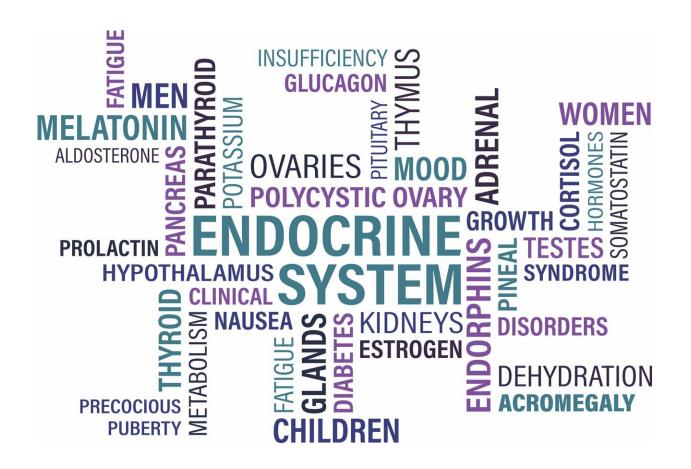


Thyroid conditions may affect ovaries' egg reserves

December 8 2021



Credit: CC0 Public Domain

Thyroid hormones are important for ovarian health and fertility, but the effects of low thyroid hormone levels (hypothyroidism) and thyroid autoimmune diseases on the functioning of a woman's ovaries are not



fully understood. In an analysis published in *Reproductive Medicine and Biology*, investigators examined results on this topic that have been published to date.

The researchers found nine relevant studies, and the studies' findings indicated that hypothyroidism and thyroid autoimmunity can negatively impact a woman's ovarian reserve, or the total number of healthy immature eggs in the ovaries.

"Our age-stratified analysis demonstrated that thyroid autoimmunity and hypothyroidism possibly have different impacts on the ovarian reserve. It provides an important clue in determining how these conditions affect the development of ovarian follicles," said senior author Akira Iwase, MD, Ph.D., of the Gunma University Graduate School of Medicine, in Japan.

More information: Yuko Hasegawa et al, Effect of hypothyroidism and thyroid autoimmunity on the ovarian reserve: A systematic review and meta-analysis, *Reproductive Medicine and Biology* (2021). DOI: 10.1002/rmb2.12427

Provided by Wiley

Citation: Thyroid conditions may affect ovaries' egg reserves (2021, December 8) retrieved 23 June 2024 from

https://medicalxpress.com/news/2021-12-thyroid-conditions-affect-ovaries-egg.html

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.