



Evaluation of a formal quality of radiological educational resources on the web

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BACKGROUND

- **Aim:**
 - Investigate formal qualities of radiological educational resources by methodology of Rankmed
 - **Purpose:**
 - to explore differences among these websites
 - to determine trends in this field
-

METHODOLOGY

20 criteria (based on international standards)

Presentation

Speed of loading

Inner links from Homepage

Covering of the screen

Uniformity of appearance

Faults of graphics

Navigation

Number of steps

Back links

Site map

Marking of new

Highlighting of links

Function

Multi-language version

Internal search engine

Metadata

Accessibility

Availability

Credibility

Authorship

Date of publication

Date of the last updating

Dead links

Faultless of HTML code

METHODOLOGY

Relative weights of criteria were stated

Presentation	29,8%
Speed of loading	5,0%
Inner links from Homepage	7,4%
Covering of the screen	4,3%
Uniformity of appearance	5,7%
Faults of graphics	7,4%

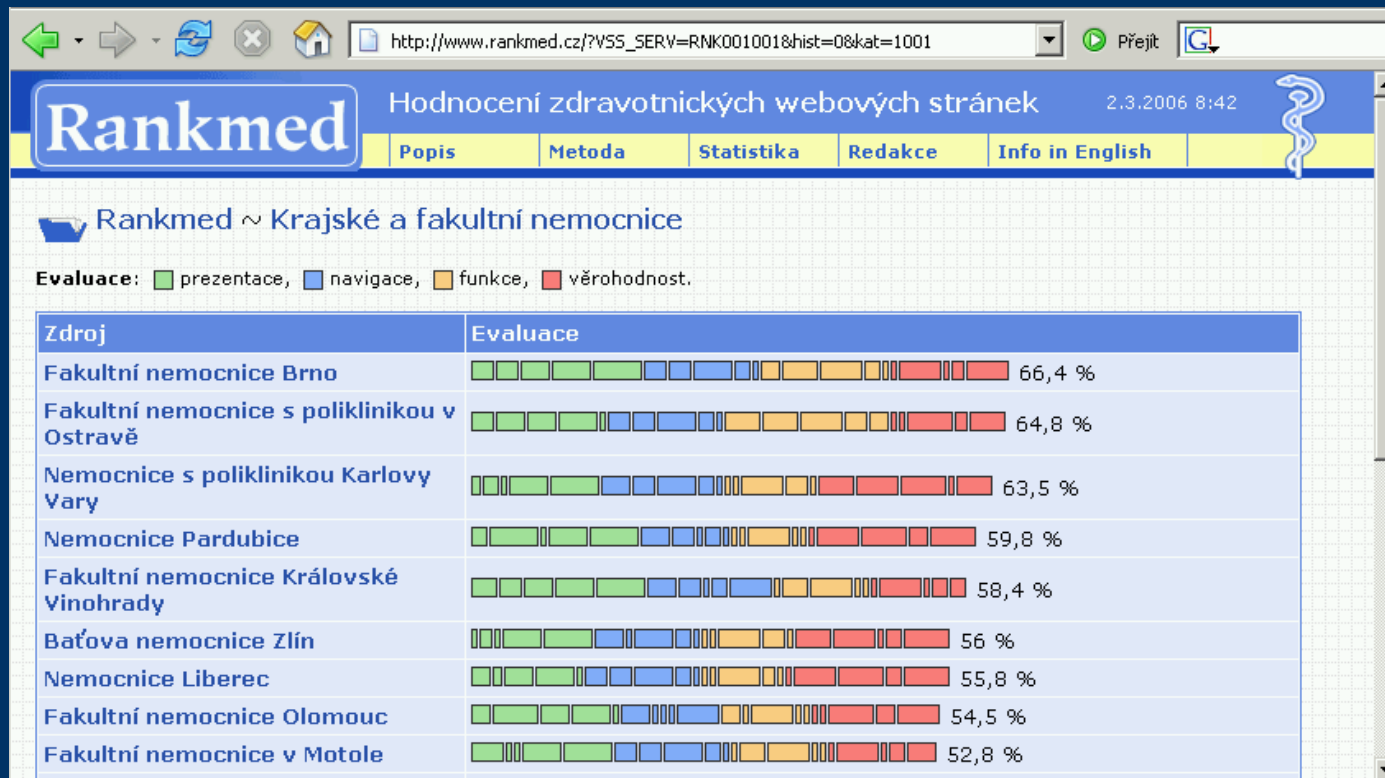
Navigation	20,7%
Number of steps	4,3%
Back links	3,1%
Site map	5,7%
Marking of new	1,5%
Highlighting of links	6,1%

Function	21,4%
Multi-language version	5,0%
Internal search engine	5,0%
Metadata	6,5%
Accessibility	3,0%
Availability	2,0%

Credibility	28,1%
Authorship	5,4%
Date of publication	6,5%
Date of the last updating	6,9%
Dead links	2,2%
Faultless of HTML code	7,2%

EVALUATION SYSTEM RANKMED

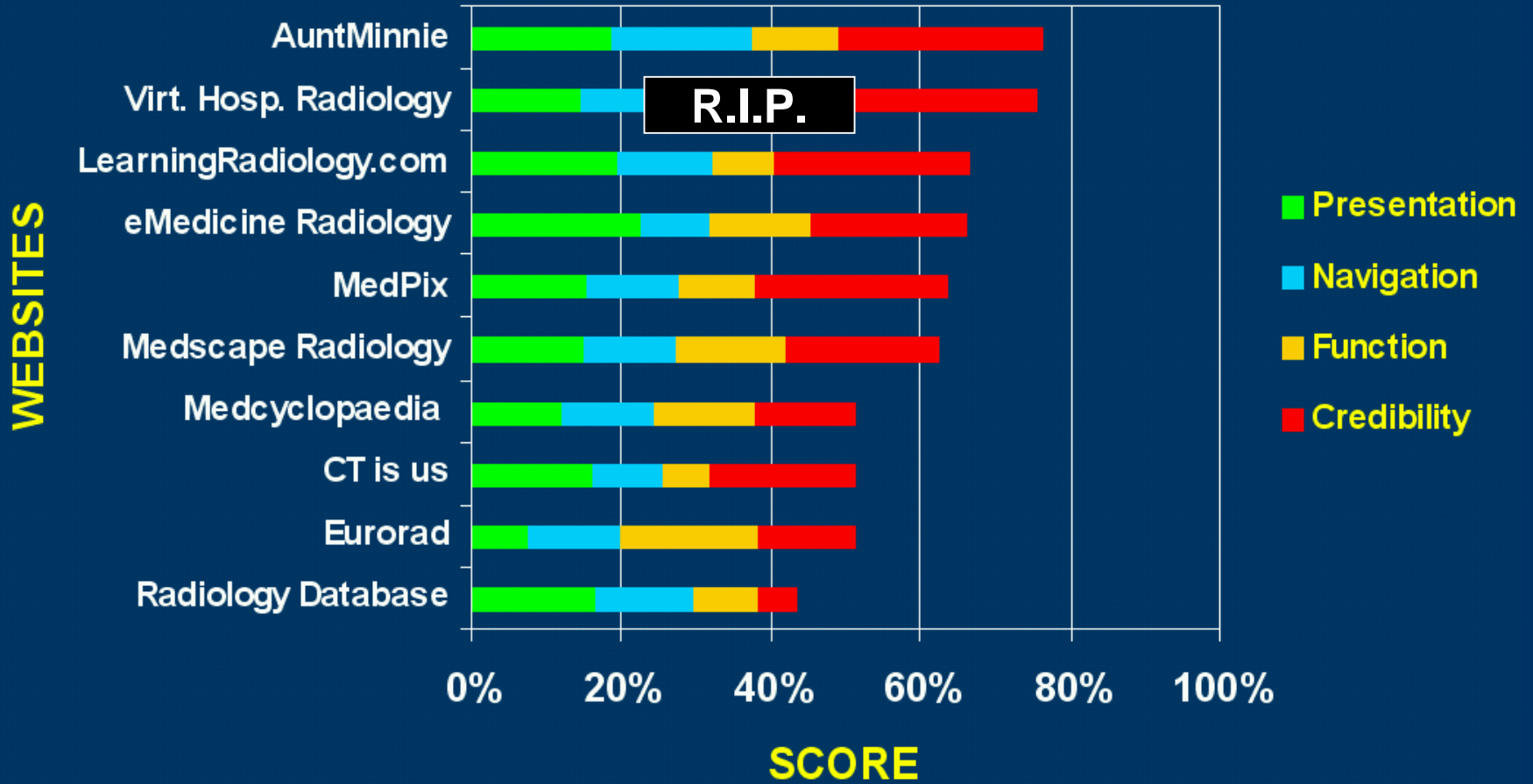
- Web based system
- 54 Czech health related websites have already been evaluated



MATERIAL

- **10 websites with radiological educational content**
- **to cover whole spectrum from complex to small websites**
 - **Portals (3)**
 - **Database of cases (2)**
 - **Online books (2)**
 - **One-man-site (2)**
- **Evaluation period: June – September, 2005**

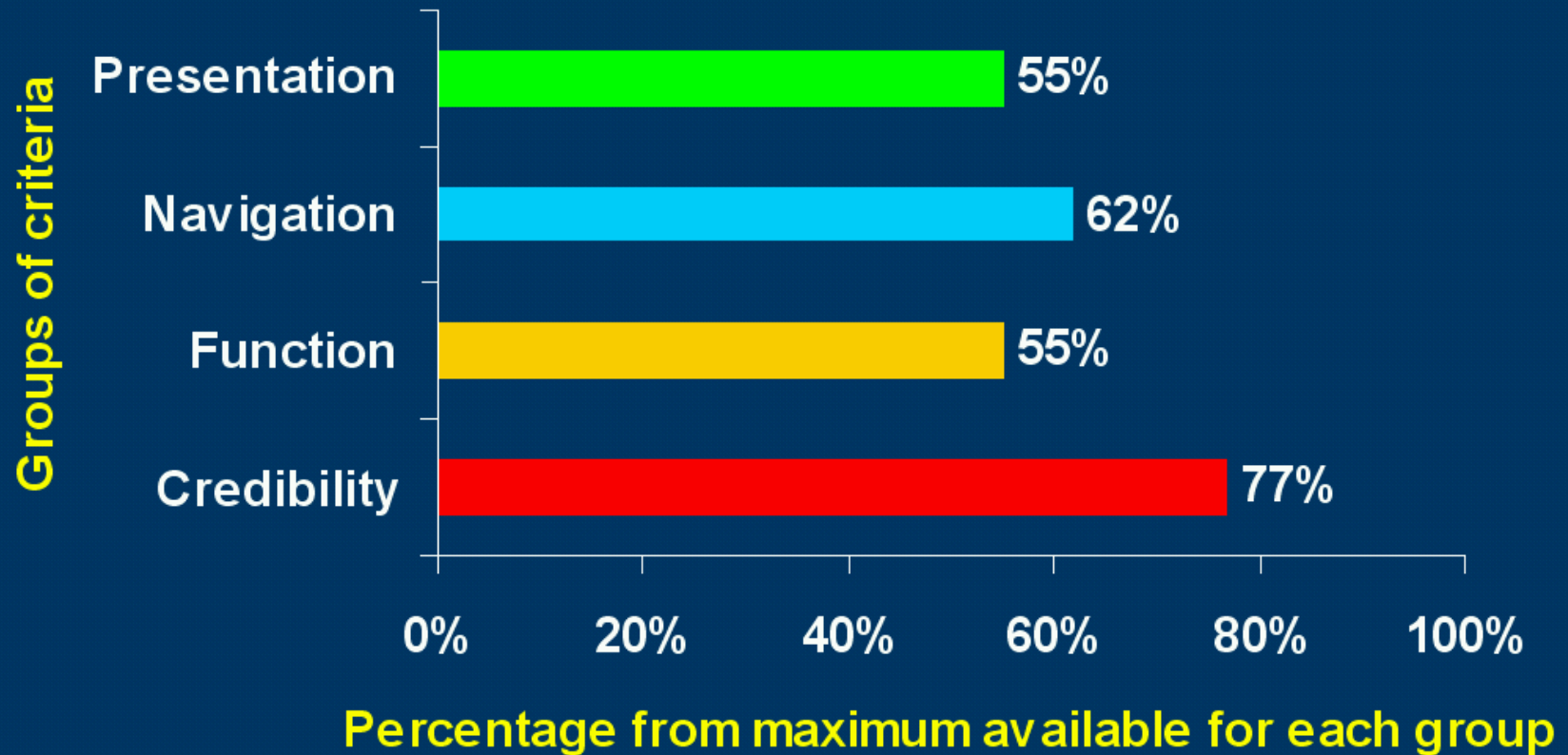
RESULTS



Overall average 56.8 % (MIN 43.5, MAX 76.5)

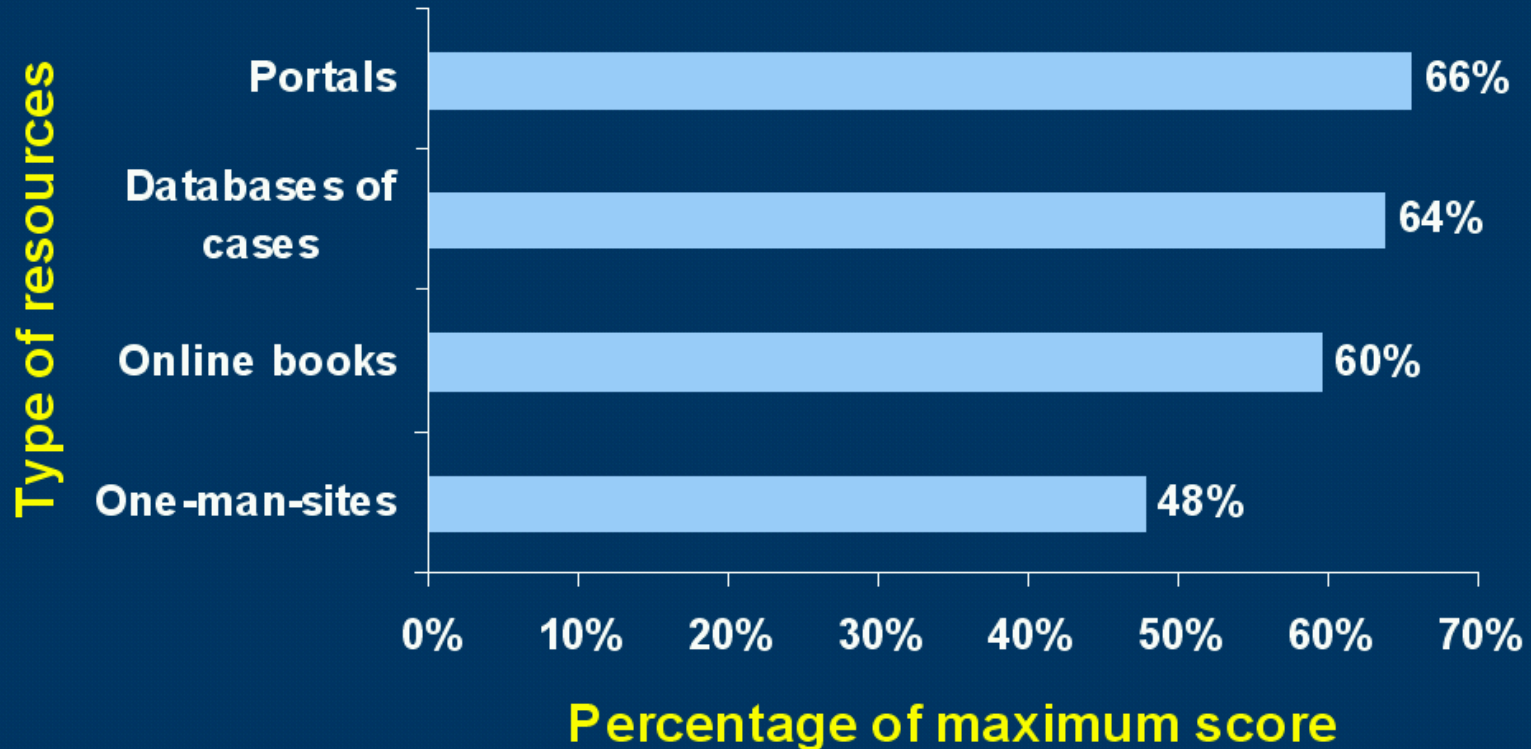
RESULTS

Average score for groups of criteria



RESULTS

Average results for particular types of resources



CONCLUSIONS

- **Presence of measurable differences of formal qualities among educational websites was confirmed**
- **Average credibility of websites was relatively high**
- **The best score was achieved by more complex websites (portals and databases of cases)**
- **Only one website is really multi-language (Eurorad)**

CONCLUSIONS

- **Drawback:**
 - **Relatively small sample**
- **Caution:**
 - **We evaluated only formal qualities**
 - **We did not evaluated medical content**



THANK YOU FOR YOUR ATTENTION

More and up-to-date information you can find at www.rankmed.cz