



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)

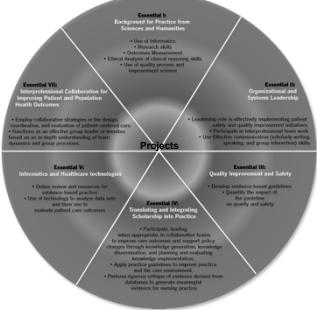
- Identify measurable patient outcomes and care delivery processes to evaluate the effectiveness of the guideline in practice

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
 - <http://www.guideline.gov/submit/index.aspx>

The Process CPG

- Choose the topic for the CPG
- Refine the topic
- Review the National Guideline Clearinghouse (NCG) website and Guidelines for Submission
 - Review the format
- Literature searches
- Refine the topic further if necessary (Draft 1)
- Grade the evidence
- Make the recommendations
- Grade the recommendations
 - Draft 2 Internal Review
 - Draft 3 External Review
- Complete the document for submission according to NGC format prior to submission



Clinical Practice Guideline Assignment

Definition: Evidence based nursing/medicine (EBP) is the process by which health care 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 preventive/health maintenance topic or a chronic health topic. Three areas of research competence are involved 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 existent 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.
5. Write-up your findings using the clinical guideline format/template posted at the NGC website: <http://www.guideline.gov/>



Clinical Practice Guideline Grading Criteria

Paper Format

Complete a typewritten, double-spaced paper on selected guideline using the format/template identified by NGC (<http://www.guideline.gov/>) Use a Times Roman 12 font (or a similar font).

The first draft is due **Feb. 18, 2013**.

The second draft is due to faculty for internal review on **March 18, 2013**.

The third draft is due to expert reviewers for external review on **April 8, 2013**.

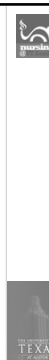
Final changes to guideline completed and ready to be submitted to NGC by **April 29, 2013**.

A. CPG Summary is comprehensive, concise, evidence-based	50
B. Methodology includes:	20
Methods used to assess quality and strength of the evidence	
Rating scheme for strength of evidence	
Methods used to analyze the evidence	
C. Recommendations include:	20
Type of evidence supporting the recommendations	
Methods used to formulate the recommendations	
Rating scheme for strength of recommendations	
Benefits/harm of implementing recommendations	
Qualifying statements	
D. National Guideline Clearinghouse format/template is followed	10



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



Practice Outcomes Measurement Plan

Purpose: To increase knowledge of measuring primary care outcomes at the practice level for health problems across the lifespan, and to work in collaboration with colleagues to develop a guideline for measuring practice outcomes for a targeted health problem.

Process: Three teams of 4-5 students per group. Each team will produce a plan for measuring practice outcome(s) for the problem targeted in the group's clinical practice guideline. You may select a preventive/health maintenance topic or a chronic health topic. The process and outcome(s) of your work will be discussed during your student-led clinical seminar.

Paper: Following Buppert's steps 1-17*, develop a Practice Outcomes Measurement Plan for the problem targeted in your clinical practice guideline. This should include the following elements: problem, target, literature review, patient selection, objective measure(s), process(es) of care and intervention. Paper should be 1-2 pages maximum and prepared as a handout to be given to students at your student-led clinical seminar. Provide a list of references consulted (i.e., your evidence of literature reviewed.) The Practice Outcomes Measurement Plan is due **April 22, 2013**.

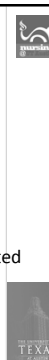
Readings: *Buppert, C. (2005). "Measuring Outcomes in Primary Care" (pp. 123-137). "Appendix 4-A: Outcomes Measurement Process for Patients with Hypertension" (pp. 115-117). *The primary care provider's guide to comprehension and quality: How to get paid and not get sued*. Gaithersburg, MD: Aspen.

Grading Criteria:	
Current literature review (within past five years)	25%
Health problem, target, and patient selection supported by lit review	10%
Objective measures flow from the literature review	10%
Processes of care based on nationally recognized standards, practice outcomes studies, and/or current intervention research	20%
Intervention plan reflects understanding of processes of care	25%
Format, style, and clarity of writing (Use APA for reference list)	10%



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

1. Read Stanley (2011) Chapter 10. Exercises on page 291 will aid you in selecting a journal (Available in the Learning Center).
2. Clear topic and journal selection with faculty **within first 4 weeks of class (Feb. 11, 2013)**. Provide outline of manuscript, example of an article from journal and journal manuscript guidelines by **Week 7 (Feb. 25, 2013)**.
3. Students may "co-author" the manuscript.
4. Follow manuscript guidelines.
5. Hand in a high quality draft #1 manuscript appropriate for journal by **Week 10 (March 18, 2013)**.
6. Turn in high quality draft #2 by **Week 13 (April 8, 2013)**.
7. Mail or electronically submit the revised Final manuscript with cover letter to designated journal (email/ copy of both to faculty) by **Week 16 (April 29, 2013)**.



Manuscript Assignment Grading rubric

Letter to Editor	5%
Abstract	5%
Title Page, Introduction (Includes purpose and significance)	15%
Concise	
Current	
Clarity	
Review of Literature	40%
Synthesis	
Clarity	
Currency	
Relevancy	
Other Relevant Sections	
Conclusions	20%
Relate to title, abstract, introduction, and review of literature	
References	5%
Style used in journal	
Appropriate, current and correct	
Ready to submit (email) Manuscript to designated journal by 4-29-13	10%



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>
- Brazziel, T., Cox, L., Drury, C. and Guerra, M. *Stopping the Wave of PAD*. Nurse Practitioner, November 2011, 36: 11, p 28-33.
http://journals.lww.com/tnpi/Fulltext/2011/11000/Stopping_the_wave_of_PAD.9.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.guidelines.gov/content.aspx?id=16324>
- Grimes, D., Blankenship, O., Kremer, K., Reese, S. and Sonstein, F. *Initial Office Evaluation of Hair Loss in Adult Women*. The Journal for Nurse Practitioners June 2011, 7:6, pgs. 456-462.
[http://www.npijournal.org/article/S1555-4155\(10\)00490-3/fulltext](http://www.npijournal.org/article/S1555-4155(10)00490-3/fulltext)



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- American Association of Colleges of Nursing (2011) *Essentials of Master's Education in Nursing*
- Buppert, C. (2005). *The primary care provider's guide to compensation and quality: How to get paid and not get sued* (2nd ed.). Sudbury, MA: Jones and Bartlett.
- National Guideline Clearinghouse. <http://www.guideline.gov>
- Stanley, J. (2011). *Advanced practice nursing: Emphasizing common roles* (3rd ed.). Philadelphia, PA: FA Davis Company.
- Taylor-Seehafer, M.A., Abel, E., Tyler, D. O., & Sonstein F. C. (2004). Integrating evidence-based practice in nurse practitioner education. *Journal of the American Academy of Nurse Practitioners*, 16 (12), 520-524.



Thanks



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