Clinical Practice Guideline Project for NP Students

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Objectives

1. Describe a process of clinical practice guideline development, patient outcomes measurement and manuscript writing as major synthesis project for FNP students.
2. Identify the AACN Essentials of Master’s education targeted through completion of these projects.
3. Present materials which can be utilized by faculty in adopting evidenced-based guideline development in NP programs

The Projects

Clinical Practice Guideline (CPG) (Clinical course)
• Integrate best current evidence
• Grade Recommendations reflecting potential benefit versus harm
• Encourage use of health informatics systems to support clinical decision making
• Utilize effective teamwork and shared decision making

Patient Outcome Measurement (Clinical course)
• Identify measurable patient outcomes and care delivery processes to evaluate the effectiveness of the guideline in practice

Manuscript (Concepts Course)
• Demonstrate writing skills and disseminate evidenced based clinical information

AACN The Essentials of Master’s Education in Nursing

Clinical Practice Guideline (CPG) Definitions

• A Clinical Practice Guideline
  – is a set of systematically developed statements
  – is based on scientific evidence
  – assists practitioners and patient decision makers about appropriate healthcare for specific clinical circumstances.

• Evidence-based practice
  – is a problem-solving approach to clinical decision making
  – integrates best available evidence.

Clinical Practice Guideline

• Integrate current research and scholarly literature
• Utilize “USPHTF” grading criteria for evaluating the evidence and grading the recommendations
• Formulate the Major Recommendations with grading scheme
• Format according to the NGC template
• Submission of the Guideline to NGC
Clinical Practice Guideline Assignment

**Definition:** Evidence-based nursing practice (EBP) is the process by which healthcare providers make clinical decisions using the best available research evidence, their clinical expertise, and patient preferences.

**Purpose of assignment:** The goal of this assignment is to work in collaboration with student colleagues to update a clinical practice guideline to be submitted to the National Guideline Clearinghouse (NGC).

**Process:** You are to work in 3 teams of 4-5 students each (each team will revise or develop 1 guideline). Your student colleagues will serve as content experts, editor, advisor, and consultant. Select either a prevention/health maintenance topic or a chronic health topic. Three areas of research competence are included in EBP: interpreting and using research, evaluating practice, and conducting research. The following steps will help you in this process:

1. Select a guideline, which is outdated or a new clinical topic.
2. Search the existing nursing and medical literature for relevant research.
3. Evaluate the research evidence using established criteria regarding scientific merit.
4. Choose interventions, make recommendations, and justify the selection with the most valid evidence.

Clinical Practice Guideline Grading Criteria

**Paper Format**

- Complete a systematic, double-spaced paper on current guideline using the format/template identified by NGC. Use Times New Roman 12 font.
- First draft is due on Feb. 18, 2013.
- Second draft is due by March 18, 2013.
- Third draft is due (for internal review) on April 29, 2013.
- Final changes in guideline completed and ready to be submitted to NGC by April 30, 2013.

**Grading Criteria:**

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<tr>
<th>Category</th>
<th>Criteria</th>
<th>Score</th>
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<tbody>
<tr>
<td>A. CPG Summary</td>
<td>Is comprehensive, concise, evidence-based</td>
<td>50</td>
</tr>
<tr>
<td>B. Methodology</td>
<td>Includes grade scheme used to rate evidence</td>
<td>25</td>
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<tr>
<td>C. Recommendations</td>
<td>Includes grade scheme used to rate recommendations</td>
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<tr>
<td>D. National Guideline Clearinghouse format/template is followed</td>
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Practice Outcomes Measurement Plan

**Purpose:** To enhance knowledge of measuring primary care outcomes in a practice setting for health problems across the lifespan, and to work in collaboration with student colleagues to develop guidelines for measuring practice outcomes for assigned health problem.

**Process:** There are 3 teams per group. Each team will write a plan for measuring practice outcomes for the problem targeted in the group.

**Paper Format:**

- Complete a systematic, double-spaced paper on current guideline using the format/template identified by NGC. Use Times New Roman 12 font.
- First draft is due on Feb. 18, 2013.
- Second draft is due by March 18, 2013.
- Third draft is due on April 29, 2013.
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The Process

**Patient Outcome Measurement**

- Develop the Patient Outcome Measurement
  - Based on Recommendations in the CPG
  - Identify 2 (or more) Patient outcome measures related to the implementation of the CPG recommendations
  - Describe the methods of collecting the data
  - Set standard to be achieved

The Process

**Manuscript**

- Adapt the CPG to manuscript format
  - Journal chosen
  - Format to editorial requirements
  - Timeline
    - Topic/Journal selection
    - First draft - Outline
    - Second draft - high quality writing with citations noted
  - Third final draft - high quality writing, appropriately formatted, ready for submission
  - Submission
Evaluation Format for Manuscript Assignment

3. Students may "co-author" the manuscript.
4. Follow manuscript guidelines.
5. Hand in a high-quality draft of manuscript appropriate for journal by Week 10 (March 18, 2013).
6. Provide outline of manuscript with cover letter to designated journal (email) by April 5, 2013.
7. Mail or electronically submit the revised Final manuscript to designated journal (email/copy of both to faculty) by May 21, 2013.

References

American Association of Colleges of Nursing (2011) Essentials of Master's Education in Nursing


Examples of Student Work

- University of Texas at Austin, School of Nursing, Family Nurse Practitioner Program. Screening for lower extremity peripheral artery disease in the primary care setting. Austin (TX): University of Texas at Austin, School of Nursing, 2011 May. 16 p. [20 references]

http://www.guideline.gov/content.aspx?id=34049


http://journals.lww.com/tnpj/Fulltext/2011/11000/Stopping_the_wave_of_PAD_0.aspx

Examples of Student Work

- University of Texas at Austin, School of Nursing, Family Nurse Practitioner Program. Evaluation of hair loss in adult women. Austin (TX): University of Texas at Austin, School of Nursing; 2010 May 21. 18 p. [36 references]


http://www.npjournal.org/article/5155-4155 (10)00490-3/fulltext

Manuscript Assignment Grading rubric

Letter to Editor

5%

Abstract

15%

Title Page, Introduction (includes purpose and significance)

5%

Current

10%

Currency

15%

Clarity

15%

Review of Literature

20%

Synthesis

20%

Currency

5%

References

5%

Other Relevant Sections

5%

Conclusions

15%

Relate to (title, abstract, introduction, and review of literature)

5%

Readiness to submit (email) Manuscript to designated journal by 4:29:13

10%

Special thanks to Dr. Elizabeth Abel, PHD, FNP, ANP who mentored me in carrying out these projects with FNP students.
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