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*Basic Study*

Interplay between microRNA-17-5p, <sup>12</sup>insulin-like growth factor-II through binding protein-3 in hepatocellular carcinoma

Habashy DA <sup>et al</sup> miR-17-5p regulates IGF-II *via* targeting IGFBP-3

Danira Ashraf Habashy, <sup>5</sup>Hend Mohamed El Tayebi, Injie Omar Fawzy, Karim Adel Hosny, Gamal Esmat and Ahmed Ihab Abdelaziz

## Abstract

**AIM:** To investigate the effect of microRNA on insulin-like growth factor binding protein-3 (IGFBP-3) and hence on insulin-like growth factor-II (IGF-II) bioavailability in

## Match Overview

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2015年9月18日 - Induction of the **expression** of miR-155 in **HCC** cell lines led to the upregulation of **IGF-II ... IGFBP-3**, thereby resulting in **increased HCC** cell carcinogenicity. .... Inhibition of miR-155, significantly **repressed IGF-II** and **IGF-1R mRNA** .... This is in contrast to other metastamiRs, such as **miR-17-5p**, which was ...

缺少字词: **bioavailability**

### Epigenetic regulation of insulin-like growth factor axis in ... - NCBI

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2016年3月7日 - In **hepatocellular carcinoma (HCC)**, only a minority of patients are eligible for .... signals by **repressing** growth by retarding miR-122 in neighboring cells[43]. ... a high **expression** of miR-483-3p without a concomitant **increase** in **IGF-II**. .... between **miR-17-5p** and **IGFBP-3 mRNA expression** in **HCC** patients.

### The GH-IGF-SST system in hepatocellular carcinoma: biological and ...

<https://infectagentscancer.biomedcentral.com/articles/10.../1750-9378-9-27> ▾ [翻译此页](#)作者: C Pivonello - 2014 - 被引用次数: 6 - [相关文章](#)

2014年8月20日 - **Hepatocellular carcinoma (HCC)** is the sixth most common malignancy worldwide. ... of **hepatic carcinoma**, accounting for 90% of liver primary malignant tumours[1, 2, 3]. .... ALS **increases** the molecular mass of the **IGF/IGFBP3** complex, .... that, in turn, **suppresses** cyclin D1 **expression**



Interplay between microRNA-17-5p, insulin-like growth factor-II through binding ▾



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... microRNA-DNA methylation **interplay** in IGF-II regulation. ... In further studies, our group demonstrated a direct **relationship between** miR-17-5p and IGFBP-3 mRNA expression in ... IGF-1R and miR-122 **relationship** was unveiled, where IGF-1R results in activation of the downstream ...

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2016年3月7日 - Keywords: **Hepatocellular carcinoma**, Insulin-like growth factors, ... controlled **through** complex formation with IGF **binding proteins** 1-6 .... Emerging studies on the regulation of **IGF-II** by **microRNA** are a step .... In further studies, our group demonstrated a direct **relationship between** miR-17-5p and IGFBP-3 ...

### miRNA in hepatocellular carcinoma - Wiley Online Library

[onlinelibrary.wiley.com/doi/10.1111/hepr.12386/pdf](http://onlinelibrary.wiley.com/doi/10.1111/hepr.12386/pdf) ▾ 翻译此页

作者: A Morishita - 2015 - 被引用次数: 22 - 相关文章

As for the **relationship between miRNA** and **HCC**, several studies ..... Metastasis, proliferation. 192. miR-615-5p. **IGF-II**. Proliferation, migration. 193. miR-657.

### Ahmed Ihab Abdelaziz - Publications - ResearchGate

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Article: Abrogating the **interplay between** IGF2BP1, 2 and 3 and IGF1R by let-7i ... The Expression of Endogenous **IGF-1** by miR-486 in NK Cells of **HCC** Patients Augments Its ... Article: Targeting E2F1 and c-Myc Expression by **microRNA-17-5p** ... and **insulin-like growth factor-binding protein-3** in **hepatocellular carcinoma**.

### MicroRNAs as mediators and communicators between cancer ... - Nature

[www.nature.com](http://www.nature.com) > Journal home > Archive > Review ▾ 翻译此页

作者: FJ Kohlhapp - 2015 - 被引用次数: 25 - 相关文章

2015年4月13日 - CAFs produce **growth factors** (vascular endothelial **growth factor** (VEGF)) ... example, miR-155, miR-**17-5p**, miR-21, miR-221/222) or tumor suppressors ... **Through** manipulation of the **miRNA** expression of endothelial cells, the target both **insulin-like growth factor-binding protein 2** (IGFBP2)