A Preoperative nurse's role in surgery process
-an integrative literature review-

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Who is a preoperative nurse?
Data collection

PubMed and CINAHL

The search phrases in collaboration with a library information specialist

- Years 2004 - 9/2014
- English
- Peer reviewed articles
- Quantitative, qualitative, and descriptive studies, reviews

\[ \rightarrow 44 \]

JBI evaluation criteria

\[ n=95 \]

Manual search

\[ + 51 \]

The Results

Definition and requirements for a preoperative nurse

Three main themes
- Tasks, tools and outcomes

The data analysis was conducted by qualitative inductive content analysis, using abstraction and categorizing.

Implementing the results

- 4300 staff
- 730 beds
- 26 operating theatres
- 90,000 patients
- 22,000 surgical procedures
- 5000 emergency procedures

- Specialist medical care for 250,000 inhabitants
- Specialist medical care especially demanding cases for 1 million inhabitants
- All the medical specialties
2013

Development of medical and nursing care
Heterogeneous operative processes
Unoptimal use of resources
Environmental changes

A Development project

Homogenous smooth caring process for surgical patients
Patient safety and high quality care
Optimizing resources

2015
Figure 2. Developing a complex intervention according to Craig et al. (2008).
Measuring the possible change

- The data will be collected from hospital databases and registers
- The data setting is quasi-experimental
- 11 medical units before and after implementing the preoperative nursing model
- The data will be analyzed statistically
### Pre-measurement

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<th>Data</th>
<th>Timing</th>
<th>Interest</th>
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<td>Surgical units (n=11) in one university</td>
<td>Last minute cancellations</td>
<td>1.9.2013 - 30.5.2014</td>
<td>Rates and reasons</td>
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<td>Cancelled patients’ documentations</td>
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<td>Is there similarities between patients</td>
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<td>Surgical services</td>
<td>Safety incident reports</td>
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<td>What kind of incidents has been reported to happen in patient’s preoperative process</td>
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### Implementing a preoperative nursing model, winter 2014-2015

| Surgical units (n=11) in one university    | Timing                     | Interest                                                                 | Analyzes                |
| hospital                                     |                            |                                                                          |                         |
|                                             | 1.9.2015 - 30.5.2016       | Rates and reasons                                                        | Statistical methods     |
| Cancelled patients’ documentations          |                             | 1.9.2015 - 30.5.2016       | Is there similarities between patients                                  | Qualitative inductive analyzes |
|                                             |                             | Is preoperative documentation accomplished according to hospital policy  |                           |                         |
| Electronic survey to preoperative nurses    | May 2016                    | How completely the preoperative nursing model has been implemented       | Statistical analyzes    |
| and nursing managers in different medical   |                            |                                                                          |                           |
| specialties                                  |                            |                                                                          |                           |
| Surgical services                           | Safety incident reports     | 1.9.2015 - 30.5.2016       | What kind of incidents has been reported to happen in patient’s preoperative process | Qualitative inductive analyzes |
|                                             | Hospital register           |                            |                                                                          |                         |
Thank you
Danke
Kiitos

Preoperative nurse is a specialist who coordinates the patient care and meets the patient's needs.

A preoperative nurse's role is essential in patient's pathway.

Structured preoperative planning has several positive effects on quality of care, patient safety and optimizing organizational resources.