Integrating Quality Improvement Content Throughout the Curriculum

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Objective

• Discuss strategies that can be implemented across the pre-licensure curriculum to involve students in quality improvement initiatives.

QSEN Principle: Quality Improvement

• Use data to monitor the outcomes of care process and use improvement methods to design and test changes to continuously improve the quality and safety of healthcare systems
  - Knowledge
    - Describe strategies for learning about outcome of care
    - Describe approaches for changing processes of care
  - Skills
    - Seek information about outcomes
    - Use QI tools, root cause analysis of sentinel event
  - Attitudes
    - Value own and others contributions to care
    - Value measurement, change and team work
Application of QSEN Principles

- It's not about teaching more content, it's about teaching content in a different way:
  - Helping students obtain knowledge, skills, and attitudes
  - Preparing the next generation of nurses
  - Integrating evidence-based practice
  - Improving the quality of care
  - Providing safe, family-centered care

First Semester
Introductory Course

- Introduce students to concept of Quality Improvement in acute care settings
- Guest lecture by local Risk Manager/Quality Improvement team members
- Emphasize the ongoing nature of quality improvement

Second Semester
Nursing Research Course

- Inclusion of content on the relationship of evidence to quality improvement
- Hierarchy of evidence reviewed
- Discussion of resources available to assist with evidence evaluation
Second Semester
Adult Health Clinical

- Clinical group involvement in quality improvement project
- Piloted in Spring 2012
- Students surveyed Sequential Compression Device use by surgical patients
- Reviewed literature, identified areas for improvement, made suggestions to staff

Sequentials Are Essential
The Basic Principles, Clinical Basis, Clinical Practice
Melissa Eberhard, Megan Hassan, Brianna Lasslett, Kim Poole
Second Semester
SU Nursing Students

How Data Were Collected

- Two students collected data, rotating every week
- Checked if the sequential compression devices (SCDs) were applied and the machine was on
- Offered to put on the SCD's if the patient did not have them on
- Checked twice during the shift; once at the beginning and around 4:00pm and once towards the end around 8:00pm
- Only checked patients that had either abdominal or gynecological surgery on 5 West A
- Around 4:00pm and once towards the end around 8:00pm
- Reviewed literature, identified areas for improvement, made suggestions to staff

What is a DVT?
A deep vein thrombosis, or DVT, is the formation of a blood clot in a vein deep inside the body. DVTs usually form in large veins of the lower leg and thigh, but may also form in other veins. These clots can fully or partially block the blood flow. A blood clot in a vein deep inside the body. DVTs usually

What is the fall risk associated with the proper use of SCDs?

- A fall risk can occur if patients are not wearing SCDs properly or if the machine is not on. Proper use of SCDs requires that they are applied correctly and the machine is turned on.
- It is important to assess patients for proper use of SCDs regularly.

What is the risk of skin injury/breakdown with the use of SCDs?

- The risk of skin injury/breakdown with the use of SCDs is low if they are applied correctly and the machine is turned on.
- It is important to assess patients for proper use of SCDs regularly.

What is the minimum number of times a patient needs to be reminded to wear SCDs?

- A minimum of once per shift is recommended
- It is important to assess patients for proper use of SCDs regularly.

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Psychiatric Mental Health Course

- Course Objective: Use research findings to enhance evidence based practice in the mental health setting
- In depth analysis of the pertinent issues related to assigned patient
- Incorporate research into the care of the patient to enhance quality
- Topics may include: diagnosis, medications, cultural considerations, interventions
- 30 minute presentation to faculty, peers, and staff

Examples of EBP in Psychiatric Mental Health Nursing

- Cognitive Behavioral Therapy and Anxiety Treatment
- Pet Therapy and PTSD
- Relapse and Alcohol Dependence
- Exercise and Schizophrenia
- Mental Health Beliefs and Attitudes of Older African Americans with Depression
- Antipsychotics and Diabetes
- Substance Abuse in Veterans
- Sexual Abuse and PTSD

Project Example
**Project Example**

![Diagram](image)

**Senior Seminar**

- Course Objective: Apply current research findings to leadership and management issues
- Identify ongoing quality improvement initiative on assigned clinical unit
- Summarize initiative including why this particular issue was chosen, how the data is being collected and analyzed
- Discuss how the quality improvement initiative will effect health care practice on the unit
- Summarize two related research articles
- Discuss application of research finding

**Project Topics**

- Couplet Care in Maternity
- Hourly Rounding
- Skin Precautions and Ulcer Prevention
- Patient Satisfaction
- Preventing Falls
Root Cause Analysis

• Discussion on decision making and problem solving
• Small group exercise
• Patient Fall
• Use of fishbone diagram

Questions?

Thanks for your participation.