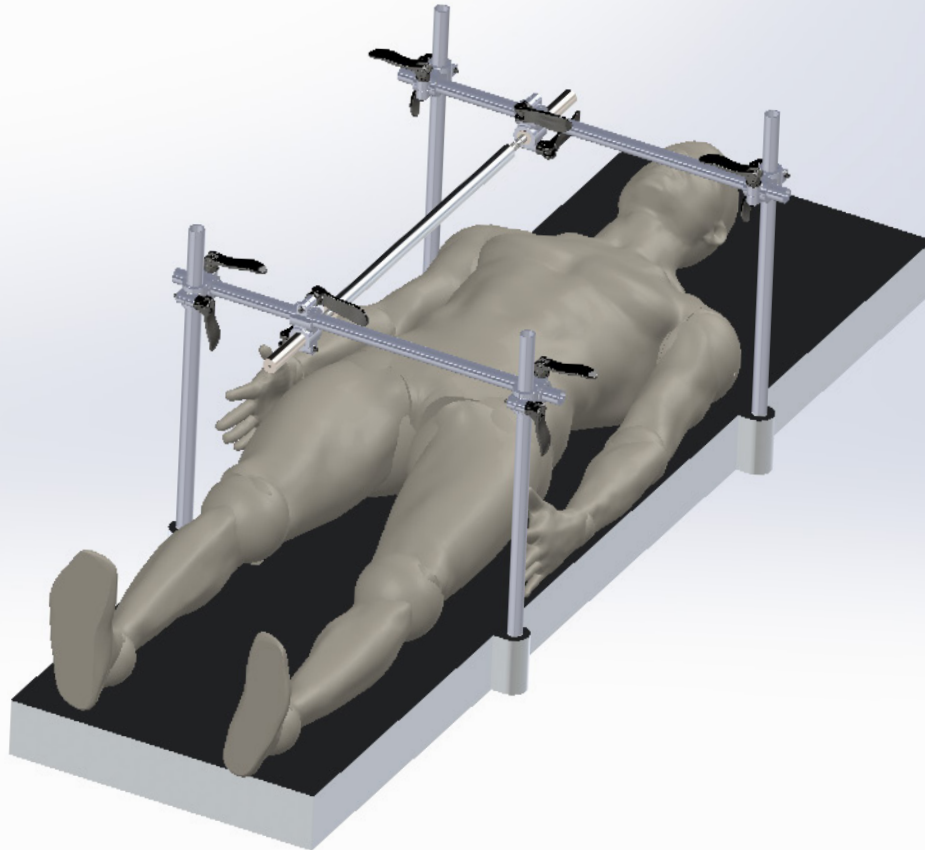


# Improved Orthopedic Surgical Frame

ALLIANCE FOR INNOVATIVE MEDICAL TECHNOLOGY – AIMTECH / TRAUMA



Surgical retraction frame that can be quickly repositioned for procedures utilizing multiple surgical windows, especially for unstable pelvic fractures. Frame designed to be radio-lucent for use with X-ray procedures without needing to be disassembled or moved.

## ■ **Technical Readiness Level**

TRL 5 (Component validation in a relevant environment)—Surgical frame made from carbon fiber components and tested in a cadaver lab.

## ■ **Competitive Advantages + Differentiation**

Requires fewer surgical technicians to manually retract tissues, potentially reducing complications due to technician retraction error and fatigue. Reduced surgical time by leaving frame in place during X-ray procedures.

## ■ **Intellectual Property Status**

Patent Application WO 2016/611837 A1.

## ■ **Inventors**

- Jason Lowe M.D., UAB Department of Orthopedic Surgery
- Alan Eberhardt, Ph.D., UAB Department of Biomedical Engineering
- Jason Lueck, Engineering, Southern Research

## ■ **Market Overview**

Estimated 7M orthopedic fractures annually (US). Pelvic fractures represent 3%-6% of all fractures, and unstable fractures represent up to 20% of all pelvic fractures. ~63k.

## PLEASE CONTACT

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