Relationship between Japanese Nursing Faculty Activities for Prevention Nursing Student's Medical Accident and Their Attributes

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Methods

Instrument:
- The Teaching Activities of Nursing Faculty for Prevention Medical Accidents by Nursing Students in Clinical settings – Selected version (TAPMA-S)
- Nursing Faculty Attributes Questionnaire (NFAQ)
- Self Evaluation Scale of Oriented Problem Solving Behavior in Nursing Practice (OPSN)

Data Correction procedure:
After obtaining the ethical approval from the Sapporo City Universities’ Organization of the Ethics Committee.

Back Ground
Progress in medical technology / Changes of medical Service regime
The percentage of seriously ill patients increased in Japanese Hospitals
Nursing Clinical Practicum
Nursing Students
Cause Medical accidents or incidents
Prevent medical accidents by students to keep patients safe
Nursing Faculty
Many studies being performed to analyze the cause of nursing students’ incidents and accidents.
Nursing faculty’s teaching activity for the prevention of medical accidents by nursing students during the nursing clinical practicum is not clarified.

Purpose
To clarify the relationship between the quality of nursing faculty activities for the prevention of nursing student’s medical accidents and their personal attributes in Japan.

Conceptual Framework
15 attributes as a person
Attributes of the faculty’s teaching activity for the prevention of medical accidents by students during the nursing clinical practicum
3 attributes as a learner
What are the attributes of the faculty enhancing high quality of teaching activities?

Results
881 (43.4%) nursing faculty returned the instruments by mail.
786 of them were valid and analyzed.

Demographics of the nursing faculty

<table>
<thead>
<tr>
<th></th>
<th>n = 786</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sex</td>
<td>Female</td>
</tr>
<tr>
<td></td>
<td>Male</td>
</tr>
<tr>
<td></td>
<td>Unknown</td>
</tr>
<tr>
<td>Age</td>
<td>27-27 (Mean 48.1; SD 7.3)</td>
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<tr>
<td>Nursing programs</td>
<td>BSW</td>
</tr>
<tr>
<td></td>
<td>ADS</td>
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<tr>
<td></td>
<td>Diploma</td>
</tr>
<tr>
<td></td>
<td>Unknown</td>
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<tr>
<td>Teaching experience</td>
<td>1-40 (Mean 9.8; SD 7.5)</td>
</tr>
<tr>
<td>Subject area</td>
<td>1/A (Clinical Nursing, non-clinical nursing)</td>
</tr>
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<td></td>
<td>2 (Teaching)</td>
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<td>3 (Research)</td>
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Attributes related to the score of TAPMA-S score

Score distribution of the TAPMA-S

- The score ranged from 200 to 218 points, with a mean score was 200.5 (SD=38.6).

The Statistical Package for Social Science ver.20 (SPSS) was used for the analysis of data.
- Descriptive analysis was conducted for the background characteristics of the participants.
- Pearson’s correlations were employed to examine the relations among total score of TAPMA-S with OPSN.
- Pearson’s correlations were employed to examine the relations among the age and the years of teaching experiences.
- T test and ANOVA were employed to examine another variables.
- The Step-wise multiple regression analysis was used to examine the extent to which the object variable “TAPMA-S” score related to the explanation variable of faculties attributes which identified the relation by univariate analysis.

Implications
The followings are important to improve the quality of faculty’s teaching activity for the prevention of medical accidents by students during the nursing clinical practicum:
- First, faculty should find the meaning of instruction in nursing clinical practicum, and maintain/improve their ability of nursing practice and of cooperation with nursing colleague.
- Second, the quality of the Faculty’s ability to prevent medical accidents by students will be high quality, if they make their preparations before the nursing clinical practicums with the most studious care and communication with students, patients and the people involved in clinical nursing practicum during the clinical nursing practicum, including getting those abilities.

TAPMA-S mean score of subscales

- 1. Sapporo City University
- 2. Chiba University
- 3. Academic societies
- 4. Perception about nursing practice (OPSN)

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