

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

T. Adla (1,2), P. Kasal (2), M. Hladíková (2), A. Janda (2);

(1) Clinic of Imaging Methods, Faculty Hospital Motol, Prague, Czech Republic,

(2) Institute of Medical Informatics, 2nd Medical Faculty, Charles University in Prague, Czech Republic

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**Purpose:** Expansion of using of the Internet has brought genesis of many web educational resources, including directed to radiologists. Quality of each individual website varies considerably. Aim of the study was an investigation of formal qualities among radiological educational resources.

**Methods:** Main inclusion criterion was a radiological educational content of website (whole or a considerable part). Secondly, resources were selected with respect to covering a whole spectrum of online CME resources (from big portals to one-man-sites). 10 resources were selected.

Methodology of the project *Rankmed.cz* was used for the evaluation, it is based on internationally accepted standards. Websites were evaluated by 20 criteria, which are divided into 4 groups describing main formal qualities of website - Presentation, Navigation, Functions and Credibility.

**Results:** Overall average score was 59.8 points from 100 available (MIN 38.0, MAX 76.5). Group of criteria Presentation contributed to average score with 20%, Navigation 21%, Function 23% and Credibility 36%. Average results for particular types of resources were: Portals 65.4, Databases of cases 63.8, Online books 59.5 and One-man-sites 47.7 points.

**Conclusion:** Hypothesis of presence of measurable quality differences among tested websites was confirmed. Surprisingly the average Credibility of websites was relatively high (makes more than one third from average score). Difficultness of creating websites and keeping them up-to-date is evident - the best score was achieved by websites which are provided by professional teams, contrary to one-man-sites and websites provided by small groups.