



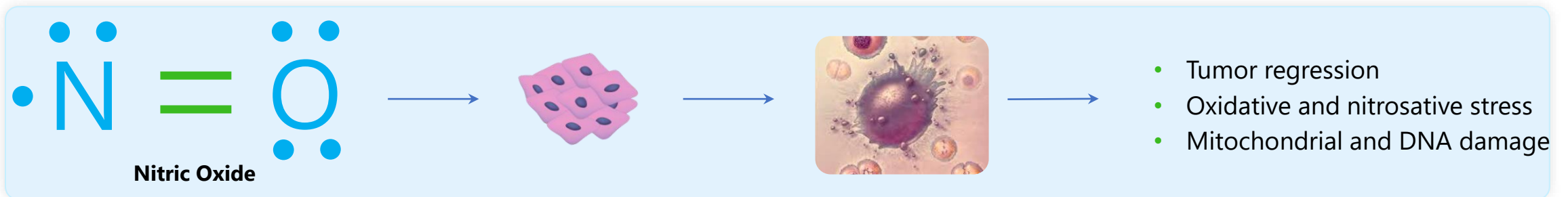
Nitric Oxide for Solid Tumors

Ultra high concentration nitric oxide has cytotoxic effects and immunostimulatory activity



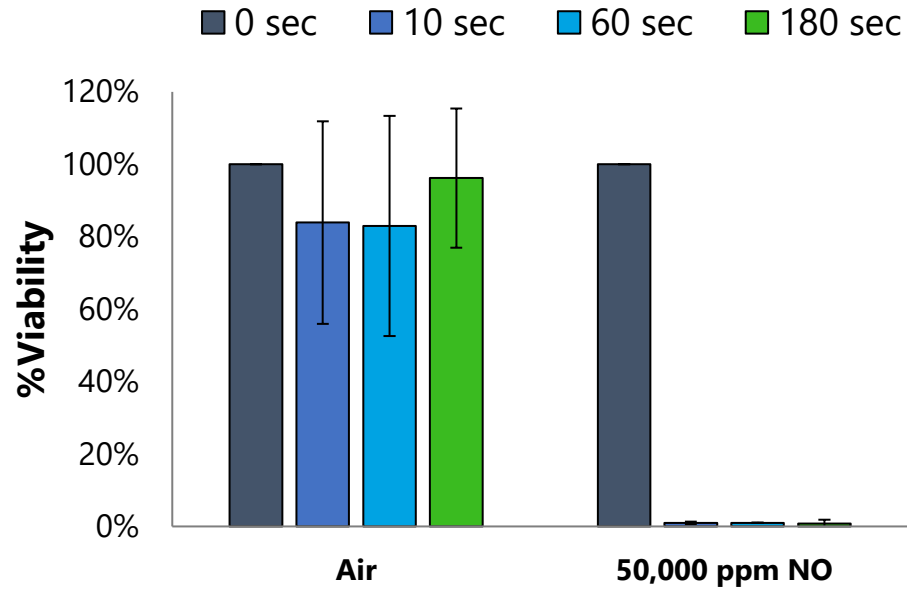
Nitric Oxide is a Powerful Anti-Cancer Agent

- NO has shown anticancer properties at high concentrations
- Local tumor ablation resulting in tumor antigen release of has been a goal in the fight against solid tumors
- Local tumor ablation using NO at concentrations > 10,000 ppm may result in tumor antigen release
- Our data suggest that our innovative gaseous NO-based treatment may treat solid tumors locally and their distant metastases systemically via stimulation of an anti-tumor immune response.



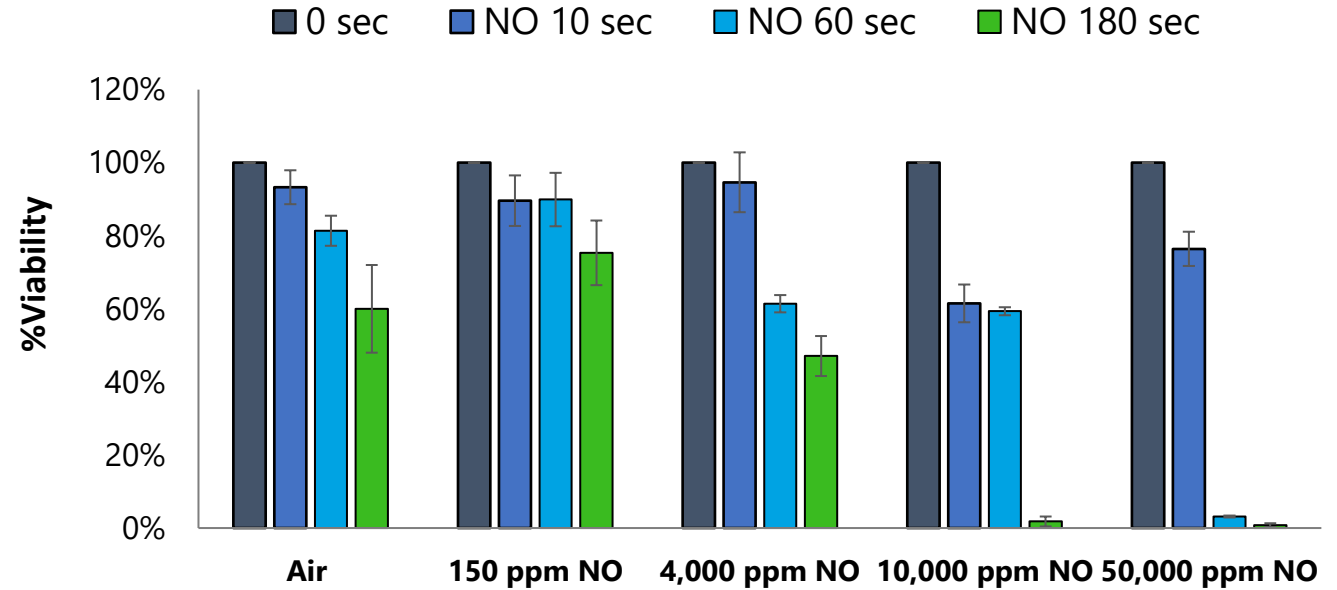
Nitric Oxide Shows a Cytotoxic Effect on Colon and Breast Cancer Cells

Colon Cancer Cells



Significant reduction in the viability of mouse colon cancer cells after exposure to 50,000ppm NO vs. air for 10-180 seconds.

Breast Cancer Cells

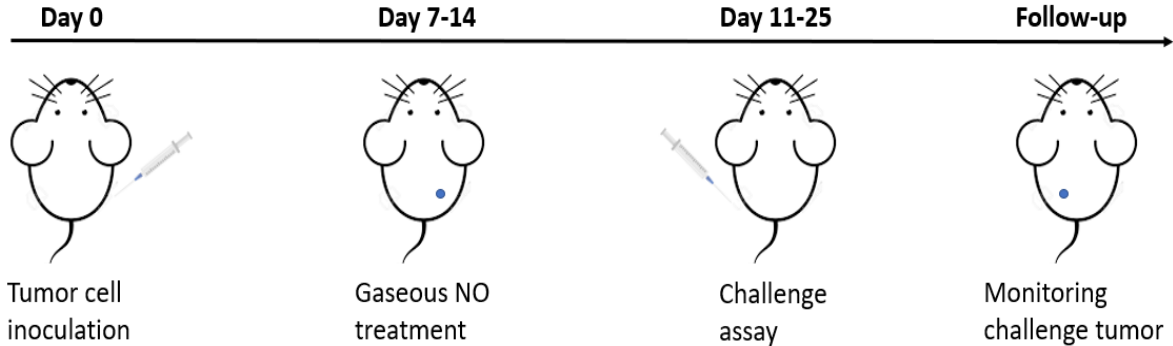


Significant time-dependent reductions in viability of mouse breast cancer cells after exposure to 150- 50,000 ppm NO or air for 10-180 seconds.

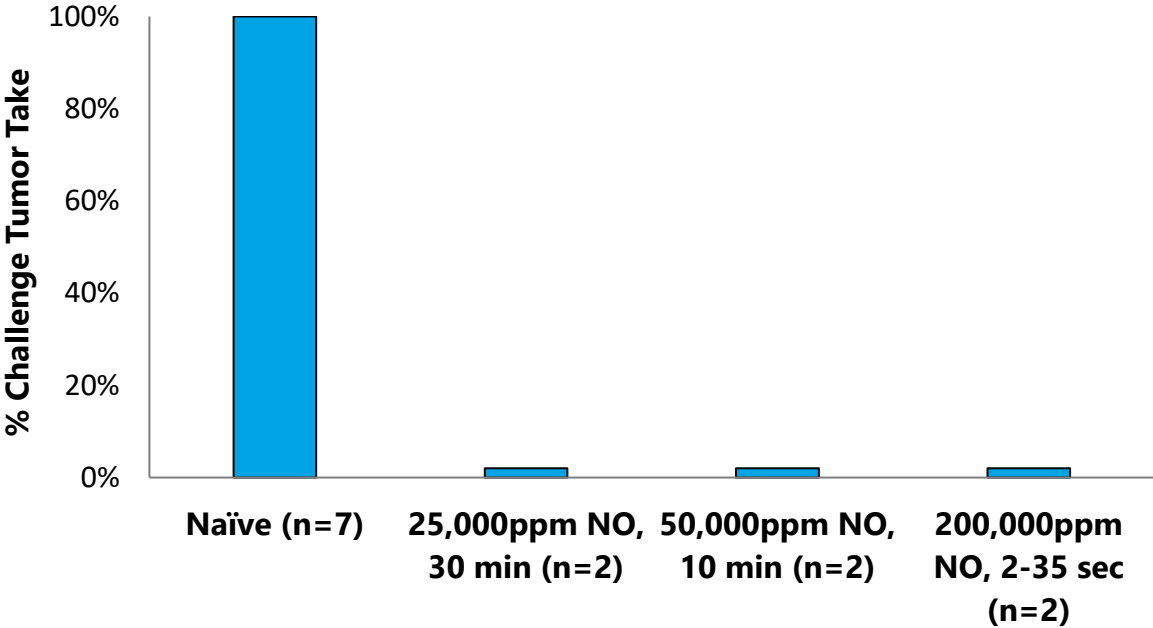
Data presented at the American Association for Cancer Research (AACR) June 22, 2020 via virtual AACR

Nitric Oxide Stimulates an Anti-Tumor Immune Response

Nitric oxide mediates 100% prevention of tumor challenge



Challenge assay: The tumors of colon cancer tumor-bearing mice were treated with NO. Up to 14 days post NO treatment, mice were re-inoculated with colon cancer cells (CT26 cells) and the percentage of tumor take was monitored.



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