

WS14

Proactive Clinical Guideline Development Using Systems Approach

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Background: Looking from knowledge management perspective, guideline production is a process of changing explicit to tactical knowledge. Existing guideline production methodologies have far advances in interpretation of explicit knowledge, while tactical knowledge production does not have a defined methodology. Guidelines provide an in-detail description of evidences produced and their interpretation; Meanwhile, gaps in evidence production are not always addressed and applicability of recommendations may not be clear.

Most of the guidelines are focused on specific interventions or disease states while the care provider opposed to a series of clinical events over time needs to build a dynamic multidimensional care process. Systems thinking is a framework based on the belief that the component parts of a system can best be understood in the context of relationships with each other and with other systems, rather than in isolation. In this workshop, we use systems approach for methodological formulation of tactical knowledge in guideline production.

Workshop Objectives

- Introducing system thinking as a new paradigm in formulating guidelines
- Using disease and care process as a reference for planning optimal care
- Designing guidelines based on an understanding of variations in care pattern
- Proactive planning of evidence production and implementation of guidelines

Workshop Description: Case studies from implementation projects shall be used to introduce interactive exercises. Participants shall take part in a modeling experience that help them building flexible guidelines based on an in-depth understanding of disease and care process, where the patient receives care (care providing unit and regional health system). Continuous improvement of the guideline development process shall be guaranteed by a proactive design of research and implementation plan.

Modeling Phase	Expected Result
A. build up a disease process map	Defining clear goals and objectives for the care process reassuring optimal outcome
B. Model a coordinated care process	Build up clinical guideline scope using a system approach
C. Map and Formulate Variations in Care <ul style="list-style-type: none"> - Localize the Care Process in the care providing units - Regionalize the Care Process / Find other sources of variation 	Define clinical guideline topics and questions based on care process variations
D. Propose Optimal Care Packages appropriate to the Care Setting	Formulate recommendations providing clear tactics.
E. Proactive Design of Research and Implementation Plan	A systemic plan for evidence production, implementation and evaluation of guidelines

Target Audience: Guideline Developers (people with active clinical assignments are specifically invited)

Type of the Workshop: Round Table Discussion