



KEY WORDS

- ✓ Premature Ovarian Insufficiency
- ✓ Ubiquinol
- ✓ VCD
- ✓ Apoptosis
- ✓ PGC-1 α
- ✓ Ovarian Reserve

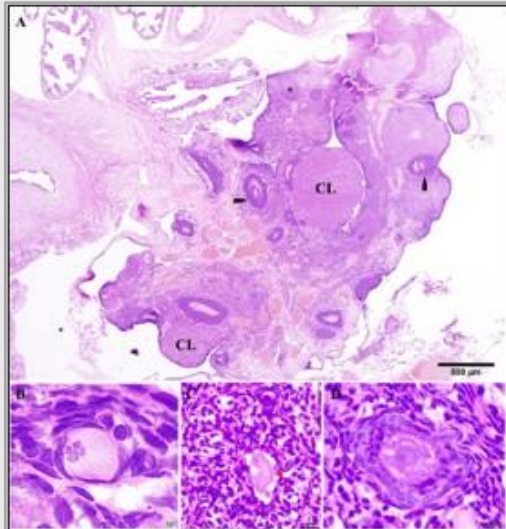
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INVESTIGATION OF THE PROTECTIVE EFFECT OF COQ10 ON OVARIAN RESERVE IN A PREMATURE OVARIAN FAILURE MODEL

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THESIS ABSTRACT

This study aimed to investigate the protective effects of ubiquinol on ovarian tissue in experimental premature ovarian insufficiency. For this purpose, the effects of ubiquinol administration on follicular structure, serum hormone levels, and proteins associated with apoptosis and mitochondrial function were evaluated using histological, biochemical, and molecular methods in rats with VCD-induced premature ovarian insufficiency.

APPLICATION AREAS OF THE THESIS RESULTS

This study has been a pioneering investigation into the protective effects of ubiquinol on ovarian reserve in the treatment of premature ovarian insufficiency.

ACADEMIC ACTIVITIES

1. Minbay, F.Z., Yurdağul, B., Arıcan, B., & Oy, C. *Investigation of the Protective Effect of CoQ10 on Ovarian Reserve in a Premature Ovarian Insufficiency Model* (TYL-2025-2326). Higher Education Institutions-Supported Project, 2025.