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Research Areas

Health Sciences, Engineering and Technology

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Optimal breast cancer risk reduction policies tailored to personal risk level**
Ergun M. A., Hajjar A., Alagoz O., Rampurwala M.
HEALTH CARE MANAGEMENT SCIENCE, vol.25, no.3, pp.363-388, 2022 (SSCI)
- II. **Impact of the COVID-19 Pandemic on Breast Cancer Mortality in the US: Estimates From Collaborative Simulation Modeling**
Alagoz O., Lowry K. P., Kurian A. W., Mandelblatt J. S., Ergün M. A., Huang H., Lee S. J., Schechter C. B., Tosteson A. N. A., Miglioretti D. L., et al.
Journal of the National Cancer Institute, vol.113, no.11, pp.1484-1494, 2021 (SCI-Expanded)
- III. **Impact of disruptions in breast cancer control due to the COVID-19 pandemic on breast cancer mortality in the United States: Estimates from collaborative simulation modeling.**
Alagoz O., Lowry K. P., Kurian A. W., Mandelblatt J. S., Ergun M. A., Huang H., Lee S. J., Schechter C., Tosteson A. N. A., Miglioretti D. L., et al.
JOURNAL OF CLINICAL ONCOLOGY, vol.39, no.15, 2021 (SCI-Expanded)
- IV. **Benefits and Harms of Mammography Screening for Women With Down Syndrome: a Collaborative Modeling Study**
Alagoz O., Hajjar A., Chootipongchaivat S., van Ravesteyn N. T., Yeh J. M., Ergün M. A., de Koning H. J., Chicoine B., Martin B.
Journal of General Internal Medicine, vol.34, no.11, pp.2374-2381, 2019 (SCI-Expanded)
- V. **Cost-effectiveness of adjuvant paclitaxel and trastuzumab for early-stage node-negative, HER2-positive breast cancer**
Hajjar A., Ergün M. A., Alagoz O., Rampurwala M.
PLOS ONE, vol.14, no.6, 2019 (SCI-Expanded)
- VI. **The University of Wisconsin Breast Cancer Epidemiology Simulation Model: An Update**
Alagoz O., Ergün M. A., Cevik M., Sprague B. L., Fryback D. G., Gangnon R. E., Hampton J. M., Stout N. K., Trentham-Dietz A.
Medical Decision Making, vol.38, no.1_suppl, 2018 (SCI-Expanded)
- VII. **Comparing CISNET Breast Cancer Incidence and Mortality Predictions to Observed Clinical Trial Results of Mammography Screening from Ages 40 to 49**

van den Broek J. J., van Ravesteyn N. T., Mandelblatt J. S., Huang H., Ergün M. A., Burnside E. S., Xu C., Li Y., Alagoz O., Lee S. J., et al.

Medical Decision Making, vol.38, no.1_suppl, 2018 (SCI-Expanded)

VIII. Comparative effectiveness of incorporating a hypothetical DCIS prognostic marker into breast cancer screening

Trentham-Dietz A., Ergün M. A., Alagoz O., Stout N. K., Gangnon R. E., Hampton J. M., Dittus K., James T. A., Vacek P. M., Herschorn S. D., et al.

Breast Cancer Research and Treatment, vol.168, no.1, pp.229-239, 2018 (SCI-Expanded)

IX. Effect of time to diagnostic testing for breast, cervical, and colorectal cancer screening abnormalities on screening efficacy: A modeling study

Rutter C. M., Kim J. J., Meester R. G., Sprague B. L., Burger E. A., Zaubler A. G., Ergün M. A., Campos N. G., Doubeni C. A., Trentham-Dietz A., et al.

Cancer Epidemiology Biomarkers and Prevention, vol.27, no.2, pp.158-164, 2018 (SCI-Expanded)

X. Association of screening and treatment with breast cancer mortality by molecular subtype in US women, 2000-2012

Plevritis S. K., Munoz D., Kurian A. W., Stout N. K., Alagoz O., Near A. M., Lee S. J., Van Den Broek J. J., Huang X., Schechter C. B., et al.

JAMA - Journal of the American Medical Association, vol.319, no.2, pp.154-164, 2018 (SCI-Expanded)

XI. Tailoring breast cancer screening intervals by breast density and risk for women aged 50 years or older: Collaborative modeling of screening outcomes

Trentham-Dietz A., Kerlikowske K., Stout N. K., Miglioretti D. L., Schechter C. B., Ergün M. A., Van Den Broek J. J., Alagoz O., Sprague B. L., Van Ravesteyn N. T., et al.

Annals of Internal Medicine, vol.165, no.10, pp.700-712, 2016 (SCI-Expanded)

XII. Using Active Learning for Speeding up Calibration in Simulation Models

Cevik M., Ergün M. A., Stout N. K., Trentham-Dietz A., Craven M., Alagoz O.

Medical Decision Making, vol.36, no.5, pp.581-593, 2016 (SCI-Expanded)

XIII. Collaborative modeling of the benefits and harms associated with different U.S. Breast cancer screening strategies

Mandelblatt J. S., Stout N. K., Schechter C. B., Van Den Broek J. J., Miglioretti D. L., Krapcho M., Trentham-Dietz A., Munoz D., Lee S. J., Berry D. A., et al.

Annals of Internal Medicine, vol.164, no.4, pp.215-225, 2016 (SCI-Expanded)

XIV. Effects of screening and systemic adjuvant therapy on ER-Specific US breast cancer mortality

Munoz D., Near A. M., Van Ravesteyn N. T., Lee S. J., Schechter C. B., Alagoz O., Berry D. A., Burnside E. S., Chang Y., Chisholm G., et al.

Journal of the National Cancer Institute, vol.106, no.11, 2014 (SCI-Expanded)

Articles Published in Other Journals

I. Using Collaborative Simulation Modeling to Develop a Web-Based Tool to Support Policy-Level Decision Making About Breast Cancer Screening Initiation Age

Burnside E. S., Lee S. J., Near A. M., Alagoz O., Huang H., van den Broek J. J., Kim J. Y., ERGÜN M. A., van Ravesteyn N. T., Stout N. K., et al.

MDM Policy Practice, vol.2, no.2, 2017 (Scopus)

Metrics

Publication: 15

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