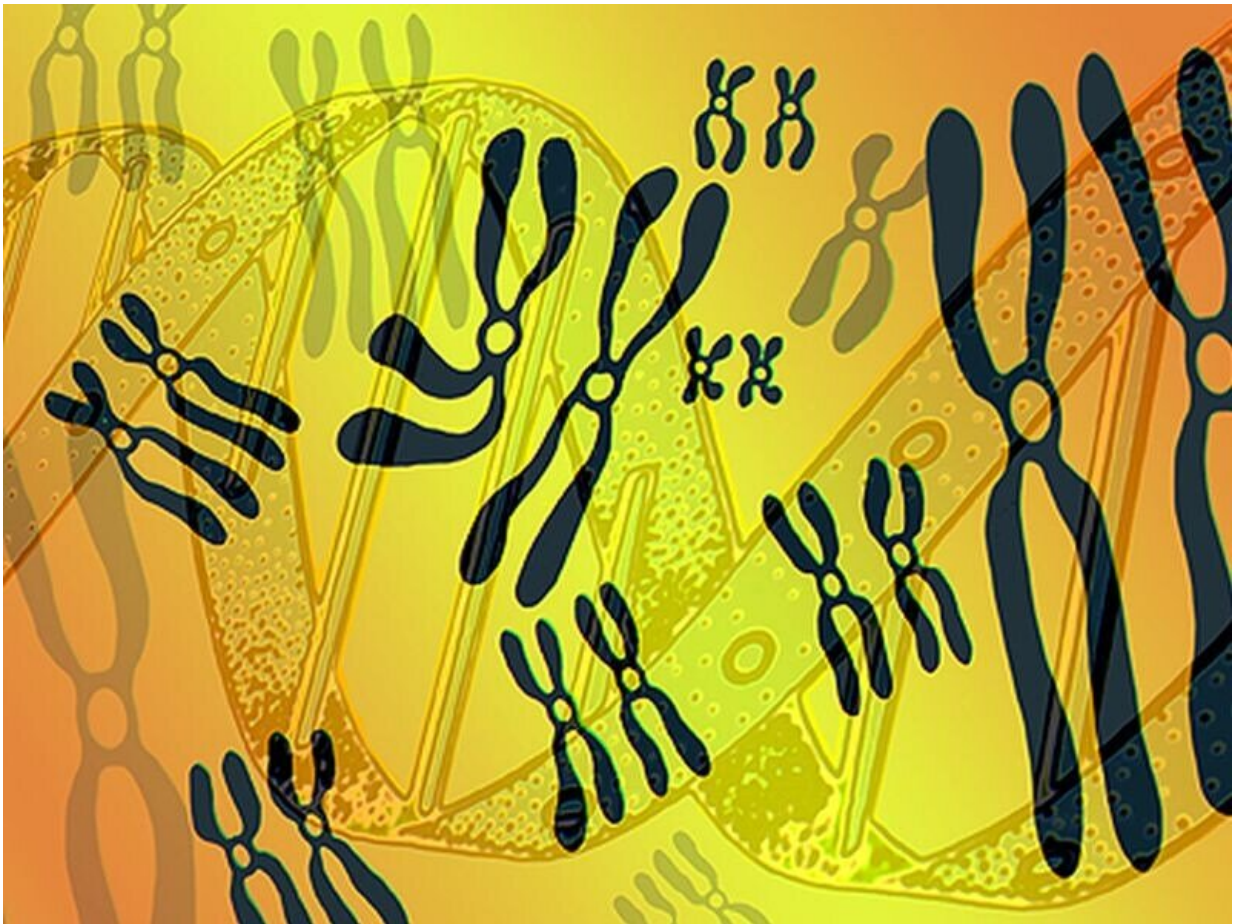


# Bariatric surgery in obese patients may lower cancer risk

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(HealthDay)—For patients with obesity, undergoing bariatric surgery is

associated with a significantly reduced risk for cancer overall and a lower rate of breast malignancy among those with a genetic predisposition to breast cancer, according to a study presented at the annual meeting of the American Society for Metabolic and Bariatric Surgery and The Obesity Society (ObesityWeek), held from Nov. 3 to 7 in Las Vegas.

Camila Ortiz Gomez, M.D., from the Cleveland Clinic Florida in Weston, and colleagues examined the impact of [bariatric surgery](#) in [cancer prevention](#) in patients with obesity using data from 1,670,035 patients from the National Inpatient Sample for 2010 to 2014. Of these patients, 246,668 cases underwent bariatric surgery and 1,423,367 controls had a body mass index (BMI) of  $\geq 35$  kg/m<sup>2</sup> and did not undergo bariatric surgery.

The researchers found that the likelihood of experiencing cancer was increased for patients with BMI  $\geq 35$  kg/m<sup>2</sup> who did not undergo bariatric surgery compared with cases who did undergo bariatric surgery (adjusted odds ratio, 1.21; unadjusted odds ratio, 1.35; P genetic predisposition to breast cancer, controls had an increased rate of breast malignancy compared with cases (18.0 versus 7.4 percent; P = 0.0991).

"The effect we saw on patients genetically predisposed to developing [breast cancer](#) was remarkable and we believe this is the first time a study has shown such an impact," a coauthor said in a statement.

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