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(54) Title: TRIPLE COMBINATION THERAPIES FOR ANTI-AGING

(57) Abstract: The present approach effectively eradicates senescent cells and cells carrying the hallmarks associated with aging, through inhibiting mitochondrial biogenesis during induced mitochondrial oxidative stress, without inhibiting normal cells. Embodiments may include a therapeutic agent that inhibits mitochondrial biogenesis and targets the large mitochondrial ribosome, a therapeutic agent that inhibits mitochondrial biogenesis and targets the small mitochondrial ribosome, and a therapeutic agent that behaves as a pro-oxidant or induces mitochondrial oxidative stress. Some embodiments include sub-antimicrobial antibiotic concentrations, thereby minimizing antibiotic resistance concerns.

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