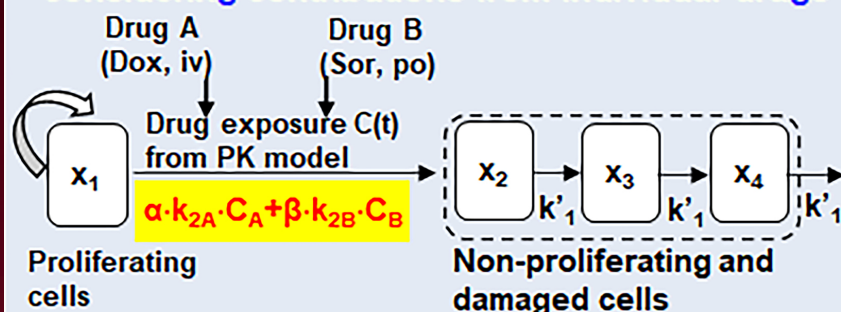


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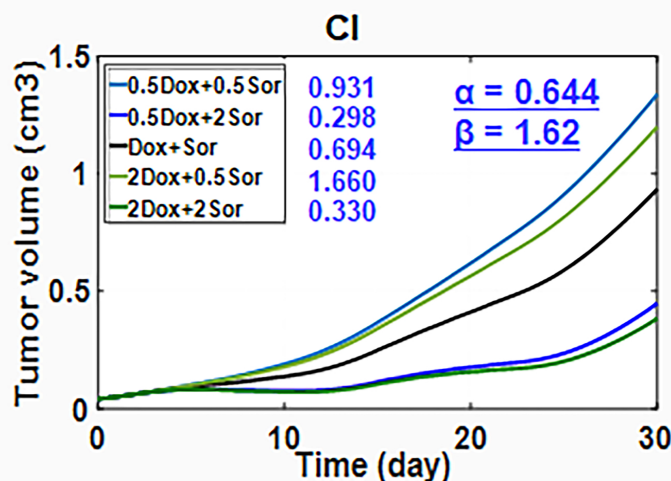
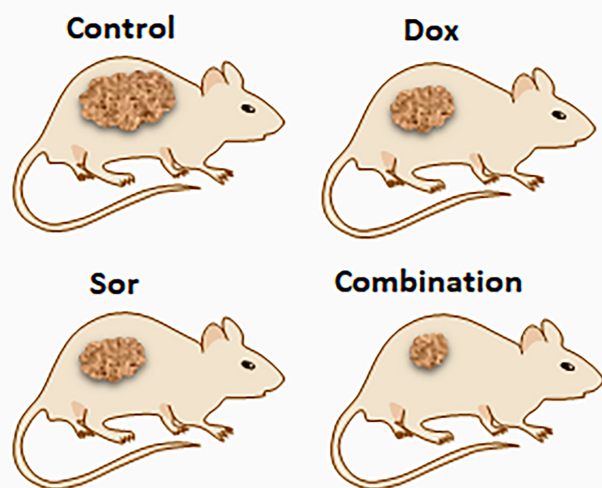
And Experimental Therapeutics

New PK-PD model for combination therapy by considering contributions from individual drugs



Combination Index (CI) Method is integrated into the predictive PK-PD model to critically define *in vivo* pharmacologic synergism.

- $CI > 1$, antagonism
- $CI = 1$, addition
- $CI < 1$, synergism



The new model 1) offers one definitive prediction of the responses to drug combinations, and 2) discloses a much greater contribution from sorafenib (Sor) to tumor growth inhibition than co-administered doxorubicin (Dox).