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Screening for Pancreatic Ductal Adenocarcinoma: Are We Asking the Impossible?
Katharine E. Caldwell, Alexander P. Conway, and Chet W. Hammill

For patients with pancreatic cancer, early stage detection offers the greatest survival benefit. However, the incidence of pancreatic cancer and associated mortality of pancreatic resections make development of a screening test a difficult, if not impossible, challenge.

Baseline Oral Microbiome and All-cancer Incidence in a Cohort of Nonsmoking Mexican American Women

Mexican American women suffer a disproportionate burden of chronic health conditions that increase cancer risk. Few investigations of the microbiome, a key determinant of host health, have been conducted among this group. Oral microbiota profiles may provide early and accessible cancer biomarker data on invasive bacteria or community disruptions.

Effects of Supplemental Calcium and Vitamin D on Circulating Biomarkers of Gut Barrier Function in Patients with Colon Adenoma: A Randomized Clinical Trial
Kelly Vermandere, Roberd M. Bostick, Hao Q. Tran, Andrew T. Gewirtz, Elizabeth L. Barry, Robin E. Rutherford, March E. Seabrook, and Veronika Fedirko

Calcium and vitamin D may be involved in regulating and maintaining the integrity of the intestinal mucosal barrier, the dysfunction of which results in exposure of the host to luminal bacteria, endotoxins, and antigens leading to potentially cancer-promoting endotoxemia and chronic colon inflammation. While our results suggest that daily supplementation with these chemopreventive agents does not modify circulating concentrations of gut permeability biomarkers, they support continued investigation of other potential modifiable factors, such as diet and excess adiposity, that could alter gut barrier function, to inform the development of treatable biomarkers of risk for colorectal neoplasms and effective colon cancer preventive strategies.