MANAGEMENT OF SEVERE RIB FRACTURES

**FLAIL CHEST OCCURS IN 5-13%** of patients with chest wall trauma¹

**WITH A MORTALITY RATE OF 10-20%** ²,³,⁴,⁵

**RIB FRACTURES PATIENTS SHOW** a prevalence of chronic pain of 22%⁶ and disability of 53%⁶

**BENEFITS OF OPERATIVE FIXATION FOR SEVERE RIB FRACTURES**

Operative fixation of flail chest injuries shows a significant reduction (p < 0.05) compared to nonoperative rib fixation⁷ in terms of

- **56%** lower risk of mortality (Risk ratio [SD] 0.44 [±0.09])
- **41%** lower risk of pneumonia (Risk ratio [SD] 0.59 [±0.10])
- **48%** lower risk of tracheotomy (Risk ratio [SD] 0.52 [±0.07])

- **3.25** less ICU days (SD ±1.29)
- **4.84** less hospital days (SD ±1.98)
- **4.57** less ventilator days (SD ±0.59)

**MatrixRIB® FIXATION SYSTEM | OPERATIVE TREATMENT RESULTS**

The MatrixRIB® System has been evaluated in **52 PUBLISHED STUDIES** involving **1,028 PATIENTS**

- **90%** of employed patients **returned to the same work at 8.5 weeks**³
- **84%** of patients had **NO PAIN at 16 months**⁹
- **Very satisfied** patients rating MatrixRIB® System as **9.2 out of 10**
- **94%** of patients would **recommend the surgery to friends/family**⁹

*Image courtesy of Mario G. Gasparri, MD at Medical College of Wisconsin, USA*
ECONOMIC IMPLICATIONS OF THE MatrixRIB® SYSTEM

Increased cost of surgery* is offset by decreased:

- **Length of stay** in both the ICU and non-ICU
- **Duration of mechanical ventilation**
- **Cost due to pneumonia**

The total potential cost savings with use of MatrixRIB® System are estimated to be

**$3.4M**

for 100 patients with flail chest.3,7,16-13**

*OR and implant costs.
**Values based on US costs from US Hospital Inpatient National Statistic.


Please also refer to the eIFU or other labeling associated with the implant identified in this brochure for a full list of indications, contraindications, precautions and warnings.