



### **Thorium Dioxide (Thorotrast)**

[Thor with Carbonated-soda](#)

Thorium Dioxide (Thorotrast) can cause KRAS-2 mutation, which contributes to malignancy in the liver.

### **Anabolic Steroid Use**

[Steroid-stairs](#)

Long-term anabolic steroid injection use can lead to hepatic angiosarcoma. Some athletes use these steroids to raise strength and muscle mass.

### **Radon Exposure**

[Exposed to Radiation](#)

Radon exposure can damage the p53 tumor suppressor gene, which is believed to lead to liver carcinogenesis.

## **Considerations**

### **Poor Prognosis**

[Gravestone](#)

Hepatic angiosarcoma has a poor prognosis due to its resistance to chemotherapy and radiotherapy. Data show that median expectation of life is less than 6 months.