Lecture Four

THE AGING-CANCER CONNECTION: IMPLICATIONS FOR CANCER PREVENTION

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Objectives: To understand the relationship between aging and cancer incidence and cancer aggressiveness, and to examine the cancer resistance observed among the oldest-old.

Summary: The aging-cancer intersection is surprisingly underexplored territory — few aging researchers know much about cancer, few cancer researchers know much about aging. This lecture will explore the relationship between: aging and the risk for cancer development; aging and the clinical aggressiveness of resultant cancers. Moreover, the observation that the oldest-old are resistant to cancer — a paradox shared by both dogs and humans — creates a unique opportunity to better understand the factors that favor cancer resistance. This lecture will emphasize how realizing progress in the aging-cancer intersection will be a key to developing smarter strategies for achieving a reduction in cancer mortality.

References


