

# Effectiveness of E-learning Module to Supplement Paediatric Internship Training

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**Background:** Structured E-learning module for paediatric clerkship exists in many western countries eg COMSEP CLIPP cases and their effectiveness have been well established.

In India such modules are not widely available nor assessed.

**Aims And Objectives :**

Creation and implementation of e-learning module in pediatrics for interns.

Assess the effectiveness of the e-learning module and collect feedback from students.

**Methods:** E-learning module was created on fifteen important practical topics and skills and consisted of narrated presentations, procedural videos, written materials. The lesson material was uploaded in google classroom.

Hundred interns attending paediatric posting were divided randomly into two groups. Group A completed the e-learning module in addition to regular paediatrics postings during the first 15days. Group B underwent only regular training and served as control group. E-learning module was administered to group B after 15 days of posting once study data are collected . Pretest and post-test and feedback were obtained from both the groups and statistically analyzed.

**Results:** Baseline scores obtained by both the groups were comparable (Group A 9.44 + 2.34 vs Group B 9.04 + 1.96 , P=0.3564). But post test scores were significantly different between the groups (Group A 13.04 + 3.32 vs Group B 9.7 + 1.79 , P<0.0001). Regarding feedback about satisfaction the mean score obtained in five-point Likert scale by the fifty students who underwent the module was 4.4.

**Discussion:** Our findings show that a self-study online module can improve students' knowledge in paediatrics during internship.

**Keywords:** E-learning, Paediatrics, Mean score

## References

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