ALL-SAFE / Overview

Contents
1 ALL-SAFE Overview
2 Goals
3 Learning Objectives
4 Accessibility
5 Innovation
6 Pilot Testing / Evaluation
7 Collaborations and Funding

ALL-SAFE Overview

ALL-SAFE - African Laparoscopic Learners for Safe Advancement for Ectopic Pregnancy

ALL-SAFE will allow surgeons to become confident and competent in performing all aspects of patient care (pre-, intra-, and post-operative) in the laparoscopic treatment of ectopic pregnancy in a resource-constrained setting.

Goals

1. To improve the surgeons' confidence and competence in the laparoscopic management of ectopic pregnancy
2. To support the development of basic cognitive and technical skills required for the safe laparoscopic management of ectopic pregnancy
3. To provide surgeons with standardized educational content on the laparoscopic management of ectopic pregnancy to assist in development of relevant clinical judgment
4. To provide a formative assessment framework and objective quantifiable measures to assess knowledge, judgment, and manual skills in the laparoscopic management of ectopic pregnancy
5. To promote collaboration between countries of diverse resource levels to provide a low-cost, open source, portable educational and assessment framework to improve quality of surgical care

This course is organized into four components.
Learning Objectives

Our team has created a comprehensive list of learning objectives for our learners. Please see the document below on how our platform meets these specific learning objectives.

- PDF of learning objectives and how we meet them

Accessibility

This course is available to any interested surgical learner. The entire module is available through open-source learning on the web. Users do need a unique identifier that they obtain through email signup to track their own learning, but the generation and assignment of the unique identifier is automatic and instantaneous. The materials that are needed to build the box trainer and ectopic model are universally available. The only pieces of technology that the learner needs are a cellphone and a computer which are generally available or available in the hospital setting.

There are two ways to access our content:

1. www.allsafe.education (Recommended) – our entire platform has been created and run through a separate online, freely accessible site.
All learners can instantly create an account and get access to our entire platform without any delays or fees using the URL above.

For Judges, use the same link, but please click on Demo Version when you register. This demo course will allow you to freely navigate through the modules, repeat modules, and repeat quizzes. In addition, you will not be required to submit a video or review videos in order to complete the course. We have created this demo course so that you are able to see all our content on the native platform.

2. Appropedia - this is specifically geared for Global Surgery Training Challenge judges. We will provide a surrogate experience of our platform through screengrab videos and background information on our project and its projected scope. You will be able to see most cognitive and psychomotor components on appropedia; however, a learner will not be able to do step 5 (assessment) through appropedia.

Keep scrolling below to navigate to these pages, or use our Syllabus on the right.

**Innovation**

- The learning content captured in a full clinical case
- The learner practices psychomotor skills in a box they can built themselves, performing actual technical components of the operation
- Box trainer utilizes a resource common to most - cellphone - for video capture
- Skills and techniques based on equipment and technology that would be available in low-resource setting
- ALL-SAFE is ready for immediate use

For the GSTC judges, to learn about how our modules are innovative, please click here.
Pilot Testing / Evaluation

Pilot testing has led to improvements in all aspects of the module.

As you go through these appropedia modules, you will see result reports from multiple studies and pilots that were used to guide the development of ALL-SAFE and test our platform.

All components of the module were tested for reproducibility. Volunteers from all sites naïve to the project completed both the cognitive and the psychomotor aspects of the module. For the cognitive portion, we evaluated the directions for use and access and usability of our web platform for the case scenario. Regarding reproducibility of the simulator, we had volunteers naïve to the project from all pilot sites use the instructions to construct the box trainer and simulation, rating the clarity of the instructions, ease of the construction, and time to build. The instructions were modified after each participating site confirmed clarity and ease of use. We additionally evaluated the sites’ internet connectivity and ease of access to the web-based program to ensure adequate access to the program. Volunteers successfully performed all components of the psychomotor testing including video upload, video review, and checklist verification. Feedback for improvement was incorporated into later iterations.

For the GSTC judges, to learn learn more about our evaluation process, please click here.

To see the evaluation protocol, please click here.

Collaborations and Funding

This effort is a collaboration of members from the Pan-African Academy of Christian Surgeons (PAACS), the College of Surgeons in East, Central, and Southern Africa (COSECSA), the University of Michigan, Southern Illinois University, Soddo Christian Hospital, Mbingo Baptist Hospital, and AIC Kijabe Hospital. Funding for this study has been provided by the Global Surgical Training Challenge.

Continue Tour

Back to ALL-SAFE Homepage