# Abstract

**Introduction**

Case Based Learning (CBL) is one of the new modalities used in medical education and some other fields, where trainees apply their theoretical knowledge to the real scenarios. Medical education uses the technology to advance further through, system generation of cases or scenarios.

**Methods**

Subject information is achieved through a thorough literature review where medical cases simulation relevant and contemporary articles from reputed publications are studied. Further Automated medical case generator was developed based on client server web application, in which the automated system generates scenarios or cases that could be used to enlighten the situational judgement ability of the undergraduate and post graduate medical students. Based on their experience on using the system, feasibility, system requirement, useability is gathered through a systematically prepared interviews and questioner.

**Results**

All the participants are final year medical undergraduates from different medical faculties in Sri Lanka participated in voluntary basis. Participant response rate is 100% and more than 90% in favor to adopted technology to facilitate case base learning. In this study identified lagging areas are quality and creditability of content and narrow down spectrum where we can improve in further development based on methodical evaluation.

The results showed that CBL in medical education was effective in enhancing trainees understanding on subject matter through this education process. More than 90% of students perceived that case-based learning strategies enhanced their learning and the level of effective understanding. Also, it has given adequate room to bring the theories learnt to a real practice.

**Conclusion**

CBL is a well-accepted and learners friendly contemporary teaching tool in medical educational field, that involves the clinical cases that aids the undergraduate and post graduate students to practice their theoretical earnt knowledge.


*Key words: Case-Based Learning, Teaching Tools, Medical Education, Graduate Medical Education, Medical Case Simulators.*