

## **Attenuated measles vaccine strain have potent oncolytic activity against Iraqi patient derived breast cancer cell line**

### **Saudi Journal of Biological Sciences**

Volume 27, Issue 3, March 2020, Pages 865-872

Safaa A.Lateef<sup>a</sup>Ahmed MajeedAl-Shammari<sup>b</sup>Sulaiman A.Abdullah<sup>a</sup>

### **Abstract**

One of the world's leading causes of death among females is breast cancer.

Oncolytic viruses are promising anticancer therapy that can overcome resistance to current conventional therapies. Measles virus replicates in and destroys malignant cells without affecting healthy cells. The study aimed to evaluate the lives attenuated Measles virus vaccine against Iraqi patient derived breast cancer cells that have functional BRCA1/BRCA2 genes and compare its activity against international breast cancer MCF-7 and CAL-51 cell lines.

#### **Keywords**

Measles virus vaccineOncolytic activityBreast cancerAMJ13