

HIGHLIGHT RESULTS OF PHILOSOPHY DOCTOR THESIS

Thesis title: **Study on the treatment outcomes of benign prostatic hyperplasia by bipolar transurethral enucleation of the prostate**

Specialty: Surgery

Code: 9720104

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Supervisors: 1. Assoc. Prof. PhD. Pham Van Duyet

2. PhD. Do Ngoc The

Institution: Hai Phong University of Medicine and Pharmacy

For the first time, this study provides a comprehensive system of scientific evidence regarding the safety and efficacy of B-TUEP in Vietnamese patients. The research has demonstrated the superior bleeding control capability of the bipolar electrode, which completely eliminates the risk of transurethral resection (TUR) syndrome, allowing safe surgery even for large-sized prostates (>80 grams). Through multivariate analysis, the study elucidates the relationship between clinical factors, anatomical characteristics (prostate volume and morphology) and complications as well as recovery outcomes.

The success of the thesis affirms that B-TUEP is an optimal alternative to traditional open surgery or monopolar resection techniques. Utilizing the existing equipment available in most medical facilities helps minimize the economic burden for both the hospitals and the patients, compared to investing in expensive Laser systems. The short hospital stay, low complication rate, and rapid efficacy in recovering urinary function demonstrate the immense practical value of B-TUEP. These results create a solid foundation for standardizing the technical protocol and widely applying this method in hospitals nationwide, especially in the context of limited healthcare resources.

1st name of Supervisor	2nd name of Supervisor	PhD student
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Pham Van Duyet	Do Ngoc The	Pham Thanh Hai
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