Workshop on semantic interoperability prerequisites for efficient e-health systems.

*How to coordinate terminology standards and ontology: case study ANATOMY/FMA.*

A cross fertilisation approach

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From enhancement of UMLS to a domain ontology of the concepts and relationships...human body (Cornelius Rosse)
Extended Structure of Biological Entity classification

- Biological Entity
  - Biological Occurants (processes, events, actions)
  - Biological Continuants
    - Independent Biological Continuant (FMA: Material Anatomic Entity)
    - Dependent Biological Continuant (FMA: Immaterial Anatomical entity – point, space, surface, line)
    - Dependent Physiological Continuant (function)
  - Anatomic Structure (Organ system, Organ...)
  - Body Substance
Future directions of FMA of Relevance to EHR

Membership of Open Biological Ontologies

Relevance:
Providing mechanisms for recording patient data useful for Clinical Bioinformatics

Ontology server for Radiology Information Systems

Relevance:
Indexing and Querying PACS; Terminology sources For DICOM standard (interested vendors)
Future directions of FMA of Relevance to EHR

Terminology source for natural language processing

Relevance: Querying and categorization of patient records

Anatomical basis for carcinoma classifications and staging

Relevance: Relating anatomical entities within TNM staging which are not directly mentioned in EHR but can be derived
END

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