# Nasopharyngeal carcinoma treatment using exosomes derived from γδ-T cells synergized with radiotherapy

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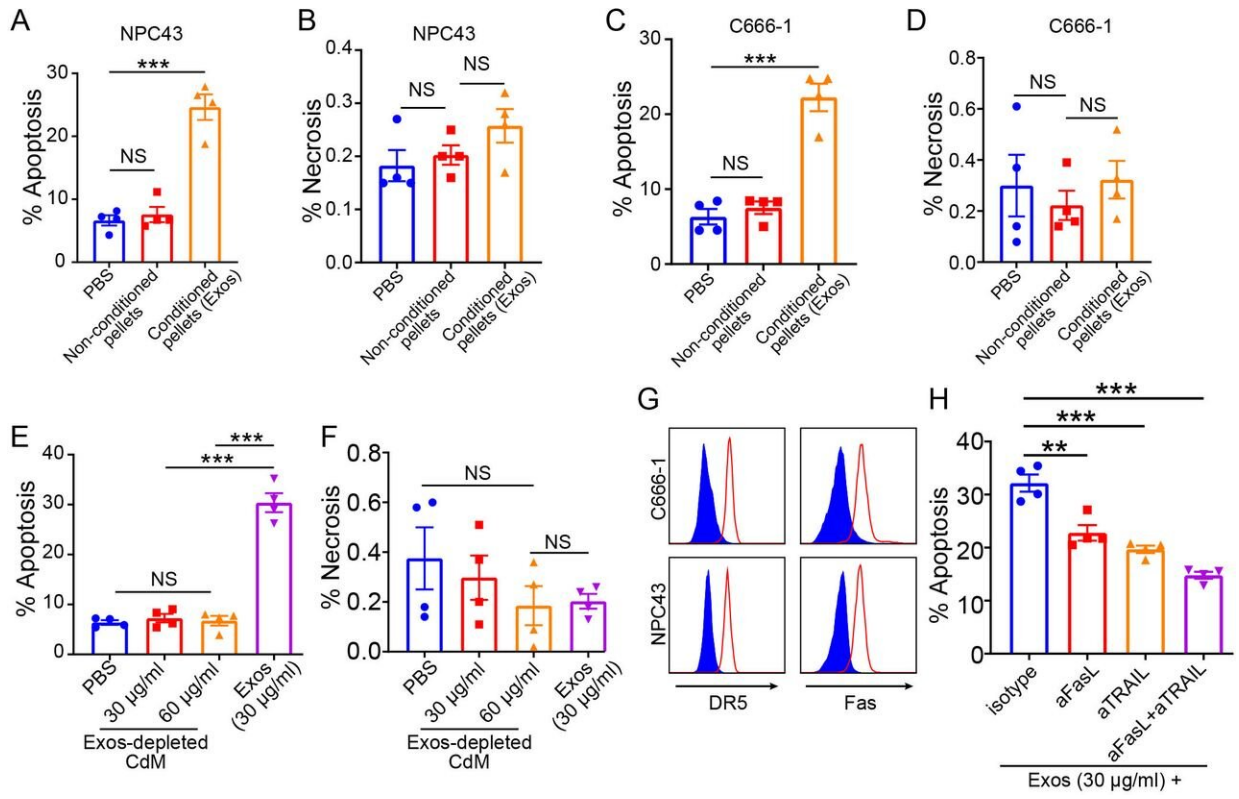


Exos induce apoptosis of NPC tumor cells through death receptor ligation. NPC43 or C666-1 cells were treated with PBS, ultracentrifuged pellets isolated from FBS–exosome-free non-conditioned medium or conditioned medium for 24 hours. Then, cell apoptosis (Annexin V+) and necrosis (AnnexinV− PI+) were detected by flow cytometry. Apoptosis (A) and necrosis (B) of NPC43 cells. Apoptosis (C) and necrosis (D) of C666-1 cells. NPC43 cells were treated PBS, Exos-depleted CdM containing soluble factors from Exos. Apoptosis (E)

and necrosis (F) of NPC43 cells were analyzed. (G) Representative figures of DR5 and Fas on NPC tumor cells determined by flow cytometry. The blue histograms represent isotype controls. (H) Apoptosis of C666-1 cells after treatment with Exos with or without pretreatment of neutralizing aFasL, aTRAIL antibodies or isotype control. Quantitative data are shown as mean±SEM of four biological replicates. Statistical analysis was performed using one-way analysis of variance with Bonferroni correction. **P