

Status of RadLex Project



- Anatomy meetings were held this fall
 - Draft anatomic terms available on RadLex web site (http://www.rsna.org/radlex) now
 - Meetings winter/spring 2006 to consider findings and pathology terms
 - Public comment summer/fall 2006
 - Release of RadLex 1.0 at RSNA 2006

RadLex^{*}

Top 10 Reasons...



...building biomedical imaging ontologies is challenging.

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Top 10 Reasons...



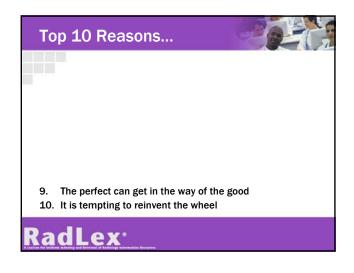
10. It is tempting to reinvent the wheel

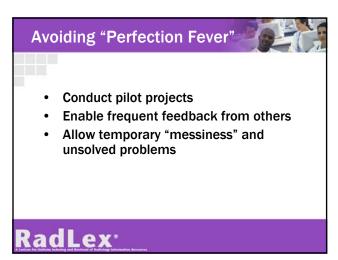
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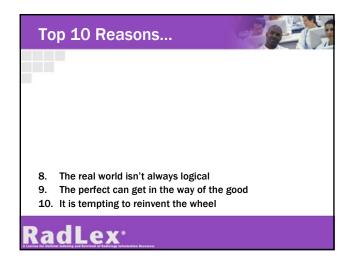
Key Collaborating Organizations

- American College of Radiology (ACR)
- DICOM
- College of American Pathologists (CAP) / SNOMED)

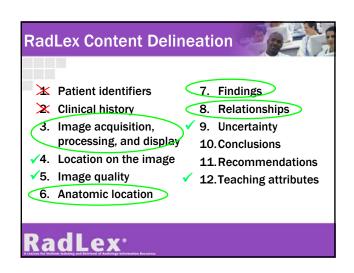
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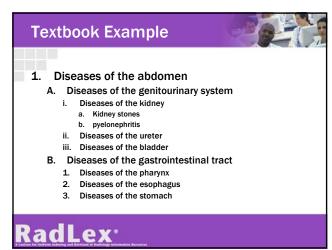


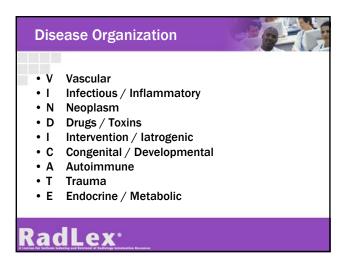


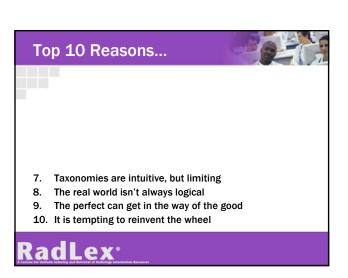


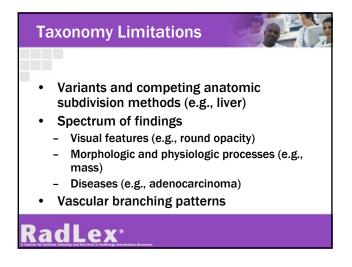


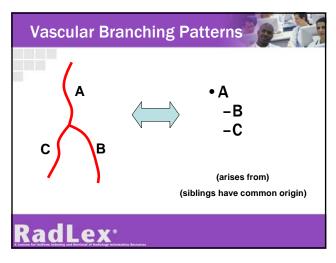


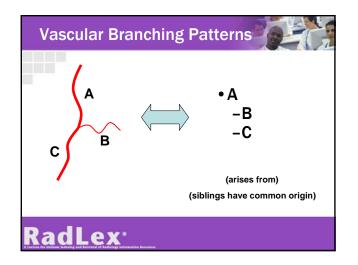


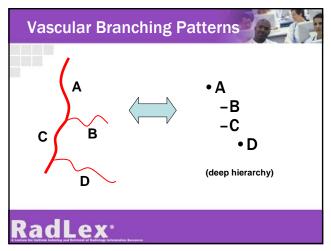


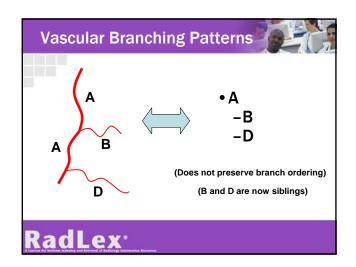


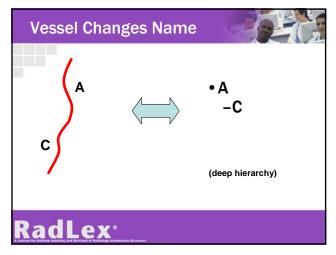


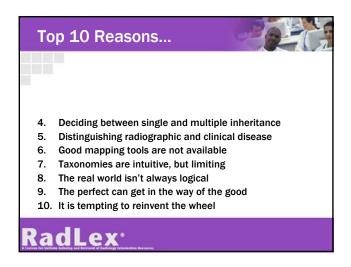


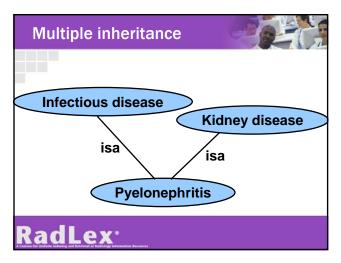


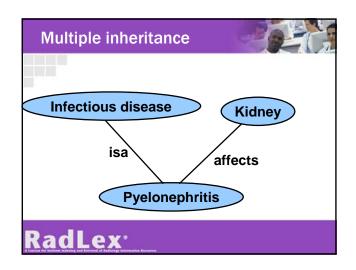




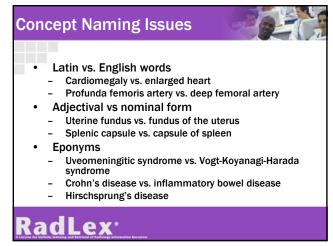












Top 10 Reasons... 2. Deciding between pre- and post-composition 3. Establishing consistent naming conventions 4. Deciding between single and multiple inheritance 5. Distinguishing radiographic and clinical disease 6. Good mapping tools are not available 7. Taxonomies are intuitive, but limiting 8. The real world isn't always logical 9. The perfect can get in the way of the good 10. It is tempting to reinvent the wheel

Pre- vs. post-composition



- Superficial flexor muscle of 2nd digit
- Tendon of superficial flexor muscle of 2nd digit
- · Sheath of tendon of superficial flexor muscle of 2nd digit

What about the other 4 digits?

What about synonyms (e.g., index finger)?

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"Modifiers"



- Anatomic modifiers
 - General anatomic modifiers
 - (e.g., medial, lateral, left, right)
 - Anatomy-specific modifiers
 - (e.g., diaphysis, metaphysis, epiphysis)
- Finding modifiers
 - General finding modifiers
 - (e.g., mild, moderate, severe, large, small)
 - Anatomy-specific modifiers
 - (e.g., monoarticular, polyarticular)

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Top 10 Reasons...



- 1. Finding support for curation and ontology development
- 2. Deciding between pre- and post-composition
- 3. Establishing consistent naming conventions
- 4. Deciding between single and multiple inheritance
- 5. Distinguishing radiographic and clinical disease
- 6. Good mapping tools are not available
- 7. Taxonomies are intuitive, but limiting
- 8. The real world isn't always logical
- 9. The perfect can get in the way of the good
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