Effectiveness of   CBT   Versus Cadaveric Dissection in Teaching Anatomy;

A Review of the Literature

Nisreen Rajeh   MD, PhD

Anatomy DEPT. KAU

Introduction:

- Anatomy is the cornerstone of medical education.

- For many years, anatomy learning has been dissection-based.

- In a new style anatomy teaching, many other methods introduced to medical curriculum to enhance self directed learning, such as CBT.

(Turney, 2007).

- Many investigators around the world believed that anatomy as a basic medical science can be replaced by computerized resources, which will potentially affect the outcome of the future doctors.

Hypothesis:

- Medical students learn anatomy better by introducing some computer based technology (e.g : 3D, multiple views models) beside cadaver dissection in a correct association without replacing cadaver dissection.

Methods:

- Two data bases were searched
   Pub Med and Science Direct.

- **key words**; medical anatomy, gross anatomy education- computer technology and anatomy.

Results:

- compared learning impact on knowledge of anatomy from cadaver dissection versus using computerized resources in teaching anatomy.

- The study proved that even with the use of computers in teaching anatomy, cadaveric dissection cannot be replaced.

(Biasutto.2006)

- "computers cannot lead students to the requisite reasoning that comes from investigative dissection of real tissue".

(Miller et al., 2002)

- The study concluded that dissection should remain the leading method of teaching gross anatomy beside the multi-model approach.

(Kerby, et al., 2011)

- supporting computer teaching in anatomy.

(Zhang et al., 2003)

- compared enriched multimedia e-Book with traditional methods in teaching gross anatomy of the heart and great vessels.

- The result showed that the use of e-book technology in modern anatomy is useful in conjunction with the traditional method of anatomy teaching.

(Stirling and Birt 2014),

- They concluded that Computer-based learning resources appear to have significant disadvantages compared to traditional specimens in learning nominal anatomy.

(Khot et al ., 2013)

Conclusion:

- Many researchers focused on the importance of computer based technology in teaching anatomy, however, cadaver dissection is mandatory.

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Thanks