**REVISED COURSE WORK FOR DIAGNOSTIC TESTING (CONTINUOUS PROFESSIONAL DEVELOPMENT, CPD2)**

**BACKGROUND**

The goal is to improve the delivery of information related to teaching statistics and evaluation of diagnostic testing. The critical evaluation of diagnostic testing is an essential skill required for implementing and using Evidence-Based Medicine (EBM). The goal of the project is to create a series (3-4) of concise, engaging and interactive E-lectures (videos/podcasts) coupled with in-class active learning exercise(s) which covers the evaluation of diagnostic tests (validity, predictive values, likelihood ratios, etc.).

**METHODS**

- Pre-class survey to assess current knowledge
- Series of short Storyline videos covering basic knowledge for:
  - Incidence/Prevalance
  - Sensitivity, Specificity
  - Positive and Negative Predictive Value
  - Likelihood Ratios

In-Class Component

- Use a variety of resources to illustrate various aspects of diagnostic testing
  - Journal article
  - Case study
  - Online resources
  - Package inserts

**RESULTS**

The revised course work will be presented this fall in the Continuing Professional Development Course (CPD2) – Diagnostic Testing.

**CONCLUSIONS**

The objective is to find a more effective way to engage adult learners by delivery content which has been traditionally presented in a didactic format. The focus of the in-class CPD2 component is then directed at acquiring skills related to analyzing journal articles and other resources.

**CURIOSITY**

After delivery the initial content in class at MCW-Green Bay in the traditional didactic method, I was curious about finding a more effective way to engage the learners. Could there be a better way to learn the material and acquire a new skill through the use of in-class exercises.

**CONNECTIONS**

After questioning a small group of students about the topic it was important to learn that pre-class work needs to be relevant, and the biggest concern for them is saving time. Open to the idea of a series of concise videos to review prior to class.

**MY ENTREPRENEURIAL MINDSET**

**CREATING VALUE**

Delivering a more effective method of teaching material which learners may have limited exposure to while in medical school.

The approach may be appropriate for other topics in the CPD2 series.