**Development and Evaluation of an Evidence-Based Clinical Practice Guideline of Evidence Collection for Female Adolescents and Adults of Sexual Assault**

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**Background & significance**

- **Nature of forensic nursing on sexual assault**
  - Evidence collection
  - Victim-centered care
  - Consequence-informing, e.g., pregnancy, sexually transmitted diseases (STD)

- **Predicaments faced in Taiwan**
  - No forensic nurses
  - Physicians’ frequent rotation
  - Nursing experiences passed down without evidence-based clinical guideline available

- **Developing a clinical practice guideline based on empirical evidences**
  - Within the context of patient preferences is crucial for forensic examiners to provide better and competent care to female victims of sexual assault

**Procedure**

- **Development phase:** A 7-steps development by Bowker et al. (2008; 2010):
  1. Establishing a guideline development team
  2. Analyzing 2 existing sexual assault forensic exam guidelines: WHO & U.S. Department of Justice
  3. Forming major PICO questions: e.g.,
     - Are the sexual assault victims’ feelings affected by the examiner’s gender?
     - Can the occurrence time be inferred from the color of blunt wounds of the sexual assault victims?
     - Is the finding different between using direct visual inspection and colposcopy for identifying anal-genital injuries?
  4. Undertaking systemic reviews for clinical questions and critically appraising published articles
  5. Drafting a guideline with 7 domains: physical assessment/treatment, victim-centered care, informed consent, reporting, evidence collection, pregnancy/STD prevention, and follow-up care
  6. Conducting a 3-round Delphi study (30-50 experts)
  7. Inviting 3 methodologists to evaluate the newly developed guideline based on Appraisal of Guideline for Research and Evaluation II

- **Implementation and evaluation phase:**
  1. Clinical applicability and feasibility: 10 clinical nurses
  2. Satisfaction of care: 10 sexual assaults victims

**Purpose**

- To develop and evaluate an evidence-based clinical practice guideline of forensic examination of sexual assault for female victims

**Expected results**

- The guideline will provide forensic examiners with an evidence-based strategies for fulfilling patient preferences and improving the quality of care to female victims of sexual assault
- This study will set an example of developing and evaluating an evidence-based clinical guideline for future reference

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