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(54) Title: MODIFIED ADENOVIRUSES

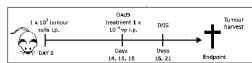


FIGURE 7A

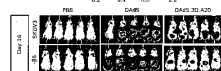


FIGURE 7B



FIGURE 7C



FIGURE 7D

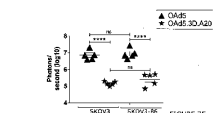


FIGURE 7E

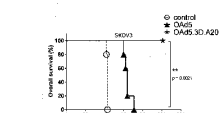


FIGURE 7F

(57) Abstract: The invention concerns a modified oncolytic adenovirus of serotype Ad5; a pharmaceutical composition comprising same; and a method of treating cancer using same wherein said modified adenovirus comprises at least one point mutation(s) in the hexon hypervariable region 7 (HVR7 mutation) to prevent virus binding with coagulation factor 10 (FX); at least one point mutation(s) in the fiber knob region AB loop (KO1 mutation) to prevent virus binding with the coxsackie and adenovirus receptor (CAR); and at least one point mutation(s) in the penton integrin binding motif Arg-Gly-Asp (RGD) to prevent virus binding with $\alpha_v\beta_3/\alpha_v\beta_5$ integrin.

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