Clinical Reasoning – A special case of scientific reasoning

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Clinical reasoning: A Special Case of Scientific Reasoning and Argumentation?

Can clinical reasoning be considered a unique form of scientific reasoning and argumentation in practice? A generic model of scientific reasoning will be presented, and science-based reasoning in practice will be discussed.

The current literature on clinical reasoning and methods for instructional support, and the question of domain-specific needs for training and practice, will be critically reviewed. A special focus of the talk will be on the need for a model for collaborative clinical reasoning and the potential of scripts to foster diagnostic, communicative, and collaborative competencies.

At the end of this session, participants will be able to:

- Define scientific reasoning and argumentation and describe their relationship to clinical reasoning
- Discuss models of general and domain-specific clinical reasoning
- Explain future challenges for instructional interventions to foster clinical reasoning as a mixture of diagnostic, communicative, and collaborative competencies