

ReFEEHS Project Symposium

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Competencies of advanced practice nurses with MSc degree in Hungary

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The aim of the presentation

- **To give an overview on M.Sc. in Advanced Practice Nurse (APN) education in Hungary**

Source: Oláh A., Máté O., Betlehem J., Fullér N.: The international practice and acceptance concept on Hungary of the Advanced Nurse (APN) training on the MSc level *Nővér*, 2015, 28(2), p. 3-10

M.Sc. in Advanced Practice Nurse

The development of a training and related competences, which provides the possibility to **transfer some scope of duties to MSc nurses which currently belongs to physicians.**

M.Sc. in Advanced Practice Nurse

International Council of Nurses:

APN is a registered nurse, who:

„has acquired the expert knowledge base, complex decision-making skills and clinical competencies for expanded practice”

(Delimaire, 2010)

The effects of training in the care system I.

- **Cost reduction (already reflected in the training cost)**
(Hussey, 2009; Delimaire, 2010)
- **Contributing to meet the increased demand, improvement of the access to health care and patient satisfaction increase**
(Aiken, 2008; Aiken, 2014)
- **Mortality rates improve** (Yakusheva, 2014)
- **Waiting time decreases** (Delamaire, 2010)
- **Nursing profession can be more attractive** (Delimaire, 2010)
- **The rate of attrition and migration decrease (7% - Kleinpell, 2005)**

Currently available specializations

- **Intensive care**
- **Anesthesiology**
- **Emergency**
- **Geriatric**
- **Adult community care**
- **Pediatric community care**
- **Perioperative/first assistant surgeon
specialization for APN**

APN with intensive patient care specialization

Competencies eg.:

- **Compilation of treatment plans**
- **Ordering and analysing blood chemistry tests**
- **Prescribing**
- **Central venous cannula insertion**
- **Intubation**
- **Abdominal tapping**
- **Lumbar puncture**
- **Sternal puncture**
- **Thoracentesis**

Efficiency:

- **Shorter hospitalisation time**
- **Less complications**

(AANA, 2012; Kleinpell, 2005, Klinpell, 2008)

APN specialization in anesthesiology

Competencies eg.:

- **Individual anaesthesia**
- **Compliance of treatment plans**
- **Ordering and analysing blood chemistry tests**
- **Prescribing**

Efficiency:

The number and quality of complications in anesthesia did not show difference compared to the same activity carried out by the anesthetist.

(AANA, 2007; AANA 2009)

APN with emergency specialization

Competencies eg.:

- **Compilation of treatment plans**
- **Ordering and analysing blood chemistry and imaging diagnostic tests**
- **Prescribing**
- **Physical examinations**
- **Setting up direction diagnosis**
- **Central venous cannula insertion**
- **Intubation**
- **Abdominal tapping**
- **Lumbar puncture**
- **Sternal puncture**
- **Thoracentesis**
- **Gastric lavage**

Efficiency:

- **Shorter waiting time**
- **Faster, smoother patient care**

(Li, 2013; Royal college of Nursing, 2007; Wennike, 2007)

APN with geriatric specialization

Competencies eg.:

- **Individual work in praxis with community care**
- **Compilation of treatment plans**
- **Ordering and analysing blood chemistry and imaging diagnostic tests**
- **Prescribing**
- **Setting up direction diagnosis**
- **Preventive examinations**
- **Sending to special medical consultation**
- **Ordering and prescribing vaccines**

Efficiency:

- **Decreasing nursing/ operating costs in nursing homes, home care**
- **Reduction in the frequency of appearance in emergency wards and in the number of days spent in hospital**

(Mundinger, 2000; GAPNA, 2012; Kane, 1989)

APN specialization in adult community care

Competencies eg.:

- **Individual work in praxis with community care**
- **Compilation of treatment plans**
- **Ordering and analysing blood chemistry and imaging diagnostic tests**
- **Prescribing**
- **Setting up direction diagnosis**
- **Sending to special medical consultation**
- **Ordering and prescribing vaccines**

Efficiency:

- **In individual practices the level of satisfaction reached the level of doctors in case of simple diseases such as: cold, flu, high blood pressure, care for other chronic diseases**

(Hooker, 2001; AANP, 2013)

APN specialization in pediatric community care

Competencies eg.:

- **Individual work in praxis with community care**
- **Compilation of treatment plans**
- **Ordering and analysing blood chemistry and imaging diagnostic tests**
- **Prescribing**
- **Setting up direction diagnosis**
- **Sending to special medical consultation**
- **Ordering and prescribing vaccines**

Efficiency:

- **Reduced number of hospital admissions, improved cure rate in patients**

(MO'Leary, 2013; Sherwood, 1997)

APN with perioperative/surgical first assistant specializations

Competencies eg.:

First assistant tasks during operations:

- **separation of tissues, stitching, staples**
- **Laparoscopic trocar insertion and removal**
- **Inserting and removing drain tube**
- **Closure of wounds outside fascia**
- **Limb vein preparation**
- **Wound treatment**

Efficiency:

- **Shorter surgical waiting list**
- **50% cost reduction (shorter operation time, reduced HR costs)**
- **Increased satisfaction**

(RN-SFA, 2009; McKenzie, 2012; Board of Registered Nursing, 2011)

Further specializations (plan)

- **Health Sciences Educator specialization**
- **Research specialization**
- **Institute Director Nurse specialization**

Admission Requirements for MSc education

Currently:

BSc nursing degree - all specializations

Ambulance Officer for Bsc graduates - emergency or intensive patient care specialization

Future:

for all students of health sciences with BSc qualification - specialization in health sciences educator

The Future of APN MSc Education

Facilitate with the use of funding sources :

- availability of **state-funded education**
- **Application in sample hospitals** and
- the **monitoring of activities**, examining the efficiency of education in everyday practice.

Thank You for your kind attention !

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