

EP-0.58

Dr. N. BASTE, & Dr. V. Rohokale, Dr. V. Patil
SMBT IMSRC, INDIA

**INNOVATIVE WAY OF USING HOLOGRAPHIC TELEPRESENCE
IN HERNIA SURGERY AND HERNIA TRAINING**

An idea in its infancy

INTRODUCTION

- Holographic Type Communication (HTC) is an important technology that provides truly immersive experience for a large number of novel applications such as holographic telepresence, healthcare, retail, education, training, entertainment, sports, gaming and much more.
- By displaying multiple-view high resolution 3D holograms of humans of objects and creating multi sensory media
- This technology will provide real time visualisation of anatomy wherever needed.

MATERIALS AND METHODS

- Role in hernia surgery- using holographic telepresence and telecommunication a surgery can be performed remotely by and surgeon under guidance of senior faculty located elsewhere by creating 3D anatomical view of actual intra-operative picture
- Role in hernia training- Hernia training, simulations and even conference presentations can be given remotely from one place to another with the help of 3D anatomy holographic models

AIM

Aim of this paper is to introduce and establish the role of Holographic telepresence in hernia surgery and training

CONCLUSION

- It is an emerging technology than will enable remote surgeries and presentations.
- Since the idea is still under development future applications as well as benefits are to be seen but well anticipated.

