

# ALEX

## The First Patient Communication Simulator (PCS)

### Sole Source Justification

Nasco Healthcare, the company behind Simulaids, is the sole manufacturer of ALEX: The Patient Communication Simulator (PCS), a full-bodied patient simulator with advanced communication skills, patent pending. ALEX is designed for meeting high-level healthcare simulation goals and educational learning objectives, building expertise in healthcare decision making, conducting foundational clinical interviews, and CPR training and assessment.

ALEX offers the following unique features that sets the PCS apart from other patient simulators:

#### Eyesight

- The IrisCam™ streams high definition, low latency video from the right eye which can provide remote viewing and reviewing capability.
- Experience the patient perspective through the IrisCam™

#### Speech

- Three distinct ways of communication through speech.
  - A multilingual natural language speech recognition and response system (voice synthesis includes both male and female genders).
  - Text-to-speech (TTS) speech synthesis application within the simulator software interface.
  - Simulator intercom-like “push-to-talk” through VoIP within the simulator software interface.

#### Connectivity

- Can utilize wired and wireless (including guest) networks for the simulator.
- Operating device independent (does not require instructor workstation; utilizes existing hardware equipment).
- No Client Software installed. Requires no plugins or apps to be installed.
- Controlled from modern browser using HTML5 user interface.
- Responsive and scalable user interface.
- All features controllable and available from any location, bandwidth permitting.
- All communication from simulator to cloud as well as from cloud to client are encrypted using online banking level security protocols.

#### Included Accessories

- Wireless SmartScope™ delivers realistic lung, heart, and bowes sounds through any stethoscope or attached headset by using Near Field Communication (NFC) and BlueTooth™ technology.
- SmartCuff™ allows accurate blood pressure measurement, playback of Korotkoff sounds, and brachial pulse sensations using BlueTooth™ technology.
- 8” or larger Wifi tablet for simulator setup and full day simulation use.

#### Software

- Patient Authoring functionality to create new patient scenarios by customizing vitals, patient file, checklist, and all speech questions and responses. Patient Authoring includes the ability to collaborate with any Patient Communicator Simulator user.
- Simulation archive: search, locate and review past simulation sessions with physiological data trend chart, video and audio review, log and checklist data.
- SmartLog™ , a single searchable log for every simulation including physiological settings, voice transcripts, and customer entries.
- Onscreen Getting Started Guide and real-time customer support chat embedded within the simulator software interface.

#### Physical Configuration

- Choice of Medium or Light Skin Tone
- Availability of gender conversion for both male and female

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