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Rachel Choudhury

Franklin University, rachel.choudhury@franklin.edu

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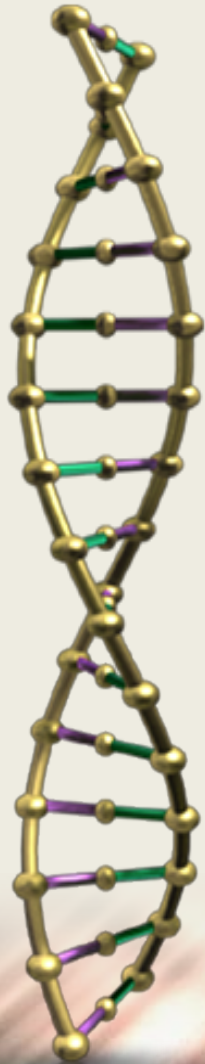
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Beyond Codes: Translating Genetics to Nursing Practice

By Rachel Choudhury, MSN, RN, CNE – Adjunct Faculty, RN-BSN Program



Purpose & Objectives

- ❑ Examine influencing factors and processes by which RN-BSN students develop genetics/genomics self-efficacy in their current practice areas
- ❑ Discuss implications of findings for course and program enrichment

Significance

- ❑ Baccalaureate-prepared nurses are expected to have a foundation in genetic/ genomic knowledge, skills, and attitudes (AACN, 2008; NCHPEG, 2007)
- ❑ Nursing research show that link exists between self-efficacy and acquisition of competencies, thereby narrowing academic practice gaps

Theoretical Frameworks

- ❑ *Self-Efficacy Theory* (Bandura, 1977, 1981)
- ❑ *Self-Regulated Learning Model* (Kuiper & Pesut, 2004)
- ❑ *Universal Design for Learning* (Rose & Meyer, 2002)

Methodology

- ❑ Course & Curriculum Components
- ❑ Data from “Reflective Learner” Exercise
- ❑ Thematic Analysis of Data Collected

Implications: Course & Program Enhancement

- ❑ Continue to apply concepts to nursing practice: “*Relevance*” and “*Significance*”
- ❑ Importance of Nursing Roles: “*Advocate*” and “*Counselor*” - Provide Examples

Evaluation and Analysis

Student Engagement: Engaged throughout the entire course (12/15)	
Research Paper (6); Weekly Discussion (4)	*
*Least Engaged Week 6: Advocacy (2)	

"Ah-Hah!" Moments: YES (10/15)		NONE (3)	
*		**	
*Assignments reinforced concepts relevant to nursing practice (6)			
*Extent of genetics/genomics research (2)			
**All information were interesting			

Learning Activities: Most Engaging/Meaningful			
Research Paper (6)		Weekly Disc (4)	
Least Engaging/Meaningful			
NONE (5)		*Advocacy	**Genetic
		Assignment (4)	Counseling (3)
*Difficulty finding current legislative issues r/t to content			
*Not sure what to write on			
**Not sure how to approach the assignment			

Practice Application	
Patient/Family Education (7)	[Genetic Testing (2)]
Apply Knowledge of Genetics Diseases (4)	[Assessment (2)]
Learning more about genetic diseases (3)	

Change in Nursing Perception: YES (9/15)		NO (5/15)	
*		**	
*Increased knowledge and skills to enhance patient care – [6/9]			
> Nurse’s role in advocacy and counseling [2/9]			
> Lifelong learning to apply to nursing practice [2/9]			
> Interest in research [2/9]			
**Reinforced nurse’s role in providing quality patient care [2/5]			
and other opportunities in nursing [2/5]			

Most Important Things Learned in the Course	
Role of Genetics/Genomics in Nursing Practice (10)	
Knowledge/Research (10)	
Patient Advocacy (3)	
Patient Education/Genetic Testing Info (3)	
Seeing Others’ Point of View (3)	