



# A Collaborative Curricular Response to Rehabilitative Challenges in a Global Setting

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# Disclosure

## **Presenters**

- Janice Cotrone, DNP, RN
- Connie Crump, DPT, PT
- Barbara A. Ihrke, PhD, RN

## **Objectives:**

- The learner will be able to identify steps to develop a collaborative partnership.
- The learner will be able to describe rehabilitative activities to improve clinical outcomes.
- The learner will be able to integrate rehabilitative practices in baccalaureate nursing curriculum.



# Disclosure

- Indiana Wesleyan University
  - Dr. Connie Crump
  - Dr. Barbara A. Ihrke
- Wesleyan University of Haiti
  - Dr. Janice Cotrone
- The authors declare no known conflict of interest or bias.
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# Haiti -

**Haiti –  
In the  
Caribbean,  
Southeast  
of the USA**

**La Gonave**





# Haiti: Low-Resource Country

- 80% of the population lives below the poverty line, 54 percent of these people living in “abject” poverty
- Haiti the poorest country in the Western hemisphere.
- 50% of the population does not have access to safe water supply
- 60% of the population is unable to obtain sufficient food to eat
- 40% of the population have limited access to basic health care.

(<http://reachh.org/healthcare-in-haiti/>)



# Development of a Collaborative Relationship with a BSN Program in a Developing Country

- The learner will be able to identify steps to develop a collaborative partnership.
- The learner will be able to summarize the benefits of a collaborative partnership.



# Introduction to the Partnership

- 2012 – Initial meeting in Lexington, Kentucky
- 2013 – Leadership team retreat in Haiti – on La Gonave
  - Discussion of healthcare practices and nursing educational needs





# Partnership Development

- Needs assessment/resource sharing
- Delineation of mutual goals
- Development of common didactic/clinical learning experiences
  
- 2014 – Development of WUH (Wesleyan University of Haiti) BSN curriculum
- 2015 – Development of IWU (Indiana Wesleyan University) semester abroad
- 2016 – First cohort of semester abroad (12 students)





# Benefits to WUH (Wesleyan University of Haiti)

- Global awareness
  - Sophomore students from WUH and IWU study Transcultural Nursing together
- Professional development
  - For nurses and physicians in local hospital
  - For professors and staff in the SON
- Resource acquisition
  - Mannequins, fetal pigs, suction, books, etc.

# Benefits to IWU (Indiana Wesleyan University)

- Teaching opportunities
  - DNP students, IWU faculty
- Semester abroad
  - Spring semester – 14 credits
- Global awareness
  - Transcultural Nursing
  - IWU students learn Creole
  - Friendships develop
- Professional development
  - Interprofessional opportunities



# Adapting Rehabilitative Activities to Improve Clinical Outcomes in a Limited Resource Setting

- The learner will be able to describe rehabilitative activities to improve clinical outcomes.
- The learner will be able to describe interprofessional collaboration for safe patient handling programs.



# Patient-centered Approach

- Discover prior level of function
  - Did the patient work? Other interests?
  - Did the patient have limitations previously?
- Discover living arrangements/setting
  - Independent or with family?
  - Is home safe?
  - Assistive devices available?
- Patient's goals
  - Pollock et al. (2014) identified that successful outcomes were dependent on aligning treatments with patient's priorities/purpose



# Early Assessment & Implementation

- Implement active movement
  - Rehabilitative activities
    - Veerbeek et al. (2014) identified several activities with significant correlation to patient outcomes
  - Active-assist (or passive) to symmetry
  - If neglect of any parts, initiate recognition activities
- Implement caregivers training
  - Even the little things!
  - Encourage and/or assist





# Safety for Patient and Caregivers

- Assess movement
  - Is there symmetry?
  - Active movement of all extremities?
- Assess the presence/capability of caregivers
  - Are there any?
  - Can they physically assist?
- Education for body mechanics
  - Lifting techniques
  - Facilitation and/or inhibitory techniques
  - Therapeutic positioning of paretic limbs
- Encouragement (and patience!) for as much patient involvement as possible



# Clinical Outcomes

- Higher level of functional independence
- Fewer additional injuries of patient and caregiver(s)
- Improved quality of life post stroke (Pollock et al., 2014)



# Integration of Rehabilitative Practices in a Baccalaureate Nursing Curriculum in Haiti

- The learner will describe a successful collaboration between global partners.
- The learner will be able to integrate rehabilitative practices in baccalaureate nursing curriculum.





# Successful Collaboration Between Global Partners

## Partnerships and Practice Setting

- Indiana Wesleyan University
- Mary Baldwin College

## Wesleyan Hospital of La Gonave

- Established 1958; New facility opened 2015
- Only inpatient facility for 120,000 island residents
- 66-bed inpatient hospital
- No physical, rehabilitative, or occupational therapy

## Wesleyan University of Haiti

- Established 2014
- One of 2 BSN programs in Haiti

# Assessment of Needs

- High incidence of HTN and stroke throughout Caribbean
- La Gonave Island
  - Accessible by boat or small plane
  - 120,000 island residents
  - Poor access to healthcare
  - Uncontrolled HTN, stroke, debilitating effects, and death





# Curriculum – Years One and Two

## Year One

- Associated Coursework
- Concepts
  - Healthcare team
  - Interprofessional
  - Patient-centered care
  - Patient/family teaching

## Year Two

- Associated Coursework
- Concepts
  - Maximum therapeutic benefit
- Nursing skills



# Curriculum – Years Three and Four

## Year Three

- Associated Coursework
- Concepts - optimal QoL
- Skills - outcome measures

## Year Four

- Associated Coursework
  - Global health
- Concepts
  - Prevention
  - Health literacy
  - Holistic health
- Skills
  - Patient education/community education
  - Educational tools





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