**“Traditional versus Computer Assisted Teaching of Human Osteology: A Randomized Control Trial Study.”**

Dr Jyoti Chopra, Dr Anita Rani, Dr Archana Rani and Dr Rakesh Kumar Verma   
**Corresponding Author:** Dr Jyoti Chopra; Email id : chopra71jyoti@yahoo.co.in

Department of Anatomy, King George’s Medical University, Lucknow,UP : 941540414

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**Abstract:**

**Introduction:** Osteology teaching is effective when it is taught in small groups, but due to time constraint, shortage of trained faculty and increase in the number of intake of students, traditional teaching in small group has become challenging. Therefore, an innovative technique for teaching osteology was developed to overcome the above limitations.

**Methods:** Sony handycam with 500 optical zoom was connected directly to the LCD projector which gave a highly magnified image of bone on the screen. The teacher had freedom to move the bone as and when required and was able to emphasize the details as per need of students. First year BDS students (n=90) were randomly divided into two groups. One group was taught osteology by traditional method and other with the help of developed device by the same teacher. Total 4 tutorial classes were taken of each group. After completion of each class objective structured practical examination was conducted to assess the performance. Students’ feedback was also taken.

**Results:** It was found that performance after teaching with the help of visual aid was better and the difference was statistically significant (p=0.0204). Student’s feedback on the two methodologies of teaching revealed that students preferred traditional way of teaching.

**Key words:** computer assisted learning, human osteology, visual aid, performance

**Key notes:** Effect of visual aided teaching of human osteology on the performance of students

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