

A NEW APPROACH TO EXPLORING HUMAN ANATOMY

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A NEW APPROACH TO EXPLORING HUMAN ANATOMY (Abstract): Introduction. Virtual anatomy requires a virtual human model. Virtual anatomy are applications that can view each system and structure in the human body and all bodies associated with them. Systems and structures can be studied separately or overlapping windows to highlight the links between them. For each selected system or structure, it is possible to select the angle of view, depth, and the expansion framing. Objective / purpose. A new approach to explore the human anatomy. Material and method. We explore human anatomy from head to toe and from skin to bones with some applications that show the human body in virtual terms. More dynamic than traditional anatomical charts, human anatomy includes a virtual interactive navigation window that allows us to overlap organs, bones and muscles depending on what we want. Interdependencies between the various systems that make up the body are visible. The virtual model provides a natural and unique to explore human anatomy. Results. Virtual anatomy are applications which include thousands of designs and skins which can rotate, zoom, and dissect. Virtual anatomy improves the way that students can see inside of the human body. Students can use applications in the lab course and as the home study tools. Conclusions. Virtual Anatomy is a new approach to exploring human anatomy. It looks at the human body from head to toes. It helps us to find out more about how the human body works. **Key words:** HUMAN ANATOMY, VIRTUAL ANATOMY, TEACHING ANATOMY METHODS

INTRODUCTION

Virtual anatomy requires a virtual human model. Virtual anatomy are applications that can view each system and structure in the human body and all bodies associated with them. Systems and structures can be studied separately or overlapping windows to highlight the links between them. (1) For each selected system or structure, it is possible to select the angle of view, depth, and the expansion framing. (2)

The anatomy on the cadaver bodies require that the schools of medicine to purchase by collaborating with morgues and forensic services, get bodies being used for teaching and research. The corpse can come either deceased people and no longer claim one or consent of families, especially donated to serve for teaching and research in medical schools. To conduct, practicals bodies must be conserved, preserved and stored in special conditions. For a

year, they are embalmed, dissected and preserved for use in practical classes students.(3)

Before returning to be used in classes, practically, the corpse is formalized for one year, through advanced methods, after the formalized cadaver is used for exposure and teaching students. After sitting a year for embalming, the corpse can be used for in teaching or research about 2 or 3 years. (4)

OBJECTIVE / PURPOSE

The main object of this article is to present a new approach to explore the human anatomy through the prism of development of virtual teaching and learning methods.

MATERIAL AND METHOD

Anatomy is one of the hardest materials that may seem unattractive, without which you can not understand anything in medicine, so to learn anatomy, students must learn constantly, using books of anatomy atlases of anatomy, dissection on cadavers and applications of virtual anatomy.

We explore human anatomy from head to toe and from skin to bones with some applications that show the human body in virtual terms. (5) More dynamic than traditional anatomical charts, virtual anatomy includes a virtual interactive navigation window that allows us to overlap organs, bones and muscles depending on what we want. Interdependencies between the various systems that make up the body are visible. The virtual model provides a natural and unique to explore human anatomy. (6)

RESULTS

Modern education puts us in front of new technologies and ways to teach and learn anatomy, which tend to replace classical methods, the cadaver. Comparing the effectiveness of the two methods raise the issue of the need to keep the classic conditions that allow electronic methods presenting information in an abstracted with more information easy to understand by students in their first year of study in higher education.(7)

The normal course of higher education requires a continuous improvement in performance of students from one generation to another. Developing computers for decades, allowing students access to anatomy informa-

tion anytime and anywhere, facilitating learning in comparison with the classical method books and formalized bodies. (8)

Virtual anatomy are applications which include thousands of designs and skins which can rotate, zoom, and dissect. Virtual anatomy improves the way students see inside the human body. Students can use applications in the lab course and as home study tools.

CONCLUSIONS

Virtual Anatomy is a new approach to exploring human anatomy. It looks at the human body from head to toes. It helps us to find out more about how the human body works.

Some students can hardly manage the dominated atmosphere accentuated pungent smell of formaldehyde odor emitted by the body ready to study it.

Virtual anatomy improves the way students see inside the human body because they are countless applications for virtual anatomy models include thousands of skins which can rotate, zoom, and dissect.

For best teaching and learning methods, are be indicated to combine the two methods, classical and modern, and medical faculties to pay attention to new technologies and virtual teaching anatomy.

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