**PROJECT RESUME**

**TITLE**: Comparison of Fixation Techniques for Immunohistochemistry and Basic staining of Human Post-Menopausal Ovarian Tissue

This proposed research project aims to enhance histological investigations within the anatomy department at the University of Glasgow by addressing previous limitations in tissue fixation. Utilizing a solution of formalin with 5% acetic acid, as demonstrated by Adeniran et al. (2021), we aim to improve the preservation of ovarian tissue from fresh-frozen cadavers, particularly from postmenopausal women. This approach has shown superior results compared to traditional fixatives such as NBF and Bouin’s, allowing for more accurate histological analysis. The project will enable detailed studies of ovarian histology, including changes in the stroma, and pave the way for future research into ovarian biology. Additionally, the improved fixation techniques will be applicable to other tissues prone to shrinkage, expanding the scope of histological studies.

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