

Abdominal MRI before treatment



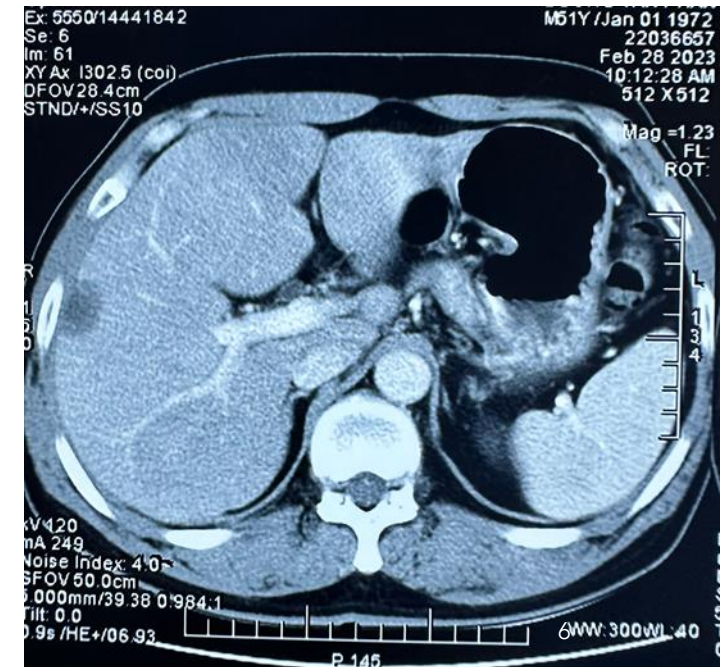
Dec 2022

Abdominal CT after 3 months treated with Bevacizumab-Capecitabine



Feb 2023

Abdominal CT after 6 months treated with Bevacizumab- Capecitabine





## Discussion

1. Epithelioid hemangioendothelioma is a very rare sarcoma of the liver and may be misdiagnosed as metastatic carcinoma on the basis of its radiologic manifestations.
2. There have not yet been standard therapeutic strategies/guidelines for this disease.
3. Chemotherapy could be a treatment option depending on each circumstance.

**THANK YOU FOR YOUR ATTENTION!**