

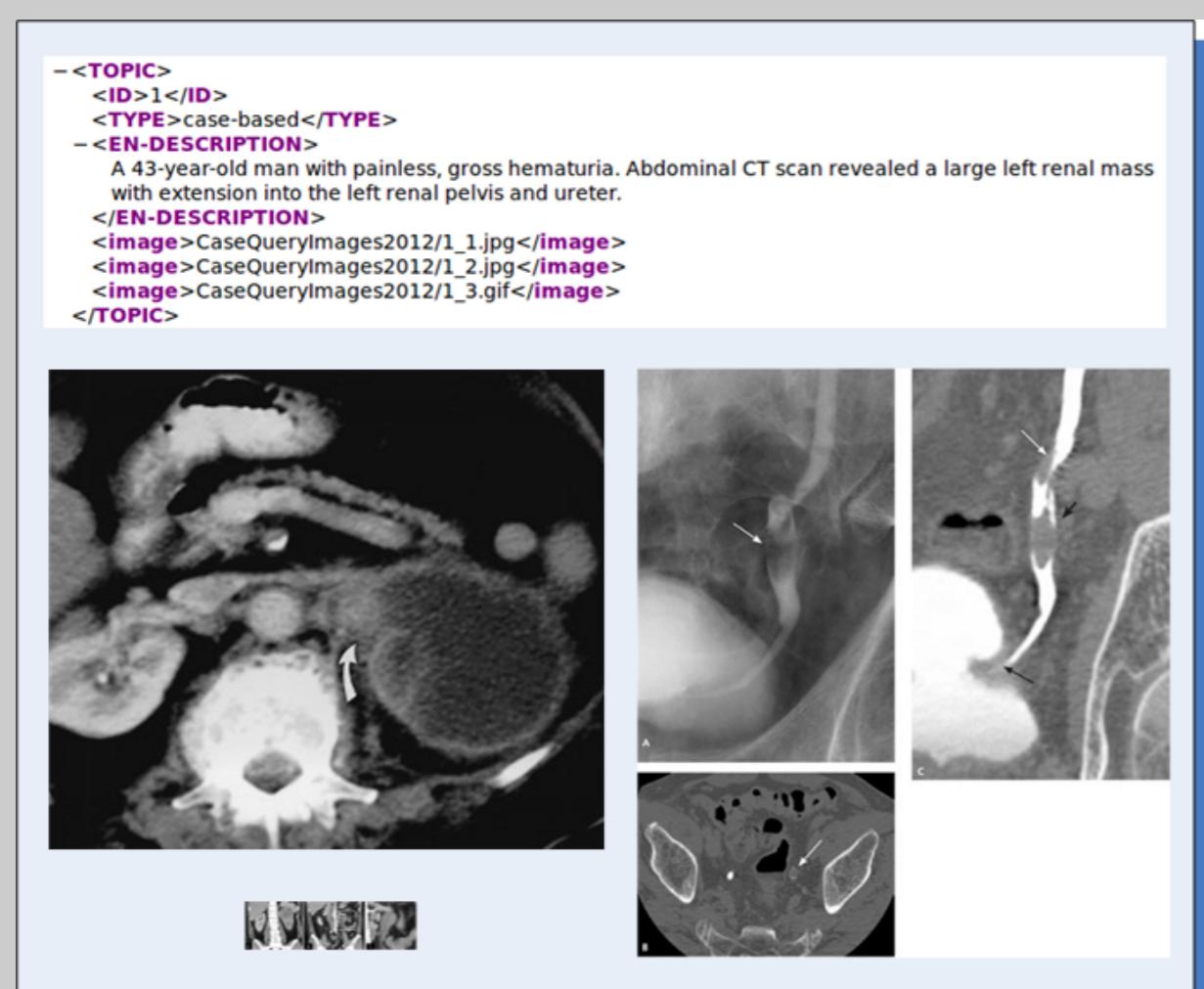


Medical Case Retrieval

Mario Taschwer

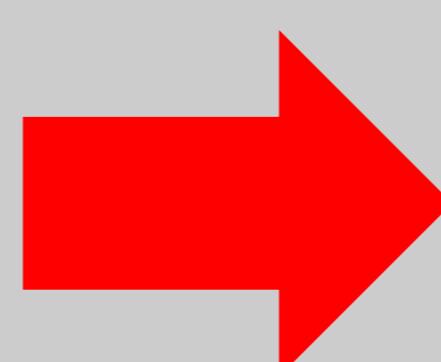
Institut für Informationstechnologie (ITEC)

Problem statement

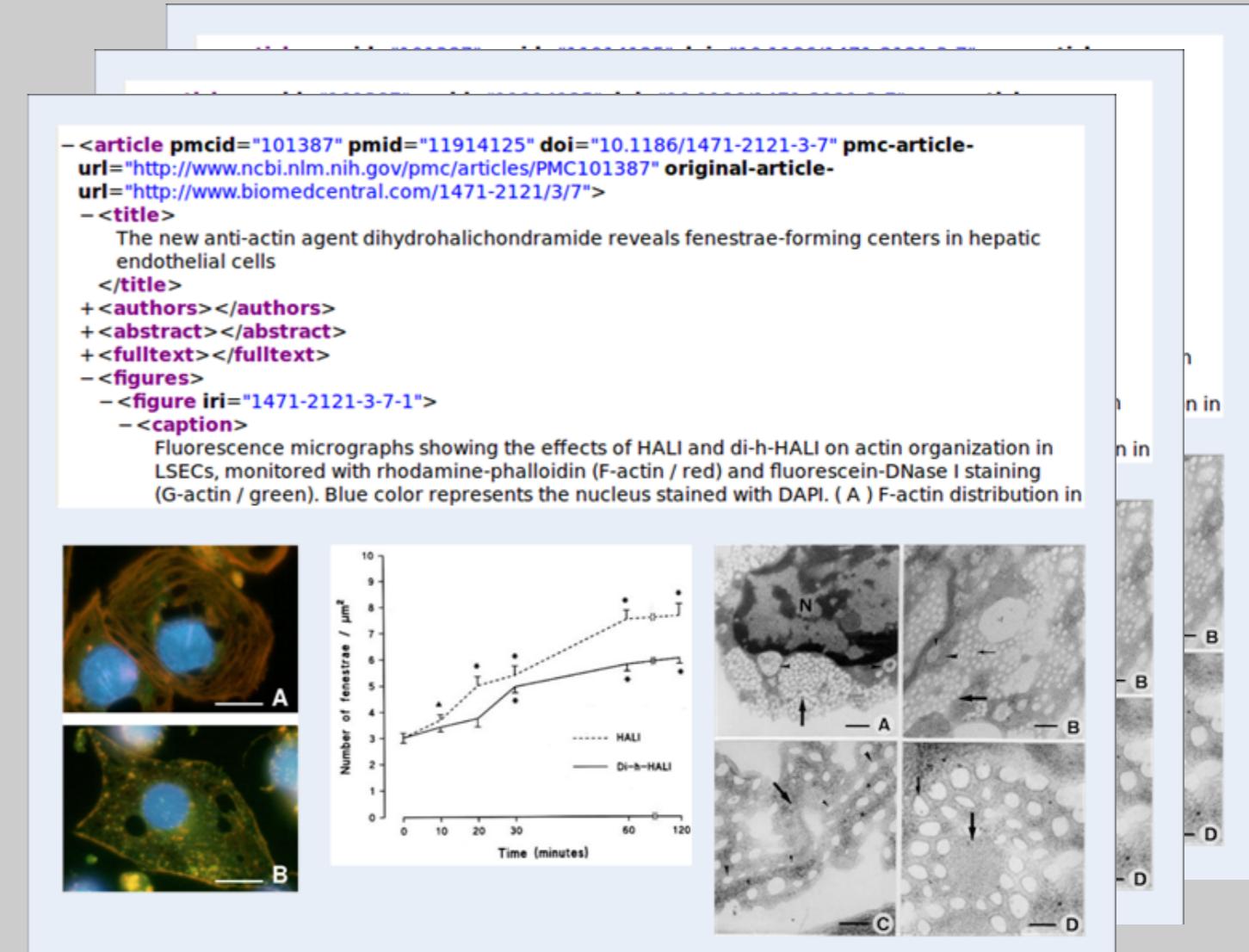


Patient's symptoms

How to find



relevant documents?

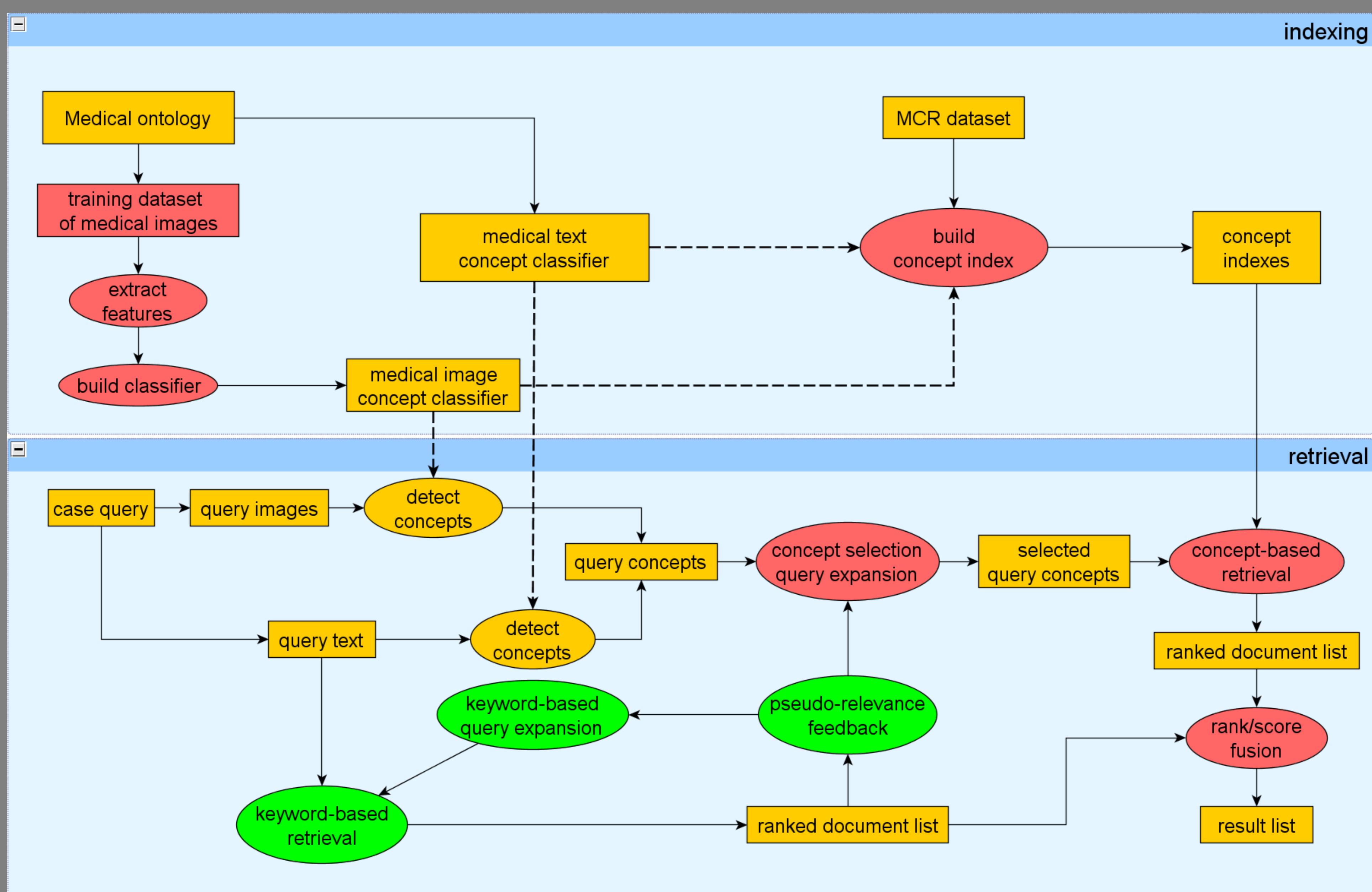


Medical publications / health records

Proposed framework

● previous work

● further work



Keyword-based retrieval ●

Acronym	Group of methods
F	fulltext search (without query expansion)
M	MeSH query expansion
F+	fulltext search with document expansion (manual MeSH annotation)
M+	MeSH query expansion with document expansion (manual MeSH annotation)
Fr*	fulltext search with pseudo-relevance feedback
Mr*	MeSH query expansion followed by pseudo-relevance feedback
Fr*+*	fulltext search with pseudo-relevance feedback and document expansion Fr+, Frm+, FraN+N, Frm2+*, Fr2+*
Mr*+*	MeSH query expansion followed by pseudo-relevance feedback with document expansion Mr+, Mrm+, MraN+N, Mrm2+*, Mr2+*

