INITIAL VALIDATION OF A LOW-COST MODEL FOR TRAINING RETROCECAL MIS APPENDECTOMY

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Introduction: - Laparoscopic appendectomy is one of the most common general surgical operation frequently performed by junior residents.

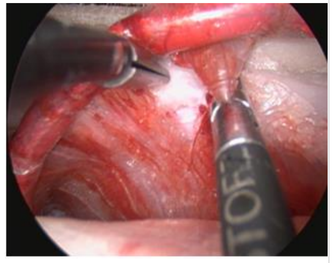
- Training programs using inanimate bench models have been proven to contribute to the acquisition of skills to perform laparoscopic procedures

Aim: Show the initial results of a validation of a low-cost model to train retrocecal MIS appendectomy

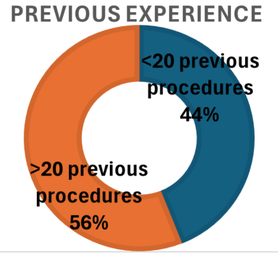


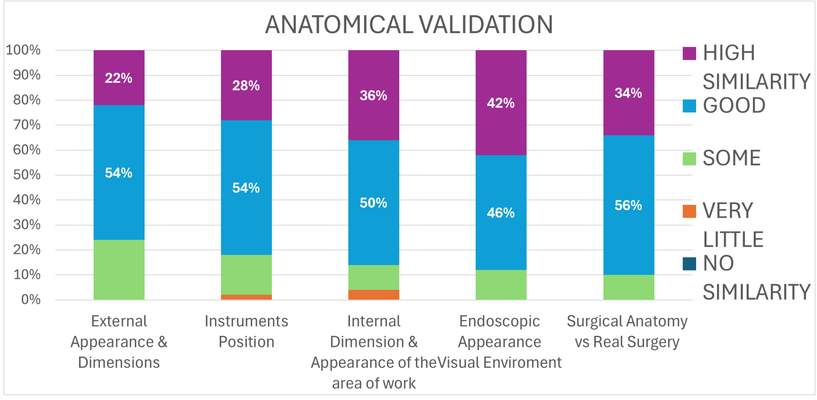
Materials and methods: A low-cost model was developed. The students used a Likert type scale to evaluate:

-Previous experience: < >20 previous procedures
-External appearance and dimensions.
-Instrument position.
-Internal dimension and working area.
-Appearance of the endoscopic view and surgical anatomy
-Trocar placement, use of the camera and instruments
-Dissection and ligation of the structure.
-Bagging and exteriorization of the piece.



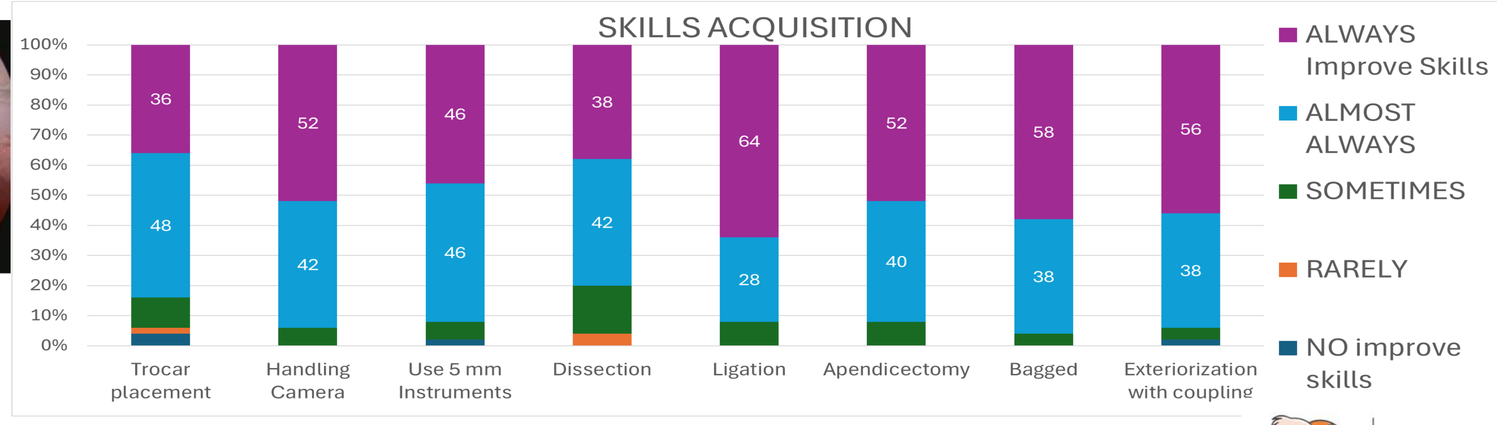
Results: n=50





> 75% considered the model to be good or of high degree of similarity

> 80% reported good or very good improvement in improved their skills



Conclusions: Initial evaluation suggests that this model is a useful tool for training essential and advanced skills valued by participants with different levels of experience. The model in the simulation-based surgical education curriculum for pediatric surgeons would improve the learning curve, reduce complications and surgical times, which should be demonstrated in future studies.

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