

SPEARPOINTS POINT OF INJURY AND TRAUMA SIMULATION PROTOTYPE

Creating “true to combat” medical training simulation for Special Forces

MicroHealth played a vital role in helping ensure the success of the SPEARPOINTS prototype. The prototype enhances medical training in the prolonged field care environment by creating an austere environment for medics to train in. This allows participants to train on the processes and procedures they would otherwise never experience prior to deployment.



THE ISSUE

Prolonged Field Care is not a task that the Special Forces Medic can do alone. **While the patient is the responsibility of the medic, the entire team needs to be trained to increase the survivability of the patient.** Non-medical personnel are unaware of the procedures and tasks that may be assigned to them in a Prolonged Field Care environment. This is where SPEARPOINTS comes into play for SOCOM.

OUR IMPACT

SPEARPOINTS creates a “true to combat” training scenario that gives medics and non-medical personnel the training to increase their confidence in performing critical care tasks. To do so, the team uses a high-fidelity patient simulator.

The process can take a patient from the point of incident through triage, stabilization, prolonged field care, and on to evacuation.

This allows all members of the team to learn critical medical skills required to keep patients alive, such as how to assist with surgical procedures, track vitals, or perform nursing tasks.

SPEARPOINT’S ability to track, assess, retrain (if needed), and advise the Special Forces Medics and nonmedical members is found nowhere else in the world.

THE SET UP

- Modeled after a Special Forces Aid Station that would be found “Down Range” or in a deployed environment.
- Teams show up without bringing supplies or equipment.
- Cameras and microphones record training.
- Track and record medical procedures; document in after-action report and video replay.

THE EXPERIENCE

- Recreates remote and austere conditions for medics to train in.
- Mix of environmental conditions including audio, visual, and scent distractors to increase the difficulties associated with austere patient care.
- Instructor/Operators are Special Forces Medics who pull from decades of combat experience and training to create realistic injuries and scenarios for the team to experience.

