Contents

Highlights of This Issue 2689

REVIEW

2691  Sedentary Behavior and Cancer: A Systematic Review of the Literature and Proposed Biological Mechanisms
Brigid M. Lynch

HYPOTHESIS/COMMENTARY

2710  What Can We Learn about Disease Etiology from Case-Case Analyses? Lessons from Breast Cancer
María Elena Martínez, Giovanna I. Cruz, Abenaa M. Brewster, Melissa L. Bondy, and Patricia A. Thompson

EDITORIAL

2715  Research on Risk Assessment for Secondary Lymphedema following Breast Cancer Treatment
Jane M. Armer
See article, p. 2734

Geetanjali D. Datta, Ichiro Kawachi, Cyrille Delpierre, Thierry Lang, and Pascale Grosclaude

2727  Interaction of Area-Level Socioeconomic Status and UV Radiation on Melanoma Occurrence in California
Christina A. Clarke, Lisa M. Moy, Susan M. Swetter, John Zadnick, and Myles G. Cockburn

RESEARCH ARTICLES

2734  Risk Factors for Lymphedema after Breast Cancer Treatment
Sandra A. Norman, A. Russell Localio, Michael J. Kallan, Anita L. Weber, Heather A. Simoes Torpey, Sheryl L. Potashnik, Linda T. Miller, Kevin R. Fox, Angela DeMichele, and Lawrence J. Solin
See commentary, p. 2715

Sandy L. Kwong, Susan L. Stewart, Christopher A. Aoki, and Moon S. Chen, Jr.

2758  False-Positive Results in the Randomized Controlled Trial of Mammographic Screening from Age 40 (“Age” Trial)
Louise E. Johns and Sue M. Moss; for the Age Trial Management Group

2765  Cost-Effectiveness of Colorectal Cancer Screening in High-Risk Spanish Patients: Use of a Validated Model to Inform Public Policy
Uri Ladabaum, Angel Fernandez, and Angel Lanas

2777  Cathepsin B Expression and Survival in Colon Cancer: Implications for Molecular Detection of Neoplasia
Andrew T. Chan, Yoshifumi Baba, Kaori Shima, Katsuhiro Noshio, Daniel C. Chung, Kenneth E. Hung, Umar Mahmood, Karen Madden, Kirstland Poss, Audrey Ranieri, Daniel Shue, Raju Kucherlapati, Charles S. Fuchs, and Shuji Ogino

2786  Detection of Early-Stage Pancreatic Adenocarcinoma
David V. Gold, Michael Goggins, David E. Modrak, Guy Newsome, Mengling Liu, Chanjuan Shi, Ralph H. Hruban, and David M. Goldenberg
Urine Cotinine Underestimates Exposure to the Tobacco-Derived Lung Carcinogen 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanone in Passive Compared with Active Smokers
Neal Benowitz, Maciej Lukasz Goniewicz, Mark D. Eisner, Eduardo Lazcano-Ponce, Wioleta Zielinska-Danch, Bartosz Koszowski, Andrzej Sobczak, Christopher Havel, and Peyton Jacob III

Forty Years of Faster Decline in Cigarette Smoking in California Explains Current Lower Lung Cancer Rates
John P. Pierce, Karen Messer, Martha M. White, Sheila Kealey, and David W. Cowling

Knowledge and Beliefs about Smoking and Cancer among Women in Five European Countries
Qian Li, Carolyn Dresler, Julia E. Heck, Shane Allwright, Margaretta Haglund, Sara Sanchez, Eva Krulikova, Isabelle Stucker, Elizabeth Tamang, Ellen R. Gritz, and Mia Hashibe

Is Discussion of Colorectal Cancer Screening Options Associated with Heightened Patient Confusion?
Resa M. Jones, Sally W. Vernon, and Steven H. Woolf

Hemoglobin and Aerobic Fitness Changes with Supervised Exercise Training in Breast Cancer Patients Receiving Chemotherapy
Lianne B. Dolan, Karen Gelmon, Kerry S. Courneya, John R. Mackey, Roanne J. Segal, Kirstin Lane, Robert D. Reid, and Donald C. McKenzie

Associations of Folate, Vitamin B₁₂, Homocysteine, and Folate-Pathway Polymorphisms with Prostate-Specific Antigen Velocity in Men with Localized Prostate Cancer

A Case-Control Study on the Effect of Apolipoprotein E Genotype on Head and Neck Cancer Risk
Emma DeFeo, Jessica Rowell, Gabriella Cadoni, Nicola Nicolotti, Dario Arzani, Arianna Giorgio, Rosarita Amore, Gaetano Paludetti, Guatiero Ricciardi, and Stefania Boccia

Germline Variation in Apoptosis Pathway Genes and Risk of Non-Hodgkin’s Lymphoma

Association of the Variants CASP8 D302H and CASP10 V410I with Breast and Ovarian Cancer Risk in BRCA1 and BRCA2 Mutation Carriers
<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>2888</td>
<td>Global Histone Modification Patterns as Prognostic Markers to Classify Glioma Patients</td>
<td>Bo-lin Liu, Jin-xiang Cheng, Xiang Zhang, Rui Wang, Wei Zhang, Hong Lin, Xian Xiao, Sang Cai, Xiao-yun Chen, and Hong Cheng</td>
</tr>
<tr>
<td>2897</td>
<td>Exposure to Diagnostic Radiological Procedures and the Risk of Childhood Acute Lymphoblastic Leukemia</td>
<td>Helen D. Bailey, Bruce K. Armstrong, Nicholas H. de Klerk, Lin Fritschi, John Attia, Liane Lockwood, and Elizabeth Milne; for the Aus-ALL Consortium</td>
</tr>
<tr>
<td>2910</td>
<td>Reduced Risk of Prostate Cancer in U.S. Men with AIDS</td>
<td>Meredith S. Shiels, James J. Goedert, Richard D. Moore, Elizabeth A. Platz, and Eric A. Engels</td>
</tr>
<tr>
<td></td>
<td>Meta-analysis of Human Papillomavirus Infection Concordance</td>
<td>Paul L. Reiter, William F. Pendergraft III, and Noel T. Brewer</td>
</tr>
<tr>
<td></td>
<td>Associations of Cumulative Sun Exposure and Phenotypic Characteristics with Histologic Solar Elastosis</td>
<td>Nancy E. Thomas, Anne Kricker, Lynn From, Klaus Busam, Robert C. Millikan, Mary E. Ritchey, Bruce K. Armstrong, Julia Lee-Taylor, Loraine D. Marrett, Hoda Anton-Culver, Roberto Zanetti, Stefano Rosso, Richard P. Gallagher, Terence Dwyer, Chris Goumas, Peter A. Kanetsky, Colin B. Begg, Irene Orlow, Homer Wilcox, Susan Paine, Marianne Berwick; and The Genes, Environment, and Melanoma Study Group</td>
</tr>
<tr>
<td></td>
<td>Photosensitizing Medication Use and Risk of Skin Cancer</td>
<td>Jeanette Kaae, Heather A. Boyd, Anne V. Hansen, Hans Christian Wulf, Jan Wohlfahrt, and Mads Melbye</td>
</tr>
<tr>
<td></td>
<td>Association of Albuminuria and Cancer Mortality</td>
<td>Yu-Sheng Lin, Fu-Chun Chiu, Jou-Wei Lin, Juey-Jen Hwang, and James L. Caffrey</td>
</tr>
<tr>
<td></td>
<td>Urine Concentrations of a Tobacco-Specific Nitrosamine Carcinogen in the U.S. Population from Secondhand Smoke Exposure</td>
<td>John T. Bernert, James L. Pirkle, Yang Xia, Ram B. Jain, David L. Ashley, and Eric J. Sampson</td>
</tr>
<tr>
<td></td>
<td>Body Size, Weight Change, and Risk of Colon Cancer</td>
<td>Julie K. Bassett, Gianluca Severi, Dallas R. English, Laura Baglietto, Kavitha Krishnan, John L. Hopper, and Graham G. Giles</td>
</tr>
</tbody>
</table>
NULL RESULTS IN BRIEF

2987 | No Effect of Exercise on Insulin-Like Growth Factor-I, Insulin, and Glucose in Young Women Participating in a 16-Week Randomized Controlled Trial
Andrea Y. Arikawa, Mindy S. Kurzer, William Thomas, and Kathryn H. Schmitz

CORRECTION

2991 | Occupational Exposure to Formaldehyde, Hematotoxicity and Leukemia-Specific Chromosome Changes in Cultured Myeloid Progenitor Cells – Letter