



**S4 Fig.** Secondary malignant neoplasm (SMN) development in patients with brain tumor. Cumulative incidences of SMN in brain tumors were illustrated according to the risk factors. All patients who developed SMN received radiation therapy (RT) > 2,340 cGy, and the incidence of SMN was significantly higher in patients who underwent craniospinal irradiation (CSI). HDCT, high-dose chemotherapy.