

Hypothesis/Commentary

An Interlocker Concept of Carcinogenesis. Lee W. Wattenberg1425

Review

Vitamin D, Calcium, and Breast Cancer Risk: A Review. Yan Cui and Thomas E. Rohan1427

Research Articles

- A Follow-up Study of Physical Activity and Incidence of Colorectal Polyps in African-American Women.** Lynn Rosenberg, Deborah Boggs, Lauren A. Wise, Julie R. Palmer, Mark H. Roltsch, Kepher H. Makambi, and Lucile L. Adams-Campbell1438
- Associations of *Ki-ras* Proto-oncogene Mutation and p53 Gene Overexpression in Sporadic Colorectal Adenomas with Demographic and Clinicopathologic Characteristics.** Janine G. Einspahr, Maria Elena Martinez, Ruiyun Jiang, Chiu-Hsieh Hsu, Achyut K. Bhattacharrya, Dennis J. Ahnen, Elizabeth T. Jacobs, P. Scott Houlihan, C. Renee Webb, David S. Alberts, and Stanley R. Hamilton1443
- Chromosomal Instability in Barrett's Esophagus Is Related to Telomere Shortening.** Jennifer C. Finley, Brian J. Reid, Robert D. Odze, Carissa A. Sanchez, Patricia Galipeau, Xiaohong Li, Steven G. Self, Katherine A. Gollahon, Patricia L. Blount, and Peter S. Rabinovitch1451
- Diabetes Mellitus and Pancreatic Cancer in a Population-Based Case-Control Study in the San Francisco Bay Area, California.** Furong Wang, Samir Gupta, and Elizabeth A. Holly1458
- Tobacco Use in Adult Long-term Survivors of Retinoblastoma.** Meredith C. Foster, Ruth A. Kleinerman, David H. Abramson, Johanna M. Seddon, Robert E. Tarone, and Margaret A. Tucker1464
- Estrogen and α -Fetoprotein Levels in Maternal and Umbilical Cord Blood Samples in Relation to Birth Weight.** Chisato Nagata, Shinichi Iwasa, Makoto Shiraki, and Hiroyuki Shimizu1469
- Deletion Polymorphism of UDP-Glucuronosyltransferase 2B17 and Risk of Prostate Cancer in African American and Caucasian Men.** Jong Park, Lan Chen, Luke Ratnashinge, Thomas A. Sellers, Jean-Paul Tanner, Ji-Hyun Lee, Nicole Dossett, Nicholas Lang, Fred F. Kadlubar, Christine B. Ambrosone, Babu Zachariah, Randy V. Heysek, Stephen Patterson, and Julio Pow-Sang1473
- Design and Progress of a Trial of Selenium to Prevent Prostate Cancer among Men with High-Grade Prostatic Intraepithelial Neoplasia.** James R. Marshall, Wael Sakr, David Wood, Donna Berry, Catherine Tangen, Felicia Parker, Ian Thompson, Scott M. Lippman, Ronald Lieberman, David Alberts, David Jarrard, Charles Coltman, Peter Greenwald, Lori Minasian, and E. David Crawford1479
- The Cost of Prostate Cancer Chemoprevention: A Decision Analysis Model.** Robert S. Svatek, J. Jack Lee, Claus G. Roehrborn, Scott M. Lippman, and Yair Lotan1485
- Combined Analysis of *r*-1,*t*-2,3,*c*-4-Tetrahydroxy-1,2,3,4-Tetrahydrophenanthrene and 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanol in Smokers' Plasma.** Steven G. Carmella, Andrea Yoder, and Stephen S. Hecht1490
- Cigarette Yields and Human Exposure: A Comparison of Alternative Testing Regimens.** David Hammond, Geoffrey T. Fong, K. Michael Cummings, Richard J. O'Connor, Gary A. Giovino, and Ann McNeill1495

Associations among Mammographic Density, Circulating Sex Hormones, and Polymorphisms in Sex Hormone Metabolism Genes in Postmenopausal Women. Ruth Warren, Jane Skinner, Evis Sala, Erika Denton, Mitch Dowsett, Elizabeth Folkerd, Catherine S. Healey, Alison Dunning, Deborah Doody, Bruce Ponder, Robert N. Luben, N.E. Day, and Douglas Easton	.1502
Prenatal Diethylstilbestrol Exposure and Risk of Breast Cancer. Julie R. Palmer, Lauren A. Wise, Elizabeth E. Hatch, Rebecca Troisi, Linda Titus-Ernstoff, William Strohsnitter, Raymond Kaufman, Arthur L. Herbst, Kenneth L. Noller, Marianne Hyer, and Robert N. Hoover	.1509
Differences in Cancer Incidence among Indians in Alaska and New Mexico and U.S. Whites, 1993-2002. Janet J. Kelly, Anne P. Lanier, Steven Alberts, and Charles L. Wiggins	.1515
The Prevalence of <i>CDKN2A</i> Germ-Line Mutations and Relative Risk for Cutaneous Malignant Melanoma: An International Population-Based Study. Marianne Berwick, Irene Orlow, Amanda J. Hummer, Bruce K. Armstrong, Anne Krickler, Loraine D. Marrett, Robert C. Millikan, Stephen B. Gruber, Hoda Anton-Culver, Roberto Zanetti, Richard P. Gallagher, Terence Dwyer, Timothy R. Rebbeck, Peter A. Kanetsky, Klaus Busam, Lynn From, Urvi Mujumdar, Homer Wilcox, Colin B. Begg, and The GEM Study Group	.1520
A Phase I Study of <i>myo</i>-Inositol for Lung Cancer Chemoprevention. Stephen Lam, Annette McWilliams, Jean leRiche, Calum MacAulay, Lee Wattenberg, and Eva Szabo	.1526
Cancer after Total Joint Arthroplasty: A Meta-analysis. Tracy Onega, John Baron, and Todd MacKenzie	.1532
Validity and Reliability of Adult Recall of Past Sun Exposure in a Case-Control Study of Multiple Sclerosis. I.A.F. van der Mei, L. Blizzard, A-L. Ponsonby, and T. Dwyer	.1538

Short Communications

Merkel Cell Carcinoma and Multiple Primary Cancers. Regan A. Howard, Graça M. Dores, Rochelle E. Curtis, William F. Anderson, and Lois B. Travis	.1545
Ovarian Volume: Determinants and Associations with Cancer among Postmenopausal Women. Mark E. Sherman, James V. Lacey, Saundra S. Buys, Douglas J. Reding, Christine D. Berg, Craig Williams, and Patricia Hartge	.1550
Flavonoids and Colorectal Cancer in Italy. Marta Rossi, Eva Negri, Renato Talamini, Cristina Bosetti, Maria Parpinel, Patrizia Gnagnarella, Silvia Franceschi, Luigino Dal Maso, Maurizio Montella, Attilio Giacosa, and Carlo La Vecchia	.1555

Null Results in Brief

<i>MDM2</i> SNP309 and SNP354 Are Not Associated with Lung Cancer Risk. Sharon R. Pine, Leah E. Mechanic, Elise D. Bowman, Judith A. Welsh, Stephen C. Chanock, Peter G. Shields, and Curtis C. Harris	.1559
Lung Cancer Chemoprevention: A Randomized, Double-Blind Trial in Linxian, China. Farin Kamangar, You-Lin Qiao, Binbing Yu, Xiu-Di Sun, Christian C. Abnet, Jin-Hu Fan, Steven D. Mark, Ping Zhao, Sanford M. Dawsey, and Philip R. Taylor	.1562
No Increased Risk of Breast Cancer Associated with Alcohol Consumption among Carriers of <i>BRCA1</i> and <i>BRCA2</i> Mutations Ages <50 Years. Valerie McGuire, Esther M. John, Anna Felberg, Robert W. Haile, Norman F. Boyd, Duncan C. Thomas, Mark A. Jenkins, Roger L. Milne, Mary B. Daly, John Ward, Mary Beth Terry, Irene L. Andrulis, Julia A. Knight, Andrew K. Godwin, Graham G. Giles, Melissa Southey, Dee W. West, John L. Hopper, Alice S. Whittemore, and the kConFab Investigators	.1565

Corrections	.1568
--------------------	-------

On the Cover

The cover shows DES in complex with the human estrogen receptor α ligand binding domain. Shiao AK, Barstad D, Loria PM, Cheng L, Kushner PJ, Agard DA, Greene GL. The structural basis of estrogen receptor/coactivator recognition and the antagonism of this interaction by tamoxifen. *Cell* 1998;95:927-37. <http://www.pdb.org/>.