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Name of Journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 65261

Manuscript Type: MINIREVIEWS

Role of exosomal long non-coding RNAs in colorectal cancer

Exosomal lncRNAs and CRC

Abstract

Exosomes are a class of small extracellular vesicles (EVs), 30–150 nm in diameter, that transfer biological information (e.g., DNA, RNA, and protein) via cell-to-cell communication. Exosomes play critical roles in the occurrence and development of human cancers, including colorectal cancer (CRC). Recent studies have shown that long non-coding RNAs (lncRNAs) can be encapsulated in exosomes, which transfer lncRNAs from secreting cells into recipient cells. This process affects the progression of CRC, since exosomal lncRNAs display special and extensive functions in CRC tumorigenesis.

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Role of exosomal long non-coding RNAs in colorectal cancer



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Plasma exosomal long non-coding RNAs serve as **biomarkers** for early detection of colorectal cancer

Author: Qingbin Wu, Wenrong Liu, Jin Wang, Lei Zhu, Ziqiang Wang, Yong Peng

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Identification of an exosomal long non-coding RNAs panel for predicting recurrence risk in patients with colorectal cancer. Recurrence is a major cause of cancer-related deaths in colorectal cancer (CRC) patients, but the current strategies are limited to predict this clinical behavior. Our aim is to develop a recurrence prediction model based on long non-coding RNAs (lncRNAs) in exosomes of serum to ...

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