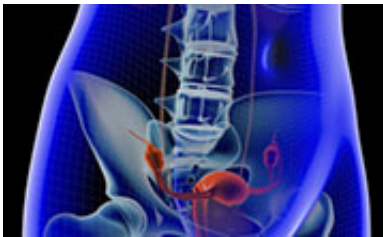


Eudaimonic well-being tied to ovarian tumor neuroeffector

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(HealthDay)—Eudaimonic well-being is associated with lower tumor norepinephrine (NE) in women with epithelial ovarian cancer, according to a study published in the Oct. 1 issue of *Cancer*.

Lauren Z. Davis, from the University of Iowa in Iowa City, and colleagues assessed how two different aspects of well-being (eudaimonic and positive affect) and [psychological distress](#) were associated with [tumor](#) NE in 365 patients with [ovarian cancer](#). High-performance liquid chromatography with electrochemical detection was used to measure tumor NE in frozen tissue samples.

The researchers found that eudaimonic well-being, positive affect, and psychological distress modeled as distinct, but correlated constructs. A good model fit was found for structural equation modeling analysis that included physical well-being, stage of disease, histology, psychological

treatment history, beta-blocker use, and caffeine use as covariates. This model demonstrated that eudaimonic well-being was related to lower tumor NE ($P = 0.045$), while no effects were found for positive affect or psychological distress.

"Because adrenergic signaling is implicated in tumor progression, increasing eudaimonic well-being may improve both psychological and physiologic resilience in patients with ovarian cancer," the authors write.

Two authors disclosed financial ties to the medical device industry.

More information: [Abstract](#)
[Full Text \(subscription or payment may be required\)](#)

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