

Cancerous tumors are the foremost reason for morbidity and mortality, considering that millions of people are dying annually. Chemotherapeutic drugs show inadequate clinical effectiveness, due to the development of drug resistance during CT alongside the serious and life-threatening side effects, which increases the mortality rate in cancer patients. Breast cancer (BC) is categorized at the top of the most prevalent, while hepatocellular types carcinoma (HCC) is the fifth most widespread malignant tumor worldwide.