

levels of alpha tocopherol, vitamin e, in medulloblastoma

Table No. 3: Levels of β -Carotene, α -Tocopherol, SOD, and GPx in various type of brain tumors (mean \pm SD).

	β -Carotene (mg/ml)	α -Tocopherol (μ g/ml)	SOD (U/mg of Hb)	GPx (mU/mg of Hb)
1) Controls	1.6 \pm 0.4	76 \pm 3.1	9.5 \pm 1.5	92.5 \pm 10.9
2) Papillary Ependymoma	1.66 \pm 0.26	7.7 \pm 0.61	7.4 \pm 2.14	84.5 \pm 12.53
3) Juvenile Pilocytic Astrocytoma	1.25 \pm 0.19	5.75 \pm 0.78	7.9 \pm 2.49	80.5 \pm 7.78
4) Astrocytoma G- I – II	1.29 \pm 0.45	5.47 \pm 0.46	5.76 \pm 2.21	84 \pm 18.76
5) Oligodendroglioma G- I – II	1.02 \pm 0.49	4.76 \pm 0.99	5.88 \pm 2.16	69.85 \pm 17.76
6) Glioblastoma Multiforme	0.51 \pm 0.26	4.14 \pm 0.93	8.46 \pm 2.72	73.6 \pm 21.5
7) Medulloblastoma	0.56 \pm 0.28	4.05 \pm 0.66	6.2 \pm 3.54	72.4 \pm 15.08
8) Metastatic carcinoma	0.44 \pm 0.43	4.5 \pm 0.73	5.9 \pm 2.51	78.0 \pm 9.23

Note. they are lower than normal cells