Glioma cell line

C6

C6 cancer cell line

GSC23

GSC23

J3T

J3T

LN229

LN229

SNB19

SNB19

T98G

T98G

U87

U87MG

U105

U105

U251

U251

U373 MG

U373 MG

mis-cultured glioma cells can acquire unnatural drug sensitivity, which would have devastating effects for clinical translations [1].

In 2006, inspired by neural stem cell (NSC) culture conditions, the Fine lab used serum-free, EGF/FGF-2-supplemented Neurobasal medium to cultivate primary glioma cells and found that these cells remained more similar to the parental tumors than those cultured in serum-containing DMEM medium [2].

Extracellular vesicles secreted by human glioma cells contain a wealth of tumor-specific proteins and nucleic acids that can be isolated from patients with these neoplasms. Thus, EV contribute to the development of biomarkers, and additionally have certain therapeutic potential for possible use in neurooncology and neurosurgery [3].

Results suggest that glioma cells themselves express Angiopoietin 2 and that expression may be induced by hypoxic stimulation and may play a crucial role in the vessel maturation, angiogenesis, and vessel regression in malignant glioma [4].

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