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Inverse link for coffee intake, cholecystectomy risk

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(HealthDay)—For premenopausal women and those using hormone replacement therapy (HRT), there is an inverse association between coffee consumption and risk of cholecystectomy, according to a study published in the June issue of *Clinical Gastroenterology and Hepatology*.

Caroline Nordenvall, M.D., Ph.D., from the Karolinska Institutet in Stockholm, and colleagues examined the correlation between coffee consumption and cholecystectomy risk using data from 30,989 women and 40,936 men from the Swedish Mammography Cohort and the Cohort of Swedish men. Participants were followed for cholecystectomy procedures from 1998 through 2011.

The researchers identified 1,057 women and 962 men who had

undergone a cholecystectomy during 905,933 person-years of follow-up. The hazard ratio for cholecystectomy was 0.58 for women who drank six or more versus fewer than two cups of coffee/day, after adjustment for confounders (95 percent confidence interval, 0.44 to 0.78). No correlation was seen for men (hazard ratio, 0.96; 95 percent confidence interval, 0.75 to 1.24). Evidence was identified for effect modification by menopausal status and use of HRT ($P_{interaction} = 0.026$). In women who were premenopausal or used HRT, there was an inverse association (hazard ratios, 0.17 and 0.44, respectively).

"We observed an inverse association between coffee consumption and risk of cholecystectomy in women who were premenopausal or used HRT but not in other women or in men," the authors write.

More information: Abstract
Full Text (subscription or payment may be required)