

## **Parallel Short Course 9**

### **PSYCHOLOGY OF MEDICAL DECISION MAKING: HOW TO ANALYZE CLINICAL JUDGMENT USING A LEN MODEL APPROACH**

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**Course Level:** Intermediate

#### **Objectives:**

1. Explain the place of lens model analysis in judgment and decision making research.
2. Describe the principles of lens model analysis.
3. Gain practical experience with lens model analysis.
4. Review applications of the lens model analysis to clinical medicine.

#### **Course Description:**

The lens model is a tool for studying clinical judgment. By analyzing a series of judgments made in response to clinical vignettes, a subject's weighting of clinical factors can be measured and compared to a reference standard. This approach employs underlying assumptions about the probabilistic nature of the world and use of redundant, imperfect cues. The development and refinement of the lens model and the lens model equation have led to a considerably body of research that has enriched our understanding of clinical judgment.

This course will first review historical approaches to understanding clinical judgment and then focus on the role of lens model approach in the psychology of medical decision making. The bulk of the course will emphasize practical aspects of doing lens model analysis. Participants will gain hands-on experience working with sample lens model analyses provided as spreadsheets. Examples from the medical literature will further illustrate the usefulness and application of judgment analysis.

#### **Equipment:**

Participants who wish to get the most out of the course should bring a laptop computer with Microsoft Excel and the Analysis ToolPak add-in installed.