

1163-34-990

Sujani Ambahera, Murfreesboro, TN , and **Zachariah Sinkala***
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University, Murfreesboro, TN 37132. *Mathematical Modeling of Car T Cell Therapy in
Glioblastoma.*

Mathematical modeling has been used to study immune therapy on different cancer treatments. Chimeric antigen receptor (CAR)-engineered T cells is a promising immune therapy for treating cancers like Hodgkin Lymphoma. Some models have used to study the treatment of Hodgkin Lymphoma using Car T cell therapy, but not in glioblastoma. In our study, we use a system of ordinary differential equations to study CAR T therapy in the treatment of glioblastoma. (Received September 14, 2020)