

Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 45299

Manuscript Type: ORIGINAL ARTICLE

Observational Study

Mechanism of exosomal microRNA-224 in the development of hepatocellular carcinoma and an evaluation of its diagnostic value

Cui Y *et al.* Role of exosomal miR-224 in HCC

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Abstract

BACKGROUND

Exosomes contain proteins, lipids, and biological molecules such as DNA and RNA. Nucleic acids in exosomes are another molecule that can act as a biomarker. Currently, there are many reports on exosomal microRNA, which is an ideal biomarker for the early diagnosis of cancer. However, there are few reports on the role of exosomal microRNAs in the diagnosis and prognosis of hepatocellular carcinoma (HCC).

AIM

To understand the mechanism of exosomal microRNA-224 (miR-224) in the development of HCC and evaluate its diagnostic and prognostic value.

Match Overview

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Google 学术: Mechanism of exosome miR-224 in the development of hepatocellular carcinoma and the diagnostic value evaluation

MicroRNA profiling in hepatocellular tumors is ... - Ladeiro - 被引用次数: 731

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Role of exosomes and exosomal microRNAs in hepatocellular ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5810235/> - 翻译此页

作者: JH Pan - 2018 - 被引用次数: 4 - 相关文章

2018年1月11日 - In addition, the mechanism of HCC-derived exosome-mediated ... value in the early diagnosis and treatment of HCC, are summarized. 4. Role of exosomes in the occurrence and development of HCC ... Sohn et al, 2015, Korea, Serum, miR-18a, miR-221, miR-222, miR-224, miR101, miR-106b, miR-122, ...

(PDF) Exosomal miRNAs in hepatocellular carcinoma development ...

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2018年8月1日 - Exosomal miRNAs act through novel mechanisms for inducing cellular ... Clinical significance of exosomal miRNAs in HCC ... focused on using exosomal miRNAs in clinical diagnostics and therapeutics, miR-222, miR-224 The effects of MSCs-exo on Th17, Th1, and Treg were evaluated by flow ...

(PDF) Serum exosomal microRNAs combined with alpha-fetoprotein ...

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Exosomal microRNAs have recently been studied as the potential diagnostic marker for ... curve was used to evaluate the diagnostic performance of candidate microRNAs. ... miR-122 was the best for differentiating HCC from NC (AUC: 0.990, 95% CI, 0.945–1.000). to those in their cells of origin, suggesting their value as.

Serum exosomal microRNAs as novel biomarkers for hepatocellular ...

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Expression of serum miR-221 in human hepatocellular carcinoma and

...

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2018年10月10日 - Serum **miRNA** expression was investigated in 46 **HCC** patients and 20 healthy ...

Some **miRNAs** such as miR-1, miR-21, miR-195, miR-224 and miR-221 ... Meanwhile, miR-221 could promote tumor **development** by inhibiting B from **liver cancer** [21] and despite **its** lower **diagnostic value** compared with ...

Early diagnostic evaluation of miR-122 and miR-224 as biomarkers for

...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6150115/> - 翻译此页

作者: KS Amr - 2017 - 被引用次数: 5 - 相关文章

2017年12月6日 - Herein, we aimed to identify the predictive **value** of two **miRNAs** ... Moreover, it was found that miR-122 can predict **development of HCC** at cut-off **value** ... Keywords: **Diagnosis**, **Hepatocellular carcinoma**, miR-122, miR-224, Sensitivity ... **its** expression is commonly down or lost in **HCC** cells contributing to ...

缺少字词: **exosomal**

Role of exosomes and exosomal microRNAs in hepatocellular ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5810235/> - 翻译此页

作者: JH Pan - 2018 - 被引用次数: 6 - 相关文章

2018年1月11日 - Despite advances in prevention, screening, and novel **diagnostic** and ... Determining the molecular **mechanisms** of the proliferation and metastasis of **liver cancer**, and ... 4. Role of **exosomes** in the occurrence and **development of HCC** the size of the sample and the **appraisal** method of the **miRNAs**.

The utility of serum exosomal microRNAs in hepatocellular carcinoma

...

<https://www.sciencedirect.com/science/article/pii/S0753332218353691> - 翻译此页

作者: L Jun - 2019 - 相关文章

Circulating **exosomal microRNAs**. **Hepatocellular carcinoma**. **Diagnosis** ... With the **development** of

找到约 46,100 条结果 (用时 0.63 秒)

Early diagnostic evaluation of miR-122 and miR-224 as biomarkers for ...

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作者: KS Amr - 2017 - 被引用次数: 5 - 相关文章

2017年12月6日 - Herein, we aimed to identify the predictive value of two miRNAs (miR-122 ...

Keywords: **Diagnosis**, **Hepatocellular carcinoma**, miR-122, miR-224, Sensitivity ... leading etiological factor for the **developing HCC**,2 especially in Egypt.3 ... and **its** expression is commonly down or lost in **HCC** cells contributing to ...

缺少字词: **exosomal**

The Role of Circulating Free DNA and MicroRNA in Non-Invasive ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5979406/> - 翻译此页

作者: F Pezzuto - 2018 - 被引用次数: 6 - 相关文章

2018年3月28日 - The major risk factors for the **development** of **HCC** are hepatitis B (HBV) and ... as free molecules or entrapped in vesicles such as **exosomes** [12,13,14]. is aberrantly methylated in **HCC** and could have a **diagnostic value** of AFP ... TGR5 acts as tumour suppressor gene, in fact **its** activation greatly inhibits ...

Roles of microRNA in liver cancer - ScienceDirect

<https://www.sciencedirect.com/science/article/pii/S2542568417300284> - 翻译此页

作者: J Tao - 2018 - 相关文章

However, the molecular genetics underlying **liver cancer development** remain poorly understood. The molecular **mechanism** is hepatocyte nuclear factor 4 α (HNF4 α) and **its** Zhang et al. found significant upregulation of miR-224 in **HCC** tissues Further studies of **miRNAs** in **liver cancer** for **diagnosis** and therapy.

(PDF) Serum exosomal microRNAs combined with alpha-fetoprotein ...

https://www.researchgate.net/.../323988016_Serum_exosomal_microRNAs_... - 翻译此页

2018年8月1日 - Lane 1, 2, and 3: the serum **exosome** fractions from **HCC** patient 1, 2, and the **exosome**-free serum of **HCC** acteristic curve was used to **evaluate** the **diagnostic** performance of candidate ... genesis and **development**, and targeted delivery of drugs ... to those in **their** cells of origin, suggesting **their value** as