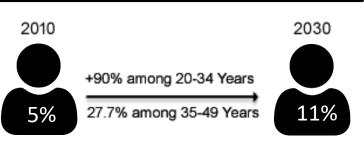


IMPACT OF COMBINATORIAL THERAPY ON METASTATIC COLON CANCER

Sharda N, Sokolov D, Singh D, Czinn SJ, Blanchard TG, Banerjee A Department of Pediatrics, University of Maryland School of Medicine

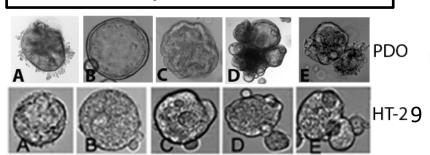
Young Colon Cancer



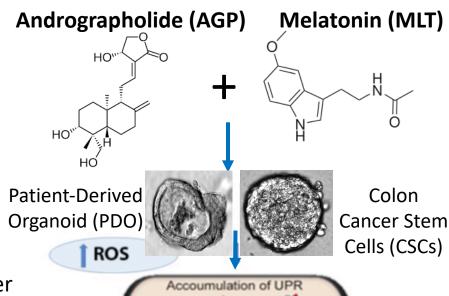
Problem of Young Colon Cancer

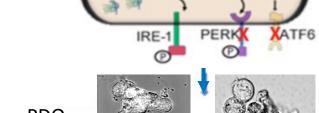
- 1. Delayed diagnosis causes metastasis
- 2. Conventional therapies target proliferating and differentiated cancer cells with limited killing of cancer stem cells which causes metastasis

Proposed Model



Results

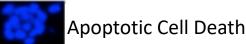




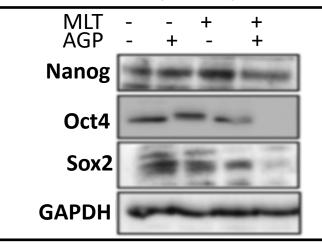




CSC Cell Death



Results (Contd.)



Significance

- The pharmacological concentration of both compounds are significantly less (3-5 folds)
- 2. Significantly diminishes the stemness properties.
- 3. Absence of toxological effect on normal cells.

Financial Support

Department of Pediatrics, UMB SOM.