

# Innovations in CRRT Training: Leveraging simulation for a multidisciplinary CRRT Symposium.

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## Purpose

The purpose of this presentation is to describe the use of simulation-based training to enhance CRRT.

## Background

CRRT is limited by lack of understanding of its application and technical features. A 2 day seminar limited to 50 participants used simulation-based training to increase understanding of CRRT for physicians, pharmacists, and nurses.

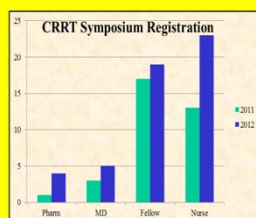
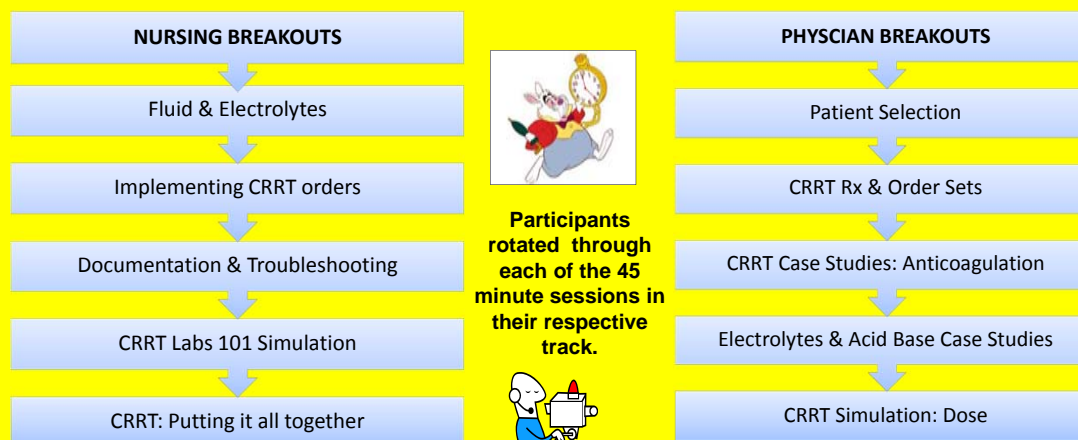
## Results

Evaluations included an overall evaluation, simulation evaluations, and individual session evaluations. The mean score was 4.92/5.0. Comments included: "I feel better prepared to care for CRRT patients"; and simulations allowed "me to understand the classroom content better," "assimilation of lecture theory into practice," and "time for questions and clarifications."

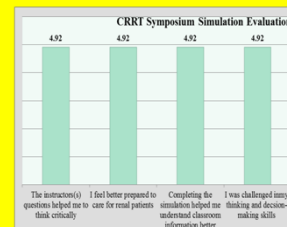
Special Thanks – UAB Hospital's Department of Simulation, UAB Medical Nursing Division

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## *Day II: Breakouts and Simulations*



Six interlocking video vignettes. Each vignette was ~ 3-5 minutes and reinforced content and objectives from Symposium



## Methods

### Day I:

- Traditional lectures on CRRT basics

### Day II:

- Participants were divided into Nursing and Physician/Pharmacy/Adv. Practice groups.
- Each group was then further divided into smaller groups allowing for a 1:5-6 faculty participant ratio.
- The small groups rotated through five designated nursing or five designated Physician breakout sessions.
- Breakout sessions utilized the UAB simulation center and a variety of teaching methods including small group discussion, hands-on problem solving with machine simulations, and case studies for lab management.
- Some breakouts utilized high fidelity simulation mannequins connected to CRRT machines with circulating fluids.
- The day culminated with all participants regrouping and viewing a 6 part video series of simulated interactions with the multi-disciplinary team interactions with patients and families..

## Conclusion

Enhanced learning and application of CRRT concepts was accomplished using innovative multidisciplinary curriculum including simulation based teaching strategies.

