論文審査の要旨及び担当者

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(論文審査の要旨)

論文題名: *miR-125a-5p* expression was associated with docetaxel resistance through regulation of the *ICIS/MCAK* pathway in esophageal squamous carcinoma cells (食道扁平上皮癌細胞のドセタキセル耐性に関わる*ICIS/MCAK* 経路における *miR-125a-5p* の関与による制御)

The addition of docetaxel to cisplatin/5.FU (DCF) therapy has been reported to enhance anticancer activity. However, the prognosis of patients with drug resistance is poor. Recent studies have reported the roles of microRNAs (miRNAs) in chemotherapy resistance. This study is the prognosis of patients with drug resistance is poor. Recent studies have reported the roles of microRNAs (miRNAs) in chemotherapy resistance. This study is a sum of a message of the roles of the prognosis of patients with drug resistance the sophageal sum of a message of the roles of the prognosis of microRNAs (miRNAs) in chemotherapy resistance. This study is the microtubule network of the results of our research showed that downrage and sum of a message of the study initially was conducted with four cell lines (TE4, TE8, TE11, and TE15 cells). After establishment of docetaxel resistance, the results from TE8 docetaxel at 1E15 cells. After establishment of docetaxel resistance, the results from TE8 docetaxel analyzed in order to provide betaxel-resistant cell lines, the process to maintain the resistance due to a safe a star of the findings. Next, the author answered that the study initially was conducted with four cell lines (messistance cells analyzed by WST-8 assays at every step. The scientific committee suggested that another method for achieving this is by the cloning method, which can be used to maintain due train the resistance during the infinities of the committee selected 100 set as the another method for achieving this is by the cloning method, which can be used to maintain due the study interference and the resist method and the there are currently no other studies that have reported the role of *CIS* in docetaxel resistance cancer. These were the reasons that the research locus of *CIS* and *miR-125a-5p*. mediates mitotic centomere-associated kinesin (*MCAK*) signaling by the cloning that the expression of *TCIS* and *MCAK*. After the results indicated that there was a significant increaser to locetaxe of *CIS* in docetax