


Introduction

 Slika/animacija nečega što ljudi neće odmah prepoznati

 Pitanje: što je to?




Introduction

 Slika/animacija nečega što se može prepoznati

 Što je to?



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 Što je to?



Catalog of the links with animations, 2D, 3D and endoscopic images of the individual systems and organs in the virtual anatomy atlas of the human body

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About the authors

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She is participating in the project "Application of computers in studies and teaching of history".


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Introduction

 «A picture is worth thousand words»

 A goal of this study is to help the users (primarily the students of biology, medicine and anatomy) to get an insight into the organs and systems of the human body

 Usage of virtual anatomy atlas, in comparison to a classic «paper-made» atlas has numerous advantages. Organs and systems can be viewed from different perspectives, they can also be magnified and minimized. Typically, the systems are shown in one layer that can be highlighted (by different colors, or by disproportional magnification), while the other layers can be hidden or made transparent.



Why not use only one web site containing a complete virtual atlas?

- Institutions simply emphasize parts of their primary interest
- using only one or two imaging tools
- Web site designed for this study will offer large number of sources that are using various tools.



Structure of the web site

- logical and intuitive
- home-page, virtual atlas is divided on 11 parts – menus - for display of the following systems and organs:



Structure of the web site



The complete body, systems and individual organs (primjer animacije)



Structure of the web site

Motoric system



Structure of the web site

 Bones and joints



Structure of the web site

 Central nervous system




Structure of the web site

 Respiratory system



Structure of the web site

 Heart and
cardiovascular
system



Structure of the web site

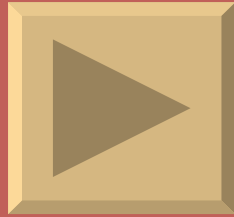


Senses of hearing
and sight



Structure of the web site

 Immune system



Structure of the web site

 DNA animations



Structure of the web site

 Endoscopic images



Structure of the web site

 Games and quiz



Overview of existing web sites and comparison with the web sites created in this study

- large number of similar web sites
- only individual organs or systems
- commercial web sites
- require an authorization
- only several major web sites that have links to the complete human body atlas



Overview of existing web sites and comparison with the web sites created in this study

<http://edtech.kennesaw.edu/web/humanbo.html>

<http://www.cln.org/index.html>

<http://spot.colorado.edu/~dubin/bookmarks/b/060.html>

<http://members.tripod.com/exworthy/anatrtn.htm>




Overview of existing web sites and comparison with the web sites created in this study


	N links	N animations	mark for animation (y-n)	Logical structured (1-5)
edtech	cca 80	few	n	1
cln	cca 5000	small	N	3
colorado	big, but small medical	small	N	4
tripod	big	small	N	2
Our catalog	hundred	almost all	almost all	5



Problems that may occur during navigation of the web pages

 mainly due to a lack of certain plug-ins (on the side of the user)


Solution to these problems is to install the plug-ins

 File size (ten or more megabytes)

“Solution” is to use internet connection that allows for faster flow of data.



Conclusion

 Web pages created in this study are unique in the world, since they contain links that are directly leading the users intuitively and logically to the animations, 2D or 3D images of the human anatomy. Although the number of links is not high, it is growing progressively.





No questions?



