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HOW TO RECONCILE THE MICRORNA-200 FAMILY WITH DIFFERENT Tumour sites?

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The microRNA-200 family is a small molecule which can play a potential role in cancer diagnosis and treatment. The miR-200 family includes 5 members (miR-200a, -200b, -200c, -141, -429). The steady decrease of miR-200 family expression correlated with the increasing number of lymph node metastasis in breast cancer. The miR-200 family is down regulated in gastric cancer. Expression of miRNA-200 family members and ZEB2 associated with brain metastases of gastric adenocarcinoma. miR200 family can inhibit ovarian cancer cell invasiveness and metastasis. Downregulation of both miR-200c and miR-141 independently predicted disease-free survival in hepatocellular carcinoma. It is still challenging to use miR-200 family in daily practice since most of the published studies at a preclinical phase. Redoubling the efforts and another manner should be created to accelerate the implementation.

Biography

Mohammed Y Almaghrabi is currently working as Radiation Oncologist at King Abdullah Medical City, Saudi Arabia. He is the Lead of Stereotactic RadioSurgery/Stereotactic Body Radiation Therapy task groups at the same hospital. He is a CNS Tumour Board Chairman. He was Head of Radiation Oncology Department at Prince Faisal Cancer Centre, Saudi Arabia. He holds his research experience from University of Ottawa, Canada and University of Nantes, France. He has been a recipient of many awards and grants. He was selected as Sectional Editor (Radiation Oncology, Biomarkers) for *Journal of Cancer Treatment and Diagnosis*, Reviewer for *British Journal of Radiology* and CARO annual scientific meeting. His research experience includes various programs, contributions and participation in different countries in diverse fields of study.

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