

Ovarian transplants may preserve fertility in young cancer survivors

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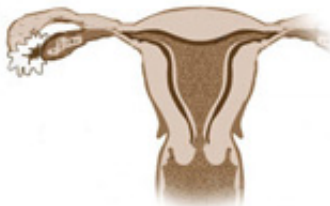


Illustration courtesy: U.S. National Cancer Institute

Grafts from frozen tissue restored hormone production for up to 7 years in small study.

(HealthDay) -- Ovarian grafts -- frozen ovarian tissue that is thawed and transplanted back into a woman's body -- can help cancer survivors preserve their fertility, according to a small, new study.

Researchers from the University of Kansas Medical Center found that the grafts can produce hormones for more than seven years, a much longer lifespan than expected.

The study, led by Dr. Samuel Kim, associate professor in the reproductive endocrinology division of the department of [obstetrics and gynecology](#), examined five cancer survivors who had rapidly thawed ovarian tissue transplanted back into their abdomens, a procedure known as heterotopic ovarian transplantation.

The levels and function of the [reproductive hormones](#) in the women were measured by monthly blood tests and ultrasounds.

The researchers found that four of the women needed a second transplantation within two years. Following the second transplant, however, ovarian function was restored faster and lasted longer -- from nine months up to seven years.

"Re-establishment of long-term endocrine function after ovarian transplantation will benefit young cancer survivors with premature ovarian failure," Kim concluded.

The study was recently published online in the *Journal of [Assisted Reproduction](#) and Genetics*.

More information:

The U.S. National Institutes of Health has more about [ovarian cancer](#).

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