

SUMMARY OF NEW CONCLUSIONS FROM THE DOCTORAL DISSERTATION

Dissertation Title: “Current Status of Female Sexual Dysfunction and Outcomes of Autologous Adipose-Derived Mesenchymal Stem Cell Infusion among Women Aged 40–50 Years”.

Code: 9720701; Specialty: Public Health

PhD Candidate: Nguyen Hoang Phuong Cohort: 42

Supervisors: 1. Assoc. Prof. Dr. Do Thi Thanh Toan 2. Prof. Dr. Nguyen Thanh Liem
(The two supervisors had equal roles as scientific supervisors)

Training Institution: Institute of Preventive Medicine and Public Health Training, Hanoi Medical University.

New Conclusions of the Dissertation:

- The dissertation provides the first systematic epidemiological evidence on female sexual dysfunction (FSD) among Vietnamese women aged 40–50 years and identifies independent associated factors after adjustment for potential confounders. These findings support the development of screening, prevention, and intervention strategies to improve sexual health and quality of life in middle-aged women.
- This is the first phase II clinical trial in Vietnam to evaluate autologous adipose-derived mesenchymal stem cell infusion for the treatment of FSD. Preliminary results indicate that the therapy is safe, well tolerated, and shows potential to improve sexual function, menopausal symptoms, mental health, and quality of life over 12 months of follow-up.
- The findings support the potential of this therapy as a personalized treatment option, particularly for women who are ineligible for or have contraindications to hormone therapy, including those with a history of cancer.
- The dissertation establishes a feasible and scalable intervention protocol encompassing cell preparation, infusion procedures, safety monitoring, and standardized outcome assessment. This protocol provides an important foundation for future clinical and translational research in women’s health and the development of cell-based therapies for female sexual dysfunction.