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Erratum to "Numerical Analysis of Approximate Solutions and Linear Growth in a Glial Cell Dynamics Model" [Journal of Applied Mathematics and Physics (2025) 4506-4547]

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The original online version of this article (Azizi, S (2025) Numerical Analysis of Approximate Solutions and Linear Growth in a Glial Cell Dynamics Model. *Journal of Applied Mathematics and Physics*, **13** 4506-4547. https://doi.org/10.4236/jamp.2025.1312248) needs some further amendments and clarification.

1. Discussions and Results

By considering the transformation $\tau = 2Dt$ from relation (2.4) and setting the diffusion coefficient $D = 2.5$ along with the number of glial cells $C_0/N_0 = 4000$ (as referenced in [11]), we obtain the values listed in Table 1. Using the numerical values in Table 1, Figure 2 is generated, showing the increase of the untreated tumour radius and the simultaneous decrease of the treated tumour radius over time.

Table 1. Tumour radius for treated and untreated cases.

t (years)	r_lin (cm)	r_nonlin (cm)
0.100000	1.220000	1.750000
0.200000	1.820000	1.650000
0.300000	2.290000	1.550000
0.400000	2.690000	1.450000
0.500000	3.040000	1.350000
0.600000	3.350000	1.250000

Continued

0.700000	3.640000	1.150000
0.800000	3.900000	1.050000
0.900000	4.140000	0.950000
1.000000	4.370000	0.850000

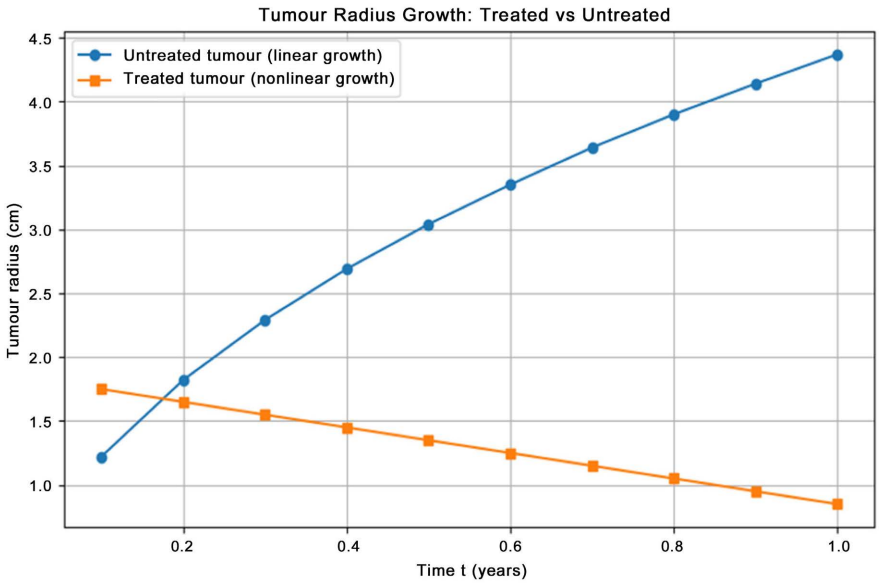

Figure 2. Radius evolution of treated vs. untreated tumour.