



### THESIS TOPICLIST

Advanced Practice Nurse  
Academic year 2023/2024

Supervisor:	<b>Prof. Dr. József Betlehem</b>
Workplace:	UP FHS, Department of Health Pedagogy and Basic Emergency Skills
Title (1)	<b>Knowledge of modern care tools among nurses</b>
Introduction:	Recently, more and more care support tools have appeared, both in healthcare institutions and in patients' homes. The professional application of these tools in practice is not always effective, which is partly due to the lack of theoretical knowledge and partly of practical experience. The purpose of the study is to assess the habits of nurses using modern nursing devices in departments with different profiles.
Applicable data collecting methods:	Questionnaires
Necessary and applicable statistical analysis:	Descriptives and mathematical statistics
Number of theses:	2
Major/specialization:	Advanced practice nurse

Supervisor:	<b>Éva Horváth</b>
Workplace	UP FHS Department of Nursing Sciences
Title: (2)	<b>Choosing Nursing as a career: motivational study among young people choosing a career.</b>
Introduction:	The nursing profession and career are currently not among the popular career choice areas in Hungary. Thus, in Hungary, due to several factors, there is a significant human resource deficit in the field of nursing. In contrast, interest in the nursing profession is significantly higher in several other countries. The aim of the research is to assess the external-internal motivational factors that influence pre-career choices to choose nursing profession.
Applicable data collecting methods:	Questionnaire
Necessary and applicable statistical analysis:	Descriptive statistics, mathematical statistics (chi-square test, t-test, ANOVA, linear regression)
Number of theses:	2
Major/specialization:	Advanced practice nurse



Supervisor:	<b>Éva Horváth</b>
Workplace	UP FHS Department of Nursing Sciences
Title: (3)	<b>Medication difficulties and errors from a nursing perspective.</b>
Introduction:	Unsafe drug use is one of the most common errors within the health care system that could be avoided. Errors occur most often during drug administration. Nurses have a significant role in preventing and avoiding these errors. After all, they are the last persons in the process who can correct and protect against accidental errors.
Applicable data collecting methods:	Questionnaire, interview
Necessary and applicable statistical analysis:	Descriptive statistics, mathematical statistics (chi-square test, t-test, ANOVA, linear regression)
Number of theses:	2
Major/specialization:	Advanced practice nurse

Supervisor:	<b>Dr. Annamária Karamánné Pakai</b>
Workplace:	UP FHS Department of Health- visiting
Title: (4)	<b>Investigating access to healthcare for foreign students</b>
Introduction:	We have little information on the health status of foreign students studying at the Faculty of Health Sciences of the University of Tartu who do not speak Hungarian. The aim is to assess the habits, barriers, language difficulties and satisfaction with care of foreign bsc students.
Applicable data collecting methods:	Questionnaire
Number of theses:	2
Major/specialization:	Advanced practice nurse

Supervisor:	<b>Dr. Zsolt Káposztás</b>
Workplace	UP FHS Department of Nursing Sciences
Title: (5)	<b>The effect of exercise on the quality of life and survival amongst patients with gastrointestinal cancer</b>



Introduction:	<p>The incidence of gastrointestinal cancer is rising worldwide. Most of the patients suffers from depression and these patients tend not to perform physical exercise, although there are a few studies to support the positive impact of exercise on survival and also it is thought to reduce the recurrence rate and improve the quality of life.</p> <p>The aim of this study is to analyse the impact of exercise amongst patients who had operation for GI malignancy from the recurrence and quality of life point of view.</p>
Applicable data collecting methods:	Questionnaire, data collection
Necessary and applicable statistical analysis:	Descriptive statistics, mathematical statistics (chi-square test, t-test, ANOVA)
Number of theses:	2
Major/specialization:	Advanced practice nurse

Supervisor:	<b>Dr. Zsolt Káposztás</b>
Workplace	UP FHS Department of Nursing Sciences
Title: (6)	<b>The effect of nutritional status and its impact on patients who undergo radical resection for gastrointestinal cancer</b>
Introduction:	<p>Malnutrition is prevalent in patients undergoing gastrointestinal (GI) surgery for cancer and has a negative impact on the postoperative outcomes. It is relatively simple to analyse the preoperative nutritional status of patients with basic measurements and laboratory parameters. It is recommended to improve preop nutritional status with the help of a dietitian to encourage exercise and introduce the intake of nutritional supplements as part of prehabilitation in the preoperative period. The aim of this study to assess the preop nutritional status of patients and to analyse its effect on the postoperative outcomes.</p>
Applicable data collecting methods:	Questionnaire, data collection
Necessary and applicable statistical analysis:	Descriptive statistics, mathematical statistics (chi-square test, t-test, ANOVA, linear regression, linear regression, multivariate logistic regression analysis)
Number of theses:	2
Major/specialization:	Advanced practice nurse



Supervisor:	<b>Dr. Dorina Pusztai</b>
Workplace	PTE ETK SEÁI, Department of Nursing Sciences
Title: (7)	<b>Nurses' role in pharmaceutical care</b>
Introduction:	Nurses have significant responsibilities in pharmaceutical care. However, nurses' roles are not always explicit, distinct and clear to other professionals, which can complicate multidisciplinary working. Medication management requires a multidisciplinary approach and interprofessional communication is essential to reduce medication errors. Therefore, nurses' roles cannot be over-emphasized. Nurses' role in pharmaceutical care differs worldwide (legally and in practice). The aim of the study is to examine the nurses' role in everyday's medication administration in Hungary and abroad.
Applicable data collecting methods:	Questionnaire
Necessary and applicable statistical analysis:	Descriptive statistics, mathematical statistics (chi-square test, t-test, ANOVA, linear regression)
Number of theses:	2
Major/specialization:	Advanced practice nurse

Supervisor:	<b>Krisztina Mondovits</b>
Workplace	UP FHS Department of Nursing Sciences
Title: (8)	<b>Examination of the risk factors of a post-infarction patient related to laboratory value</b>
Introduction:	Cardiovascular disease are still among the leading causes of death. By examining the laboratory parameters of patients who have suffered a heart attack, it can be verified that the majoritz of patients still do not follow the therapeutic instructions.
Applicable data collecting methods:	Application of assessment scale, data analysis, document analysis
Necessary and applicable statistical analysis:	Descriptive statistics, mathematical statistics (Chi-square test, t-test, linear regression)
Number of theses:	2
Major/specialization:	Advanced practice nurse



Supervisor:	<b>Dr. Dorina Pusztai</b>
Workplace	UP FHS Department of Nursing Sciences
Title: (9)	Examination of health behaviour and mental health of college students/lecturers
Introduction:	Sleep, which is directly associated to health and quality of life, is a basic need for a human being to continue his or her bio-psycho-social and cultural functions. Sleep affects the quality of life and health is also perceived as an important variable. Sleep quality has significant effects on cognitive performance and physical power and is influenced by multiple factors including stress. Contrary to the ideal, students suffer from sleep deprivation and stress at times when they should achieve the greatest amount of learning. However, poor sleep quality may have negative impact test performance as well thus creating a vicious circle. The aim of the research is to analyze the sleep quality and habit among foreign university students in Hungary. We would also like to draw attention to the effect of health status and health behaviour on sleep habit and sleep quality of foreign students in Hungary.
Applicable data collecting methods:	Questionnaire
Necessary and applicable statistical analysis:	Descriptive statistics, mathematical statistics (Chi-square test, T-test, linear regression)
Number of theses:	2
Major/specialization:	Advanced practice nurse

Supervisor:	<b>Miklós Sugár</b>
Workplace	UP FHS Department of Nursing Sciences
Title: (10)	<b>Recreational activities and their changes among nurses</b>
Introduction:	Numerous studies have shown the importance of recreational activities for good health. The aim of this study is to assess recreational activities and their changes among nurses and how they are changing now, in the context of viral load constraints. The study provides an opportunity to assess the recreational activities of the nurses in the light of their socio-demographic and somatometric background, to compare this with the general population, and to assess changes in sport and recreational activities during the COVID-19-related restrictions. The problem can be investigated among both Hungarian and international professionals.
Applicable data collecting methods:	Questionnaire survey, interview
Necessary and applicable statistical analysis:	Descriptive statistics (mean, standard deviation, frequency) and mathematical statistics (chi-square test, t-test, analysis of variance)
Number of theses:	2



Major/specialization:	Advanced practice nurse
Supervisor:	<b>Miklós Sugár</b>
Workplace	UP FHS Department of Nursing Sciences
Title: (11)	Assessment of psychological well-being in patients undergoing hip or knee replacement surgery in the light of time
Introduction:	Hip and knee replacement surgery can lead to significant long-term improvements in quality of life. This may also lead to improvements in psychological well-being, which this research aims to investigate. The aim of the study is to assess the psychological well-being of these patients before, shortly after and after rehabilitation. It will also examine changes in outcomes in the light of different socio-demographic and somatometric factors.
Applicable data collecting methods:	Questionnaire survey, interview
Necessary and applicable statistical analysis:	Descriptive statistics (mean, standard deviation, frequency) and mathematical statistics (chi-square test, t-test, analysis of variance)
Number of theses:	2
Major/specialization:	Advanced practice nurse

Supervisor:	<b>Miklós Sugár</b>
Workplace	UP FHS Department of Nursing Sciences
Title: (12)	<b>Assessment of eating disorders and susceptibility to them among PTE students</b>
Introduction:	In today's consumer society, eating disorders are becoming more and more prevalent, and new ones have been emerging in recent decades. It is therefore clear that the problem is of growing and increasing public health importance. The aim of this study is to assess the various eating disorders or the predisposition to them among PTE students, taking into account their socio-demographic background and somatometric characteristics. The study provides an opportunity to investigate the problem among both Hungarian and international students.
Applicable data collecting methods:	Questionnaire survey
Necessary and applicable statistical analysis:	Descriptive statistics (mean, standard deviation, frequency) and mathematical statistics (chi-square test, t-test, analysis of variance)
Number of theses:	4
Major/specialization:	Advanced practice nurse



Supervisor:	<b>László Szabó</b>
Workplace	UP FHS Department of Nursing Sciences
Title: (13)	<b>Stigma and prejudice against people with mental disorders from the perspective of carers and society</b>
Introduction:	Patients with mental disorders often suffer discrimination from society, which is also a major challenge in their care. Our research aims to assess the levels of stigma experienced by patients and attitudes of carers.
Applicable data collecting methods:	Survey, structured interview
Necessary and applicable statistical analysis:	Univariate analyses, One-, two-sample T-test, Chi-square test, Correlation analysis
Number of theses:	3
Major/specialization:	Advanced practice nurse

Supervisor:	<b>László Szabó</b>
Workplace	UP FHS Department of Nursing Sciences
Title: (14)	<b>Ethical and technological dilemmas in patient education today and in the near future - based on a survey of patients' prior knowledge</b>
Introduction:	The research investigates the extent to which the younger generation - current and near future patients - change their level of prior knowledge compared to older patients during client education. How the amount of lay and professional information available at home affects the knowledge level of clients and how can this be used by the nurse in patient education.
Applicable data collecting methods:	Survey, structured interview
Necessary and applicable statistical analysis:	Univariate analyses, One-, two-sample T-test, Chi-square test, Correlation analysis
Number of theses:	2
Major/specialization:	Advanced practice nurse

Supervisor:	<b>László Szabó</b>
Workplace	UP FHS Department of Nursing Sciences
Title: (15)	<b>Healthy lifestyle or eating disorder? Assessing symptoms of orthorexia nervosa in young adults</b>
Introduction:	Today's society encourages consumption, yet we are motivated by an ideal that requires a healthy, muscular, lean physique to achieve personal happiness. This is



	<p>the environment that determines the development of eating and body image disorders. Eating and body image disorders are becoming a fashionable disease, with new types emerging, frequent overlap between syndromes and even more frequent sub-clinical manifestations. The emergence of orthorexia nervosa (ON) (a compulsive eating disorder used to achieve a healthy appearance) has therefore only recently become a reality.</p> <p>In our study, we explore the prevalence of ON symptoms in different young adult social groups, their correlation with group demographics and factors that may influence their occurrence.</p>
Applicable data collecting methods:	Observation, survey, interview
Necessary and applicable statistical analysis:	Descriptive (mean, standard deviation, frequency) and mathematical statistics (Chi-square test, t-test, Analysis of variance)
Number of theses:	3
Major/specialization:	Advanced practice nurse

Supervisor:	<b>László Szabó</b>
Workplace	UP FHS Department of Nursing Sciences
Title: (16)	<b>Examining workplace stress and coping strategies among nurses</b>
Introduction:	In different areas of the nursing profession, stress levels vary according to the nature of the activity, but staffing levels, job insecurity and career image can also expose workers globally. The aim of this research is to assess the stressors affecting nurses and to explore coping strategies in relation to psychological and somatic complaints caused by stress.
Applicable data collecting methods:	Survey, structured interview
Necessary and applicable statistical analysis:	Univariate analyses, One-, two-sample T-test, Chi-square test, Correlation analysis
Number of theses:	3
Major/specialization:	Advanced practice nurse

Pécs, 12<sup>th</sup> October, 2023

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