Outline of Learning Lab

Comprehensive presentation of the applications of pharmacogenomic testing (PGT) in primary care and psychiatric nursing practice. This presentation will review the current literature regarding PGT applications in primary and psychiatric care with a specific case example of depression. Depression treatment is often associated with poorly tolerated medications and adverse drug reactions which can impact treatment adherence, symptom management, and healthcare costs. The clinical use of PGT in mental health care is increasing and has the potential to direct the practitioner to the medication for which each individual patient is most likely to have a positive therapeutic response. NPs must be prepared to consider the inclusion of personalized health care with PGT in primary and psychiatric clinical care.

Learning Objectives
Upon conclusion of this program, participants should be able to:
Discuss the foundational pharmacogenomics principles.
Define basic genomic concepts and nomenclature.
Review existing evidence and guidelines for use of pharmacogenomics in clinical decision making.
Describe the considerations for selecting a pharmacogenomics test.
Apply pharmacogenomic test results to make clinical recommendations.

Agenda

1:30-2:00 Pharmacogenomics 101
2:00-2:30 Evolving Field of Pharmacogenomics
2:30-2:45 Break
2:45-3:30 Pharmacogenomics: Clinical Laboratory Testing
3:30-4:00 Interpreting Pharmacogenomics Reports
4:00-4:15 Break
4:15-5:00 Pharmacogenomics & Practice: A Clinician’s Perspective PGx Cases
   5:00 Case: Oncology
   5:15 Case: Psychiatry
   5:30 Case: Cardiology
5:30-5:45 Wrap-up/Questions