A mathematical model for late term cancer chemotherapy ZAC IZARD, SARAH HIRSCHBECK, CHRISTIAN VOLK, MITRA SHOJANIA FEIZABADI, Canisius College — A mathematical model for cancer treated with the "on-off" type where the drug is either active or inactive and when the chemotherapeutic treatment only affects the cycling cells is presented. This model is considered for late term chemotherapy when the total population of cells doesn't show a significant change. The size of the cycling cells as a function of time has been investigated.

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