

NEW MAIN SCIENTIFIC CONTRIBUTIONS OF THE THESIS

Thesis title: **“The relation between vitamin D deficiency and insufficiency and vitamin D supplement efficacy for acute respiratory infections in children under 5 years old in the community”.**

Specialty: Pediatrics

Code: 97 20 106

Full name of PhD candidat: Nguyen Thi Ngoc Yen

Full name of mentor:

1. Assoc. PhD. Vu Thi Thuy

2. Assoc. PhD. Dinh Van Thuc

Training Setting: Haiphong University of Medicine and Pharmacy

Abstract of new main scientific contributions of the thesis:


1. This was a study applied for the first time the standard dose of vitamin D supplement (daily 400-600 IU) for children less than 5 years old in the community to improve their immune status. Thus reducing the morbidity of acute respiratory infections. Results showed that the morbidity in the intervention group decreased 22.7% more than that of the control group.

2. The study design was applied for the first time “Controlled randomized intervention, before and after comparison in the community”. In the study, the difference was that all subjects in the baseline study were chosen for the intervention instead of subjects with insufficient/deficient vitamin D. When finishing the study, we randomly selected subjects in both groups for final evaluation.

3. Studied subjects were children under 5 and the intervention time was long enough (1 year). This was quite different from previous studies in which children in 1-2 age group were selected and the intervention time was usually 3-6 months. During the intervention time, at the month 6 and at the terminal time, vitamin D level were checked by modern method.

Name of Mentor


(Name and signature)


Vu Thi Thuy


Assoc. PhD. Dinh Van Thuc

Name of PhD candidate

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Nguyen Thi Ngoc Yen