Interprofessional Education Through Transdisciplinary Simulation:
“Learning Together to Practice Together”

John Cornele MSN RN EMT-P
ACOG & ACNM Joint Statement on Collaborative Practice

• “Quality of care is enhanced by collegial relationships characterized by mutual respect and trust, as well as professional responsibility and accountability.”

• “By strengthening the way our independent professions work together, we believe that we can more effectively provide the highest quality care that women expect and deserve. (2011)
Transdisciplinary Educational Credo:

We accept The Institute of Medicine's challenge to "reconfigure" health professional education. We believe that:

*All health professionals should be educated to deliver patient-centered care as members of an interdisciplinary team, emphasizing evidence-based practice, quality improvement approaches, and informatics.*
GOALS:
- Role Understanding and Respect
- Communication/Collaboration Improvement
- Teamwork Development
- Patient Safety
- High Quality Patient Care
- Knowledge and Skill Development
- Collaborative Environment
Women's Health Transdisciplinary Simulation

- **Participants** (120) + Lab Support (6)
- **College of Medicine**
  - Faculty (Attendings): 7
  - Senior “pathway” Medical Students: 6
  - Ob/Gyn Residents: 6
- **College of Nursing**
  - Faculty: 12/1 Nurse Anesthetist/1 Midwife
  - Students: 58 Undergraduate/25 Graduate (NP)
- **Allied Health** (Physician Assistant Students/Nurse Anesthetists)
  - Faculty 2
  - Students 20

#LAERDALSUN
Simulation Day Design

• Outpatient Setting
  – Standardized Patients
  – 3 Scenarios
    • emergent gyn history
    • gravid history
    • giving bad news
  – Consultation areas
  – recorded
Simulation Day Design

- Inpatient Setting
  - Hybrid Simulation
  - Standardized Patients/High Fidelity Patient Simulation
  - 2 Scenario Rooms
    - 1 Ectopic (code)
    - 1 Delivery and Neonatal Care
In patient
In patient
In patient
In patient
In patient
Debriefing, a Step Beyond Feedback

General Goals:

• Acknowledge and support the student

• Clarify knowledge

• Integrate new knowledge with current

• Create a link to future clinical practice
Debriefing

• Costs
  – Faculty training and buy-in
  – Time intensive
  – Faculty intensive
  – Financial burden

• Benefits
  – Critical to experiential learning
  – May be the most important time in simulation
  – Connection to authentic patient care
  – Development of reflection skills
Sneak Peak: Collaborative Attitudes

- Significant increase in
  - Mutual support
  - Communication

- Near significant increase in
  - Situation monitoring

- No significant increase in
  - Structure
  - Leadership
Expanding beyond Women’s Health
Other topics that participants would like covered:

- Clinical cases that include more emergency medicine and acute situations, ICU, trauma, cardiac (stroke, arrhythmia, heart alert, code) and respiratory cases

- Term obstetric case, other obstetric complications (gestational diabetes, pre-eclampsia, cesarean birth)

- Complicated gynecology (pelvic pain, DUB, PCOS), contraceptive counseling, pediatrics, and patient education
Major Challenges:
- Multi-disciplinary commitment
- Skill matching (participants)
- Scheduling
- Time intensive
- Lab space and staff

Major Rewards:
- Power to teach all disciplines together to try to enhance patient quality of care; increase patient safety; and improve collaboration between disciplines
The Future: Where Do We Go From Here?

- Faculty development at both CNHP and COM:
  - Team of 25 trained IPE simulation faculty
- Interprofessional Education Institute at Drexel
- Research and evaluation of education and care
- Expand to all medical and nursing specialties
- Drexel Transdisciplinary Educational Model adopted in IOM National Clearinghouse of IPE
- Drexel University global interprofessional educational leadership
Acknowledgements – Our Team

• Michael Conti
• John Cornele
• Genevieve Dion
• Dana Farabough
• Mary Gallagher Gordon
• Sandra Levinson
• Faye Meloy
• *Kymberlee Montgomery
• Owen Montgomery
• Kate Morse

• Nina Multak
• Carol Okupniak
• Jen Olszewski
• Alis Panzera
• Lauren Plante
• Michael Podolsky
• Bobbie Posmontier
• Joanne Serembus
• Brenda Thompson
• Linda Wilson

#LAERDAL#SUN