

A Preclinical Study of Combination Therapy Using Radiation Therapy with 5-Aminolevulinic Acid and Carbamide Peroxide

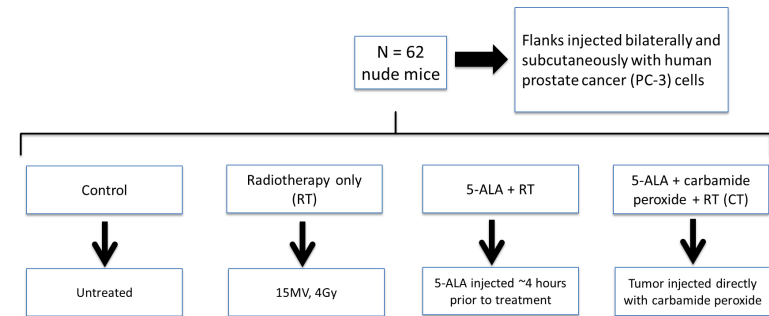
Session: Novel Treatment Delivery and Verification Strategies, 08/02/2018 | 7:30AM — 9:30AM

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Photosensitizer: Mechanism of Action



In-Vivo Study

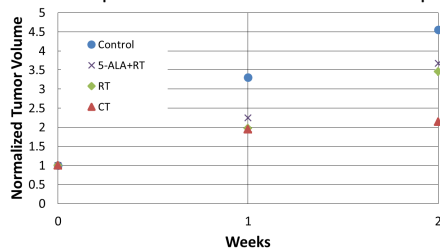


Results: In-Vivo Study

Average Tumor Volume Increase

Slow growing tumors excluded	Control	RT Only 4 Gy, 15 MV	5-ALA + RT	CT (5-ALA + $CH_2N_2O_2$ + RT)
Final volume (2 weeks)/ Initial Volume	4.60 ± 0.50 (N=37)	3.46 ± 0.40 (N=26)	3.33 ± 0.30 (N=26)	2.61 ± 0.23 (N=27)

Sample Tumor Growth for Each Group



In-Vitro Study

