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Manuscript NO: 53626

Manuscript Type: META-ANALYSIS

Dysregulation of microRNA in cholangiocarcinoma identified through a meta-analysis of microRNA profiling

Likhitrattanapisal S *et al.* miRNA dysregulation in cholangiocarcinoma

Somsak Likhitrattanapisal, Supeecha Kumkate, Pravech Ajawatanawong, Kanokpan Wongprasert, Rutaiwan Tohtong, Tavan Janvilisri

Abstract

BACKGROUND

In the past decades, the potential of microRNA (miRNA) in cancer diagnostics and prognostics has gained a lot of interests. In this study, a meta-analysis was conducted

Match Overview

1	Internet 145 words crawled on 27-Jul-2019 link.springer.com	4%
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miR-106b-responsive Gene Landscape Identifies Regulation ...

<https://pubmed.ncbi.nlm.nih.gov/29286255>

MicroRNA dysregulation is a common feature of **cancer** and due to the promiscuity of **microRNA** binding this can result in a wide array of genes whose expression is altered. **miR-106b** is an oncomiR **overexpressed in cholangiocarcinoma** and its upregulation in this and other cancers often leads to repression of anti-tumorigenic targets.

MicroRNA Dysregulation Associated with Red Blood Cell Storage

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6288629>

Aug 24, 2018 · **Profiling** studies on RBCs have reported that the expression of several miRNAs can dramatically change during storage, and among them apoptosis-associated miRNAs have been **identified** in whole blood . In this study, we performed **miRNA** microarrays in both fresh and 20-day storage RBCs washed and leuko-reduced to evaluate potential dysregulated ...

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Therefore, our aim was to **identify** commonly deregulated miRNAs in oral cancer and characterize their biological meaning by performing a comprehensive **meta-analysis** of previously published **miRNA** expression **profiling** studies, followed by bioinformatic enrichment analysis.

Cited by: 10 **Author:** Katarina Zeljic, Ivan Jovanovic, Jasmina Jo...
Publish Year: 2018

Identification of microRNAs as biomarkers for ...

<https://www.sciencedirect.com/science/article/pii/S2210740116301887>

Mar 01, 2017 · **Dysregulation of miRNAs** has been **implicated in** the development and progression of various tumors containing CCA,. Recently, **miRNAs** have been **identified in** diverse body fluids in a stable form that could be suitable markers for **cancer detection**, prediction and therapy.

Cited by: 6 **Author:** J. Zhou, Z. Liu, S. Yang, X. Li
Publish Year: 2017

Molecular diagnosis of intrahepatic cholangiocarcinoma

<https://onlinelibrary.wiley.com/doi/10.1002/jhbp.156>

Intrahepatic cholangiocarcinomas (ICCA) are primary intrahepatic malignancies originating from biliary epithelia. While both hepatocellular cancer and ICCA can present as mass lesions within the live...

Cited by: 14 **Author:** Hiroaki Haga, Tushar Patel
Publish Year: 2015

Dysregulation of hepatic microRNA expression profiles with ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5129388>

Nov 30, 2016 · Results. A total of eight miRNAs were downregulated and two were upregulated, which showed differentially altered expression profiles in the liver tissue of C. sinensis-infected rats.Further analysis of the differentially expressed miRNAs revealed that many important signal pathways were triggered after infection with C. sinensis, which were related to clonorchiasis pathogenesis, such as ...





32,700 Results

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[Dysregulated microRNA expression profiles in ...](#)

<https://www.sciencedirect.com/science/article/pii/S0024320518305204>

Oct 01, 2018 · To confirm the important roles of the **identified miRNA**, knockdown of the most up-regulated **miRNA**, miR-205-5p, reduced CCA cell invasion and migration in the KKU-M213 cell line. Given that these exosomes function in intercellular communication, our data highlight the potential roles of exosomal miRNAs shuttle in **cholangiocarcinoma** cell progression.

Cited by: 7

Author: Sarunya Kitdumrongthum, Chanatip Meth...

Publish Year: 2018

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