

Accepted Manuscript

Extracellular Vesicles in Bile as Markers of Malignant Biliary Stenoses

Valeria Severino, Jean-Marc Dumonceau, Myriam Delhaye, Solange Moll, Isabelle Annessi-Ramseyer, Xavier Robin, Jean-Louis Frossard, Annarita Farina



PII: S0016-5085(17)35553-1
DOI: [10.1053/j.gastro.2017.04.043](https://doi.org/10.1053/j.gastro.2017.04.043)
Reference: YGAST 61163

To appear in: *Gastroenterology*
Accepted Date: 29 April 2017

Please cite this article as: Severino V, Dumonceau J-M, Delhaye M, Moll S, Annessi-Ramseyer I, Robin X, Frossard J-L, Farina A, Extracellular Vesicles in Bile as Markers of Malignant Biliary Stenoses, *Gastroenterology* (2017), doi: 10.1053/j.gastro.2017.04.043.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Title: Extracellular Vesicles in Bile as Markers of Malignant Biliary Stenoses

Valeria Severino^{1,2}, Jean-Marc Dumonceau³, Myriam Delhay⁴, Solange Moll⁵, Isabelle Annessi-Ramseyer², Xavier Robin⁶, Jean-Louis Frossard^{1,7,*}, Annarita Farina^{1,2,*}

¹Department of Internal Medicine Specialties, University of Geneva, Geneva, Switzerland;

²Department of Human Protein Science, University of Geneva, Geneva, Switzerland;

³Gedyt Endoscopy Center, Buenos Aires, Argentina;

⁴Department of Gastroenterology, Hepatopancreatology and GI Oncology, Erasme University Hospital, Brussels, Belgium;

⁵Department of Pathology, University Hospitals of Geneva, Geneva, Switzerland;

⁶Biotech Research and Innovation Center, University of Copenhagen, Copenhagen, Denmark;

⁷Service of Gastroenterology and Hepatology, University Hospitals of Geneva, Switzerland.

* Contributed equally

Total word count: **5059**

Corresponding author:

Annarita FARINA, PhD

University Medical Center (CMU)

rue Michel Servet, 1

CH-1211 Geneva

Switzerland

Annarita.Farina@unige.ch

Co-corresponding author:

Jean-Louis FROSSARD, MD

University Hospitals of Geneva (HUG)

rue Gabrielle-Perret-Gentil, 4

CH-1211 Geneva

Switzerland

Jean-Louis.Frossard@hcuge.ch

ACKNOWLEDGMENTS

We warmly thank Dr. Pierre LESCUYER, Dr. Daniel PALOMINO (Instrumat AG, Renens, Switzerland) and Mr. Philippe HENCHOZ (University Hospitals of Geneva, Switzerland) for assistance in Clinical and Quality Analytics, Nanoparticle Tracking Analysis and Transmission Electron Microscopy, respectively.

CONFLICTS OF INTEREST

Download English Version:

<https://daneshyari.com/en/article/5658257>

Download Persian Version:

<https://daneshyari.com/article/5658257>

[Daneshyari.com](https://daneshyari.com)