Authoring KNARTs

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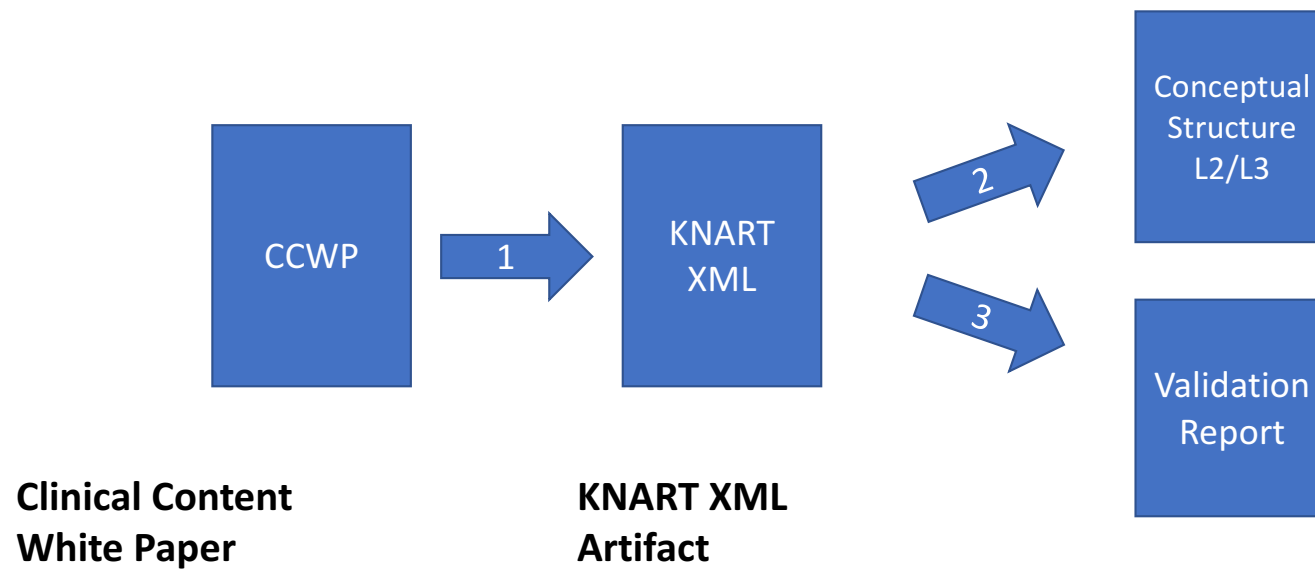
Cognitive Medical Systems

Background

- **KN**owledge **ART**ifact
- A "computable" representation of clinical knowledge
  - Documentation Templates
  - Order Sets
  - Event – Condition – Action (ECA) Rules
  - Composite KNARTs (NEW)
- XML Document
  - Structure defined by Knowledge Artifact Standard (KAS)[1] specification and XSD Schema

1. Health Level Seven International. (2015). *HL7 version 3 standard: Clinical decision support knowledge artifact specification, release 1.2.* http://www.hl7.org/implement/standards/product_brief.cfm?product_id=337: HL7.
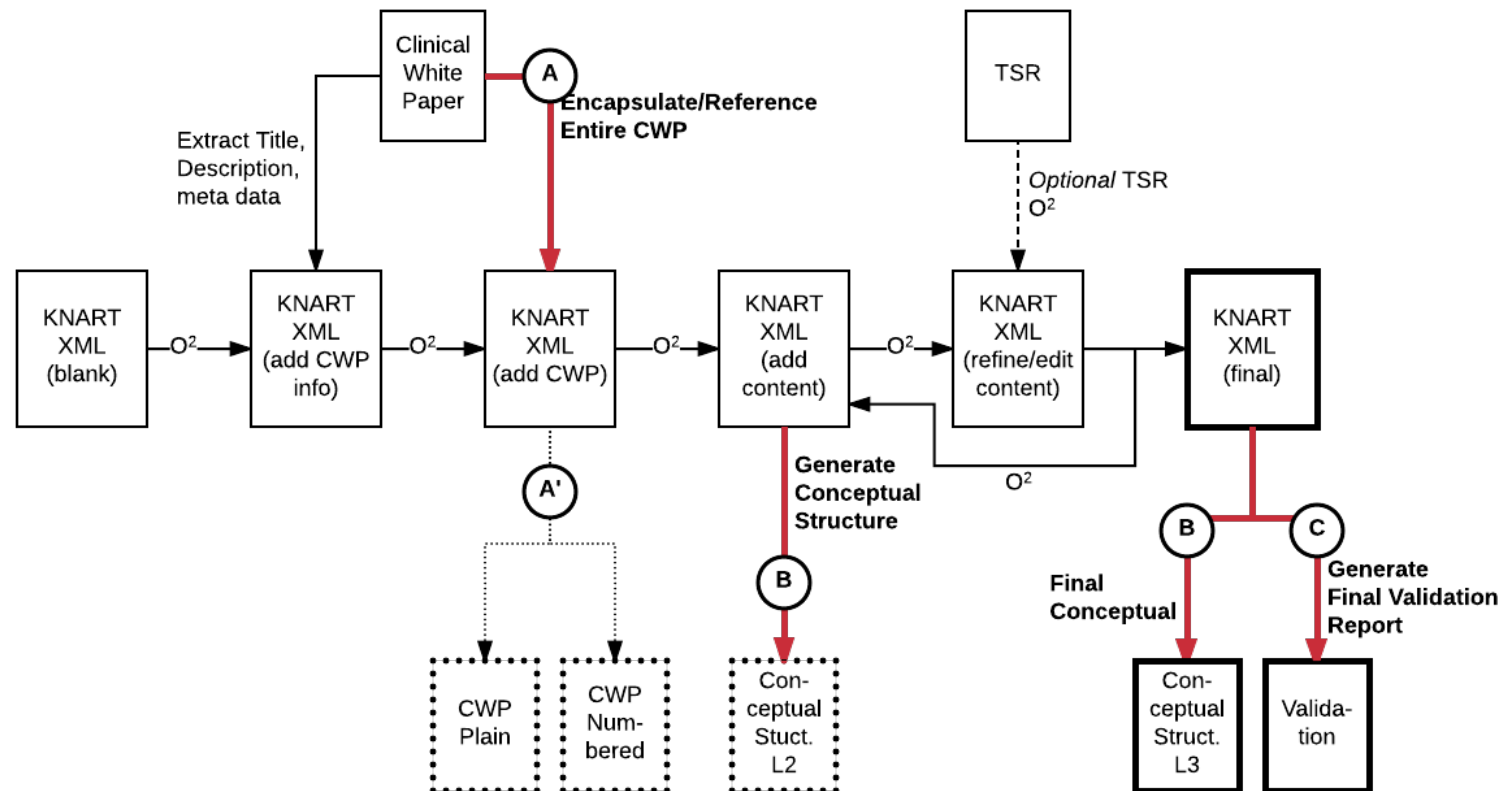
Authoring Workflow

Clinical Elicitation

Kostabi, M. Upheaval. (1994).

- Subject Matter Experts meet
- Harmonization
- Yields a "Clinical Content White Paper"

Authoring

Review of KNART and Conceptual Structure
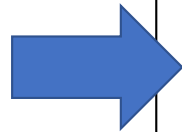

Kostabi, M. Upheaval. (1994).

- Subject Matter Experts meet
- Evaluate Conceptual Structure
- Hopefully approve
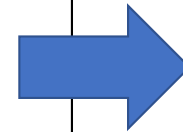
Questions?

KNART Project Goals

- Gather Clinical Knowledge
  - Cardiology
  - Endocrinology
  - Women's Health
  - Rheumatology
  - Ophthalmology
  - Mental Health
  - Gastroenterology

Harmonize with Commercial Content

Create 100+ KNARTS