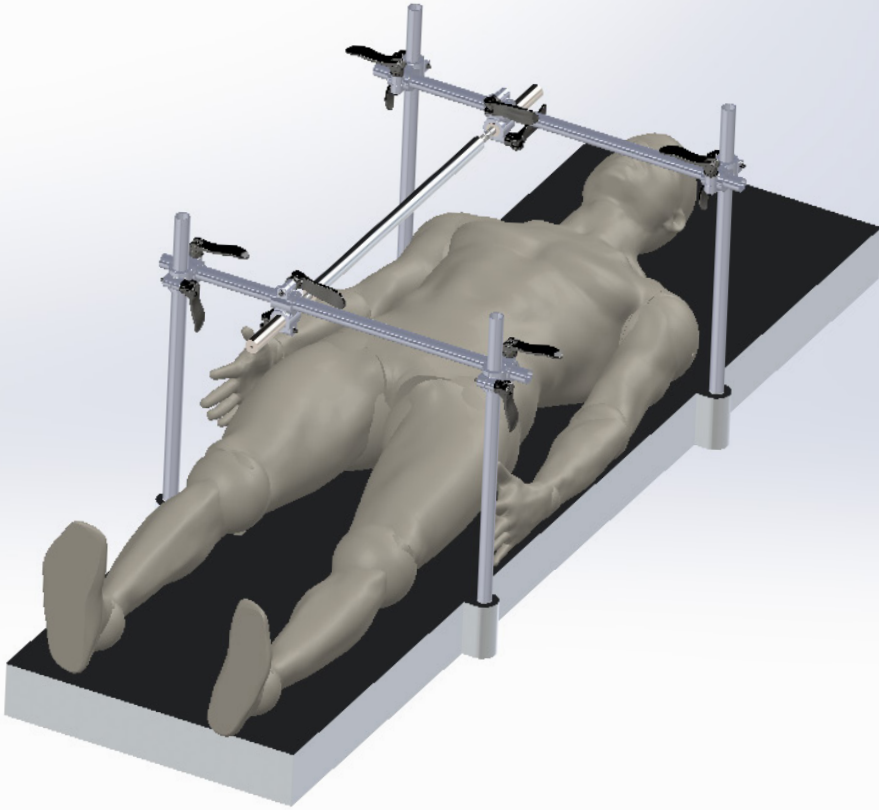


# Improved Orthopedic Surgical Frame

ALLIANCE FOR INNOVATIVE MEDICAL TECHNOLOGY / TRAUMA



## ■ *Product Description*

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 metal 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 2016/61837 A1



### PLEASE CONTACT

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## ■ **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.

## ■ **Inventors**

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## **ABOUT SOUTHERN RESEARCH**

Founded in 1941 in Birmingham, Alabama, Southern Research is a scientific and engineering research organization that conducts preclinical drug discovery and development, advanced engineering research in materials, systems development, and energy and environmental technologies research. SR supports clients and partners in the pharmaceutical, biotechnology, defense, aerospace, environmental, and energy industries.

We pursue entrepreneurial and collaborative initiatives to develop and maintain a pipeline of intellectual property and innovative technologies that contribute to the growth of the organization and positively impact real-world problems.

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Known for its innovative and interdisciplinary approach to education at both the graduate and undergraduate levels, the University of Alabama at Birmingham is an internationally renowned research university and academic medical center, as well as Alabama's largest employer, with some 23,000 employees, and has an annual economic impact exceeding \$5 billion on the state. The five pillars of UAB's mission include education, research, patient care, community service and economic development. UAB is a two-time recipient of the prestigious Center for Translational Science Award.

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