

TITLE: Practical Advice to Maintain a Healthy Quality Control Program

Duration: 45 minutes

DESCRIPTION: The general focus of this presentation is to show the audience the elements required to conduct a quality control program in the clinical laboratory involving monitoring strategies in order to minimize deviations in patient results. During this presentation we will introduce useful statistical concepts to implement in the identification and resolution of quality control issues. We will also explain the usage of Levey-Jennings graphs to monitor test performance, detect random and systematic errors and how to document research. Finally, the presentation focuses on the usage of previously analyzed patient samples to verify test deviations and the acceptance criteria for analytical performance to be used based on total permissible error. We will provide practical examples of situations regularly faced by the laboratorian and how to solve them.

FACULTY:

Veronica Luzzi, PhD (Tricore Research Institute, Pathology)