

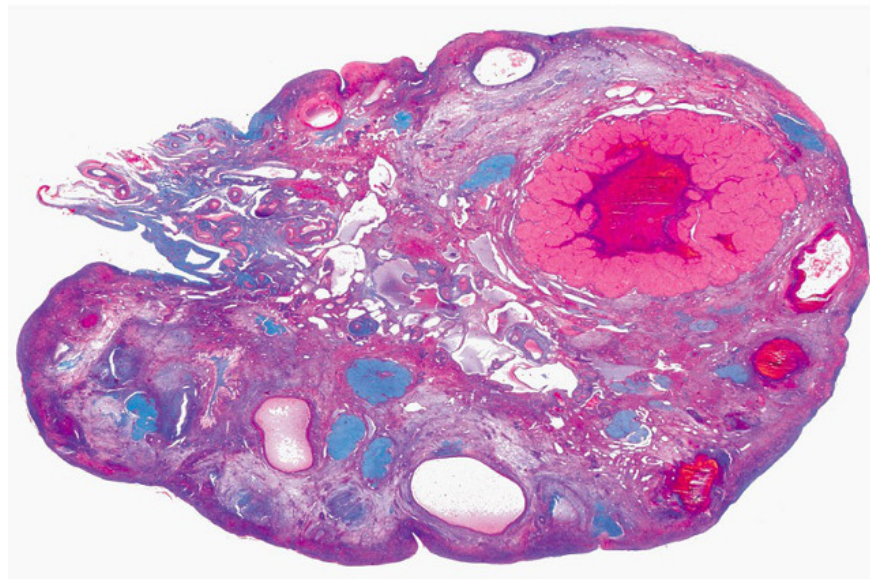
Artificial ovaries can treat menopausal symptoms better

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Women who experience menopause lose the ability to produce hormones such as estrogen and progesterone and as a result face these symptoms.

While hormone replacement drugs help produce these important hormones, they are not recommended for long-term use because they can increase the risk of heart disease and breast cancer.



New findings suggest that ovarian transplantation in the laboratory may be a better alternative for menopausal women than receiving regular synthetic hormones.

Emmanuel C. Opara, a professor at Wake Forest Baptist Medical Center in North Carolina, said: "Treatment is designed to safely release hormones naturally based on the body's needs, not the patients take a specific dose

every day '.

"Safe hormone replacement could become increasingly important as the population of older women is increasing," Opara said.

To study the biological ovaries, according to a report by Nature Communications, the team isolated two types of cells, theca and granulosa - located in the ovaries derived from mice.

A thin film was used as a capsule to contain these cells and then transplanted into the ovaries that were removed from the ovaries.

New treatments can create stimuli to produce estrogen and progesterone naturally and get better bone and uterine health as well as prevent menopausal symptoms like bone loss, weight gain and problems. sleep problems

Opara said: " *This study highlights the potential benefits of cell-based hormone therapy to treat diseases related to ovarian dysfunction.*"

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