**THE NEW CONTRIBUTION OF THE THESIS**

Thesis’s name: **"STUDY ON THE SITE WOUND INFECTION OF THE GASTROINTESTINAL SURGERY AT SURGEON DEPARTMENT IN BACH MAI HOSPITAL "**

Major: Surgical gastroenterology No.: 62 72 01 25

Full name of PhD student: **Phạm Văn Tân**

The scientific supervisor:

1. Prof.Dr. Nguyen Ngoc Bich

2. Prof.Dr. Vu Huy Nung

Training facility: Vietnam Military Medical university.

1. This thesis described the percentage and some characteristics of bacteria in the gastrointestinal SWI in Bach Mai hospital, which is one of the biggest hospitals in Viet Nam. The percentage of SWI was 3.6%; the isolation rate was 64.4%: Most of bacteria were Gram negative including mainly *E.coli*. The antibiogram showed the high percentage of antibiotic resistance such as *E.coli* resisted with Ampicillin, Cephalisporin and Quinolone; *Pseudomonas aeruginosa* resisted to almost all antibiotics including Carbapenem group; *Klebsiella pneumoniae* resisted to most antibiotics excepted for Carbapenem group.
2. The thesis identified some main risk factors of the gastrointestinal SWI: a history of the gastrointestinal surgery; more than 2 organs surgery; infectious surgery; unhygienic surgery; the surgical time more than 120 minutes; the small intestine surgery; appendiceal surgery and appendiceal complication surgery; liver, bile and pancreatic surgery.

3. The thesis showed the treatment experience and result of the gastrointestinal SWI: Antibiotics, which were used extensively for gastrointestinal surgery of the patient in this research, were Cephalosporin and Metronidazole with the most combination therapy of two antibiotics.

**The scientific supervisor 1 The scientific supervisor 2 The PhD student**

**Prof.Dr. Nguyen Ngoc Bich Prof.Dr. Vu Huy Nung Pham Van Tan**