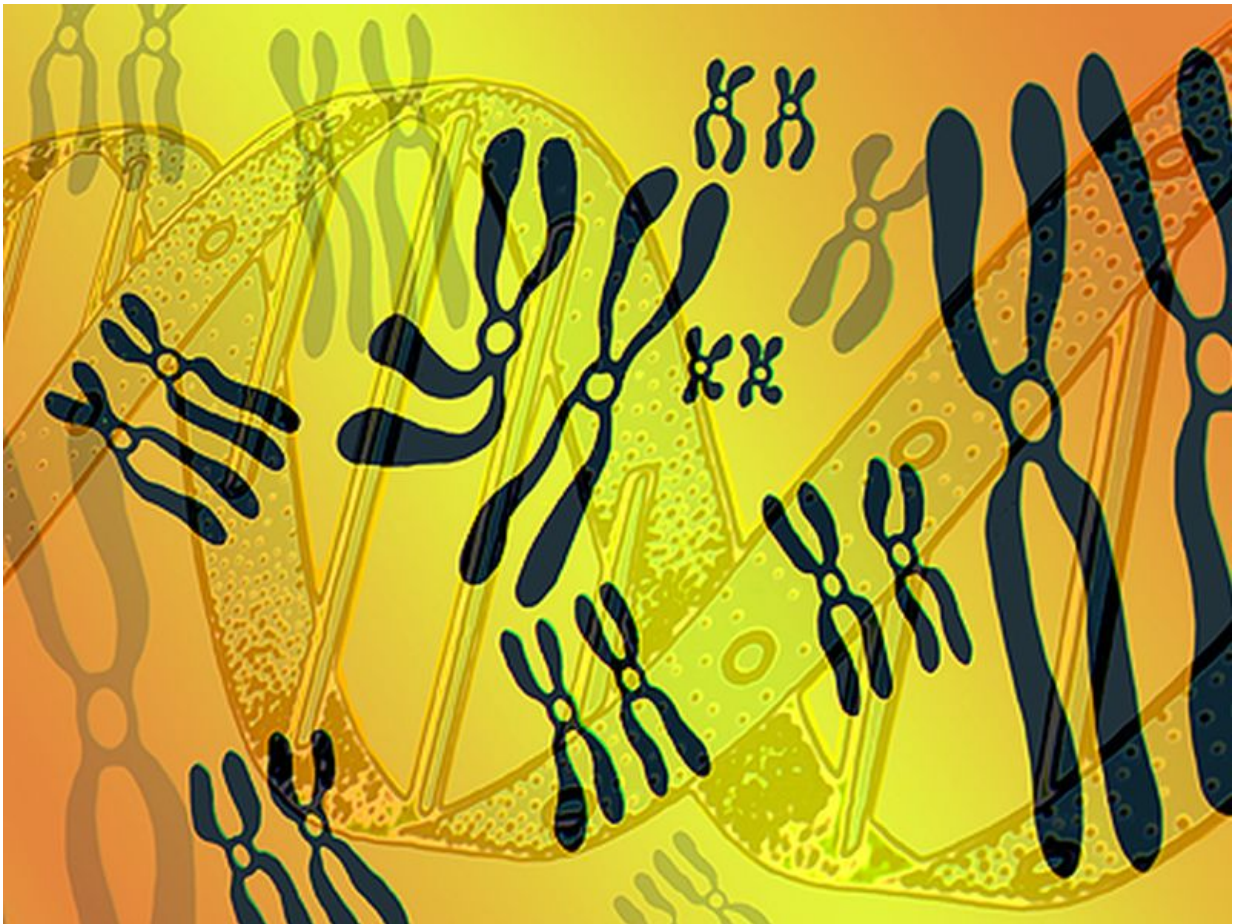


Early first cancer in BRCA1/2 ups risk in opposite breast

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(HealthDay)—*BRCA1/2* mutation carriers have increased risk of

contralateral breast cancer (CBC), with age at first diagnosis a significant predictor of CBC risk, according to a study published online Dec. 23 in the *Journal of Clinical Oncology*.

Alexandra J. van den Broek, from the Netherlands Cancer Institute in Amsterdam, and colleagues examined overall and age-specific estimates of CBC risk for young patients with breast cancer with or without *BRCA1/2* mutations. Data were included for 6,294 patients with [invasive breast cancer](#) diagnosed under 50 years of age and treated between 1970 and 2003; participants were tested for the most prevalent *BRCA1/2* mutations.

The researchers identified 578 CBCs in the study population after a median follow-up of 12.5 years. Compared with noncarriers, *BRCA1* and *BRCA2* mutation carriers had significantly increased CBC risk (hazard ratios, 3.31 and 2.17, respectively). The 10-year cumulative CBC risks were 21.1, 10.8, and 5.1 percent, respectively, for *BRCA1* carriers, *BRCA2* carriers, and noncarriers, respectively. In *BRCA1/2* carriers only, age at diagnosis of first [breast cancer](#) was a significant predictor of CBC risk; the 10-year cumulative CBC risk was 23.9 percent in those diagnosed before age 41 years, compared with 12.6 percent for those aged 41 to 49 years ($P = 0.02$).

"Considering the available evidence, [age](#)-specific risk estimates should be included in counseling," the authors write.

One author disclosed financial ties to Agendia NV.

More information: [Abstract](#)
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