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**Manuscript Type:** REVIEW

**Molecular pathways in viral hepatitis-associated liver carcinogenesis: An update**

Elpek GO. Molecular pathways in viral hepatitis-associated carcinogenesis

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### Abstract

Hepatocellular carcinoma (HCC) is the most common type of cancer among primary malignant tumors of the liver and is a consequential cause of cancer-related deaths worldwide. In recent years, uncovering the molecular mechanisms involved in the development and behavior of this tumor has led to the identification of multiple potential

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1	<b>Crossref</b> 482 words "Viruses and Human Cancer", Springer Science and Business Media LLC, 2021	5%
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2. Pathobiology for Liver Fibrogenesis and Regression. Hepatic fibrosis is a wound-healing response to various chronic stimuli, including hepatitis viral infection, metabolic disorders, alcohol abuse, and autoimmune attacks in liver (Table 1). During the course of fibrogenesis, various mediators, which are mainly produced by Kupffer cells, resident hepatic cells, and infiltrating inflammatory ...

Cited by: 69

Author: Tung-Hung Su, Jia-Hong Kao, Chun-Jen Liu

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Introduction. Hepatocellular carcinoma (HCC) is a prevalent malignant liver disease (). In most cases, viral infection contributes to the development, invasion and metastasis of HCC (), which is a global public health problem. In particular, chronic hepatitis B virus (HBV) is one of the leading causes of HCC with an estimated 400 million individuals currently affected by chronic infection ...

Cited by: 1

Author: Xiang Zhang, Lingchen Wang, Yehong Yan

Publish Year: 2020

### [Liver injury and disease pathogenesis in chronic hepatitis C](#)

<https://pubmed.ncbi.nlm.nih.gov/23463205>

Chronic hepatitis C virus (HCV) infection is a leading cause of liver-specific morbidity and mortality in humans, including progressive liver fibrosis, cirrhosis, and hepatocellular carcinoma. It has also been associated with altered function in other organs, including those of the endocrine, hematopoietic, and nervous systems.

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**Cited by:** 16**Author:** Giacomo Diaz, Ronald E. Engle, Ashl...**Publish Year:** 2018

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