**Original article:**

**A comparative stuy: Learning in Experimental Physiology with use of live animals V/S video demonstration as learning aids in first MBBS students**

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**ABSTRACT:**

**Background:** Animals were sacrificed regularly to show experimental physiology practicals to I M.B.B.S. students. But due to certain ethical issues, ecosystem imbalance and animal right activists, there is scarcity of animals for experimental use. Hence, there is dire need to introduce a new effective alternative teaching method to replace these animal experiments.The present study was planned to find, better method amongst two methods either Video Demonstration or Live experimentation.

 **Material and Method:** The study was conducted onsmall group (40 students) of I M.B.B.S. The students were taught experimental physiology by both methods. The outcome was assessed in two ways i) By comparing student’s performance in SAQ test ii) By comparing student’s perception towards two methods by using Likert scale.

**Results :** Knowledge gain by both the methods was same ,but perception of the students towards Video Demonstration was better than Live experimentation.

**Conclusion:** Student’s response towards Video Demonstration as a novel Teaching-Learning method was excellent ,so Video Demonstration can be a useful alternative to Live experimentation for learning experimental physiology in I M.B.B.S. students.

**Key words** : Video Demonstration, Live experimentation, Experimental physiology