A01  Sleep duration and circadian components of the sleep/wake cycle and their association with body mass index and eating behaviors in children. Bernard Fuemmeler, Virginia Commonwealth University, Richmond, VA, United States.

A02  Estimating the current and future cancer burden attributable to obesity in Canada. Darren Brenner, University of Calgary, Calgary, AB, Canada.

A03  Metformin decreases obesity-associated macrophage infiltration and lymphangiogenesis in the tumor microenvironment in a rodent model of breast cancer. Erin Giles, Texas A&M University, College Station, TX, United States.


A05  Impact of demographic and lifestyle factors on breast adipose tissue inflammation. Kristin Campbell, University of British Columbia, Vancouver, BC, Canada.

A06  Reversing the procancer effects of obesity in a mouse model of colon cancer: Diet versus drug. Laura Bowers, University of North Carolina at Chapel Hill, Chapel Hill, NC, United States.

A07  Supplemental estrogen reverses obesity-induced periprostatic white adipose tissue inflammation in mice. Priya Bhardwaj, Weill Cornell Medicine, New York, NY, United States.

A08  Metabolically active macrophages: A novel mechanistic link between obesity and TNBC. Payal Tiwari, University of Chicago, Chicago, IL, United States.

A10  RAB7-GTPase: Roles in obesity, inflammation, and tumor cell survival. Imoh Okon, Georgia State University, Atlanta, GA, United States.

A11  Weight loss normalizes obesity-associated claudin-low breast cancer progression: Role of mammary fat pad growth factors and immune cell infiltrates. Liza Makowski, University of Tennessee Health Science Center, Memphis, TN, United States.

A12  Brown adipose tissue lipidomic profile and antitumor properties against breast cancer cells: The role of caspase 1/11. Luis Henrique Correa, University of Brasilia, Brasilia, Brazil.

A13  Obesity and Breast Cancer Metastasis: The Role of Inflammation. Shannon McDonell, The University of North Carolina at Chapel Hill, Chapel Hill, NC, United States.
A14  Retrospective pilot study on the association between body mass index and breast inflammation among Hispanic breast cancer patients. Heather Greenlee, Fred Hutchinson Cancer Research Center, University of Washington, Seattle, WA, United States.


A16  The role of CaSR and calcium signaling in obesity-mediated invasive prostate cancer. Blaine Sherman, Texas State University, San Marcos, TX, United States.

A17  Adipose tissue endothelial cell-derived microvesicles are a potential link between obesity and cancer. Anca Dobrian, Eastern Virginia Medical School, Norfolk, VA, United States.

A18  Genetic variants related to insulin-like growth factor-I and insulin resistance and their interactions with lifestyle factors on breast cancer risk: A two-stage random survival forest analysis. Su Yon Jung, University of California, Los Angeles, Los Angeles, CA, United States.

A19  Genetic variants related to insulin-like growth factor-I and insulin metabolism pathways and their interactions with lifestyle factors on colorectal cancer risk: A two-stage random survival forest analysis. Su Yon Jung, University of California, Los Angeles, Los Angeles, CA, United States.

A20  The Women in Steady Exercise Research (WISER) Survivor Trial: Comparative effectiveness of exercise, weight loss, or their combination, to reduce metabolic biomarkers of recurrence in breast cancer survivors. Kathleen Sturgeon, Pennsylvania State University, Hershey, PA, United States.

A21  A prospective study of obesity, metabolic health, and cancer mortality among blacks and whites. Tomi Akinyemiju, University of Kentucky, Lexington, KY, United States.

A22  Examining the effect of metformin on the proliferation rate of breast cancer cells. Ethan Loftspring, University of Texas, Austin, TX, United States.

A23  Circumventing insulin feedback increases PI3K inhibitor efficacy. Benjamin Hopkins, Weill Cornell Medicine, New York, NY, United States.

A24  Protein intake is associated with increased oxidative stress during chemotherapy regimens in pediatric leukemia and lymphoma patients. Joya Chandra, The University of Texas MD Anderson Cancer Center, Houston, TX, United States.

A25  Randomized trial evaluating the role of weight loss in overweight/obese men on active surveillance: Rationale and design of the Prostate Cancer Active Lifestyle Study (PALS). Jeannette Schenk, Fred Hutchinson Cancer Research Center, Seattle, WA, United States.

A27  Overweight and obesity alter the survival rate of breast cancer patients depending on the menopausal and hormone receptor status. Xiaozheng Liu, University of Bergen, Bergen, Norway.

A28  Redox-active metabolites predict clinically-relevant non-alcoholic fatty liver disease in the Multiethnic Cohort-Adiposity Phenotype Study (MEC-APS). Bruce Kristal, Brigham and Women’s Hospital and Harvard Medical School, Boston, MA, United States.
A29  Identifying the genetic contributors to liver fat for future studies of cancer risk: The Multiethnic Cohort Adiposity Phenotype Study. Iona Cheng, University of California, San Francisco, San Francisco, CA, United States.

A30  Development, delivery and impact of the Transdisciplinary Research in Energetics and Cancer (TREC) Training Course. Melinda Irwin, Yale School of Public Health, New Haven, CT, United States.

A31  Differential benefit of taxane-based chemotherapy in breast cancer patients according to baseline body mass index. Christine Desmedt, Institut Jules Bordet, Universite Libre de Bruxelles, Brussels, Brussels, Belgium.

A32  Stromal antigen 1 and colorectal cancer: Implications for obesity-driven CRC carcinogenesis. Mart Angelo Dela Cruz, Boston University Medical Center, Boston, MA, United States.

A33  Body composition changes after diagnosis and survival of patients with advanced pancreatic cancer. Ana Babic, Dana-Farber Cancer Institute, Boston, MA, United States.

A34  Combined impact of health behaviors on incidence of overweight and obesity among U.S. military veterans. Deborah Bookwalter, Henry M. Jackson Foundation for the Advancement of Military Medicine, Bethesda, MD, United States.
B01  Effects of aerobic and resistance exercise on sarcopenic obesity in overweight or obese breast cancer survivors: A randomized controlled trial. Christina Dieli-Conwright, University of Southern California, Los Angeles, CA, United States.

B02  Relationship between obesity and breast tumor pathology in a contemporary set of patients. Leann Lovejoy, Chan Soon-Shiong Institute of Molecular Medicine at Windber, Windber, PA, United States.

B03  Higher rates of overweight and obesity in pediatric oncology patients persists into survivorship; A retrospective study. Brianna Murphy, The University of Texas MD Anderson Cancer Center, Houston, TX, United States.

B04  Application of the WCRF International/University of Bristol methodology for systematically reviewing mechanistic evidence on the subject of obesity and cancer. Sarah Lewis, University of Bristol, Bristol, United Kingdom.

B05  Do environmental factors moderate effects of a weight loss intervention for African American breast cancer survivors? Jamila Kwarteng, Medical College of Wisconsin, Milwaukee, WI, United States.

B07  Racial/ethnic distribution of liver fat and pancreas fat and their prediction by biomarkers: The Multiethnic Cohort Adiposity Phenotype Study. Unhee Lim, University of Hawaii Cancer Center, Honolulu, HI, United States.

B08  The evidence linking obesity and cancer: Summarizing the findings from WCRF/AICR Continuous Update Project Reports. Nigel Brockton, American Institute for Cancer Research, Arlington, VA, United States.

B09  Effects of body shape and size on cancer incidence in the Alberta’s Tomorrow Project cohort. Darren Brenner, University of Calgary, Calgary, AB, Canada.

B10  Obesity-related cancer survivors have higher BMI and lower physical activity levels. Mary Puckett, Centers for Disease Control and Prevention, Atlanta, GA, United States.

B11  Weight status and diet-related behaviors and beliefs in parent-adolescent dyads: An analysis of the National Cancer Institute’s FLASHE Study. Linda Nebeling, National Cancer Institute, Rockville, MD, United States.
B12 Exploring the associations between daily glucose dynamics and cancer risk-related biomarkers in overweight and obese adults. Yue Liao, University of Texas MD Anderson Cancer Center, Houston, TX, United States.

B13 Observed cooking behaviors of families with and without childhood cancer survivors and the development of a healthy cooking assessment tool. Margaret Raber, University of Texas MD Anderson Cancer Institute, Houston, TX, United States.

B14 Body mass index is inversely associated with adherence to moderate-vigorous physical activity recommendations in ovarian cancer survivors. Meghan Skiba, University of Arizona, Tucson, AZ, United States.

B15 Association between HEI-2015 scores and obesity-related cancer incidence among postmenopausal Hispanic women in the Women's Health Initiative. Melissa Lopez-Pentecost, University of Arizona, Tucson, AZ, United States.

B16 Body mass index and physical activity in European American, Sea Island African American, and non-Sea Island African American women with breast cancer. Joan Cunningham, Medical University of South Carolina, Charleston, SC, United States.

B17 Visceral adipose tissue density and the obesity paradox in clear cell renal cell carcinoma (ccRCC). Helena Furberg Barnes, Memorial Sloan Kettering Cancer Center, New York, NY, United States.

B18 Obesity stimulates tumor growth in a novel paired in vitro and in vivo model using patient-derived colorectal cancer xenografts. Michael Greene, Auburn University, Auburn, AL, United States.

B19 First-year weight loss with androgen-deprivation therapy increases risks of prostate cancer progression and prostate cancer-specific mortality: Results from Search. Ilona Csizmadi, Cedars-Sinai Medical Center, Los Angeles, CA, United States.

B20 Breast epithelium DNA damage is elevated in obese BRCA mutation carriers in association with obesity-induced changes in breast adipose tissue. Priya Bhardwaj, Weill Cornell Medicine, New York, NY, United States.

B21 Exploring mechanisms of obesity-driven pancreatic cancer progression in mice. Mandar Muzumdar, Yale University School of Medicine, New Haven, CT, United States.


B23 Targeting leptin-Notch axis sensitizes pancreatic and triple-negative breast cancers to chemotherapeutics. Adriana Harbuzariu, Morehouse School of Medicine, Atlanta, GA, United States.

B24 Abdominal versus gluteofemoral obesity and risk of hepatocellular carcinoma and intrahepatic cholangiocarcinoma: The Liver Cancer Pooling Project. Jessica Petrick, National Cancer Institute, Bethesda, MD, United States.

B25 Adult calorie restriction using a high-fat diet reduces weight gain and delays mammary tumor development in a mouse model of postmenopausal breast cancer. Margot Cleary, Hormel Institute-University of Minnesota, Austin, MN, United States.
B26  BMI and metabolic syndrome correlate with prostate enlargement in the intermediate- and high-risk prostate cancer patients. Arash Samiei, Allegheny Health Network, Department of Urology, Pittsburgh, PA, United States.

B27  Obesity and metabolic syndrome correlate with poor oncologic outcome in prostate cancer patients who underwent radical prostatectomy. Arash Samiei, Allegheny Health Network, Department of Urology, Pittsburgh, PA, United States.

B29  Inositol polyphosphate-4-phosphatase type II mediates prostate cancer latency. Manqi Zhang, Florida International University, Miami, FL, United States.

B30  Adipokines, visfatin and resistin, promote an invasive liver cancer phenotype. Candace Miethe, Texas State University, San Marcos, TX, United States.

B31  Excess dietary fat induces inflammatory cytokines, alters microbiome profiles, and reduces cancer latency in a model of reflux-induced esophageal adenocarcinoma. Laura Kresty, University of Michigan, Ann Arbor, MI, United States.

B32  Shifts in gut microbiome populations induced by diet modulate obesity-mediated breast cancer risk. Katherine Cook, Wake Forest University Health Science, Winston Salem, NC, United States.

B33  The function of the NLRP3 inflammasome and caspase-1/11 in diet-induced obesity, lipid inflammatory metabolism, and gut microbiota. Livia Dourado, University of Brasilia, Brasilia, DF, Brazil.

B34  Nonalcoholic fatty liver disease (NAFLD), an important risk factor for liver cancer, and links to the microbiome in the Multiethnic Cohort Adiposity Phenotype Study (MEC-APS). Meredith Hullar, Fred Hutchinson Cancer Research Center, Seattle, WA, United States.