



# SHRAIL™ - the Sirkin-Hiles Rail

## Status

### Patents:

US 10,010,460  
issued 7/13/2018

US 10,898,394,  
issued 1/26/2021

**Title:** Surgical Rail  
Apparatus for Litter  
(aka SHRAIL™ and  
the Sirkin-Hiles Rail)

**Lab:** U.S. Army Medi-  
cal Materiel Develop-  
ment Activity

**Inventors:** Dr. Sirkin,  
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Jason M.

**Licensed  
Non-Exclusively  
to Morzine  
Medical LLC**

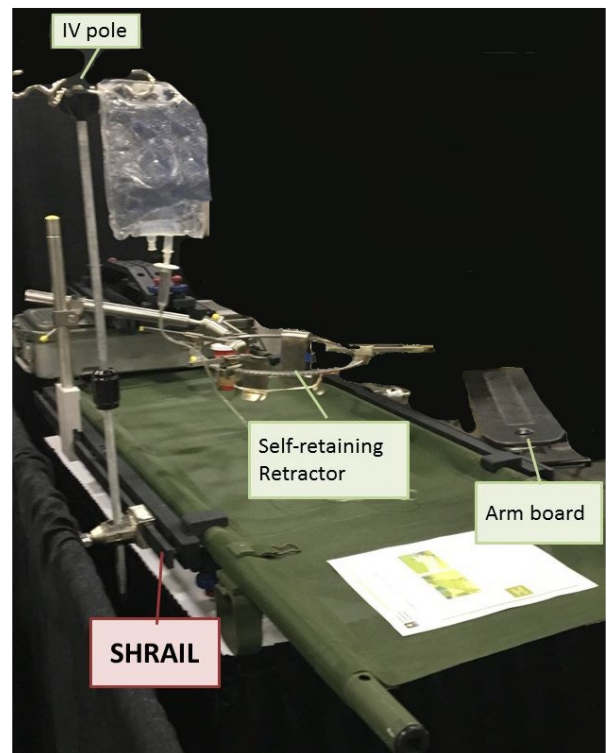
**The SHRAIL™ firmly attaches standard operating room medical devices to field litters.**

## Technology

The SHRAIL™ is a rail system that enables the transformation of a standard NATO or Army litter into a highly functional operation table or ICU bed. The rails provide a standardized means of attaching a broad range of medical devices, monitors, and products.

## Application

The Army's invention is a means to connect the rails commonly found in operating rooms to stretchers and litters, thus greatly enhancing the capabilities of the platforms by the ready attachment of a full suite of surgical equipment. The result is the ability to employ advanced capabilities in emergency, field, and transportation operations outside the traditional operating room environment.



## Benefits

- **Simple, Secure Attachment:** Provides quick, easy, and solid attachment points on a litter for medical equipment compared to improvised methods such as clamps.
- **Standardized:** Compatibility with existing NATO litter, other litters, and a multitude of existing surgical instruments.
- **Durable:** The rails are light weight, compact, corrosion resistant products that are easy to transport and store.

## Contact

