

Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 62860

Manuscript Type: REVIEW

Role of exosomes in the diagnosis and treatment of colorectal cancer

Exosomes in colorectal cancer

Abstract

Exosomes are extracellular vesicles (EVs) that mediate intercellular communication. They contain different molecules, such as DNA, RNA, lipid, and protein, playing essential roles in the pathogenesis of colorectal cancer. Exosomes derived from colorectal cancer (CRC) are implicated in tumorigenesis, chemotherapy resistance, and metastasis. Besides, they can enhance CRC progression by increasing tumor cell proliferation, reducing apoptosis mechanistically through altering particular essential regulatory genes or controlling several signaling pathways. Therefore, exosomes derived from CRC are essential biomarkers and can be used in the diagnosis. Indeed, it

Match Overview

1	Internet 67 words crawled on 14-Mar-2021 molecular-cancer.biomedcentral.com	1%
2	Internet 62 words crawled on 17-Jun-2010 www.nature.com	1%
3	Internet 33 words crawled on 15-Jul-2020 www.frontiersin.org	1%
4	Crossref 31 words Abakundana Nsenga Ariston Gabriel, Fang Wang, Qinlian Jiao, Umwali Yvette et al. "The involvement of exosomes ...	1%
5	Crossref 30 words Xiaoyin Zhao, Dongliang Wu, Xudong Ma, Jiale Wang, Wenjun Hou, Wen Zhang. "Exosomes as drug carriers for ca ...	1%
6	Internet 27 words www.ncbi.nlm.nih.gov	1%
7	Internet 27 words crawled on 05-Apr-2021 downloads.hindawi.com	1%
8	Crossref 25 words Rani, Sweta, and Thomas Ritter. "The Exosome - A Naturally Secreted Nanoparticle and its Application to Wound Healing ...	1%
	Internet 22 words	1%

Role of exosomes in the diagnosis and treatment of colorectal canc



ALL

IMAGES

VIDEOS

6,130,000 Results

Any time ▼

Exosomes derived from colorectal cancer (CRC) cells are related to oncogenesis, tumor cell survival, chemo-resistance, and metastasis. The role of the exosomes in these processes involves the **transfer of proteins, RNAs, or mutant versions of proto-oncogenes to the target cells.**

Cited by: 27

Publish Year: 2018

[The role of exosomes on colorectal cancer: A review](#)

► pubmed.ncbi.nlm.nih.gov/29156509/

Was this helpful?

PEOPLE ALSO ASK

How are exosomes used to diagnose and treat cancer? ▼

How big is an exosome in a cell? ▼

Are exosomes biomarkers? ▼

How are blood exosomes used to diagnose CRC? ▼

Feedback

[The role of exosomes on colorectal cancer: A review](#)

<https://pubmed.ncbi.nlm.nih.gov/29156509>

ALL

IMAGES

VIDEOS

30,500,000 Results

Any time ▾

Open links in new tab



Exosomes derived from colorectal cancer (CRC) cells are related to oncogenesis, tumor cell survival, chemo-resistance, and metastasis. The role of the exosomes in these processes involves the **transfer of proteins, RNAs, or mutant versions of proto-oncogenes to the target cells.**

Cited by: 27

Publish Year: 2018

[The role of exosomes on colorectal cancer: A review](#)

► pubmed.ncbi.nlm.nih.gov/29156509/

Was this helpful?  

PEOPLE ALSO ASK

What is the role of exosomes in cell communication? ▾

Are exosomes biomarkers? ▾

How are blood exosomes used to diagnose CRC? ▾

How are exosomes different from other extracellular vesicles? ▾

Feedback

[The role of exosomes on colorectal cancer: A review](#)

<https://pubmed.ncbi.nlm.nih.gov/29156509>

Abstract. Exosomes are extracellular microvesicles released from cells, which are involved in many biological and pathological processes, mainly because of their role in intercellular communication. Exosomes derived from colorectal cancer (CRC) cells are related to **oncogenesis, tumor cell survival, chemo-resistance, and metastasis.**

Cited by: 27

Author: Lidia Ruiz-López, Isabel Blancas, José M G...

Publish Year: 2018

[The role of exosomes on colorectal cancer: A review.](#)

<https://www.ncbi.nlm.nih.gov/pubmed/29156509>

Exosomes are extracellular microvesicles released from cells, which are involved in many biological and pathological processes, mainly because of their role in intercellular communication. Exosomes derived from colorectal cancer (CRC) cells are related to oncogenesis, tumor cell survival, chemo-resistance, and metastasis. The role of the exosomes in these processes involves **the transfer of proteins, RNAs, or**

Search Tools

[Turn off Hover Translation \(关闭取词\)](#)