ROTOREST™ CRITICAL CARE THERAPY SYSTEM
Advanced Kinetic Therapy for the prevention and treatment of pulmonary complications in immobile patients
**Clinical Effectiveness of RotoRest™ Critical Care Therapy System**

Kinetic Therapy, the continuous, side-to-side rotation of a patient to 40° or greater, helps redistribute pulmonary blood flow to improve ventilation and perfusion matching. Over 50 clinical studies have demonstrated that this therapy prevents and treats pulmonary complications. Some of the most profound results are:

- 50% reduction in nosocomial pneumonia
- 42% reduction in ventilation time
- 37.5% reduction in ICU length of stay
- 82.3% partial or complete resolution of atelectasis
- 32% reduction in incidence of lower respiratory tract infections
- 42% reduction in ICU related expenditures
- 52% less patients developed ventilator associated pneumonia (VAP)
- Enhances mucosal drainage
- Redistribution of pulmonary blood flow to improve ventilation and perfusion matching
- Provides customized therapy
- Provides bronchopulmonary lavage
- Provides variable side pauses, up to 30 minutes on each side
- Helps manage skin microclimate to prevent pressure ulcers
- Helps mobilize secretions
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### Indications
- Treatment and prevention of pulmonary complications associated with immobility
- Thoracic or lumbar fracture
- Skeletal traction
- Cervical traction (RotoRest™ is not to be used as a primary means of stabilizing cervical spine fractures, cervical traction. Halo and vest or internal fixation is required.)

### Contraindications (percussion therapy only)
- Multiple rib fractures
- Persistent intracranial hypertension
- Bronchospasm
- Post-operative periods following cardiac surgery

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**Feature** | **Benefit**
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Advanced Kinetic Therapy up to 62° to each side (124° arc) | Redistributes pulmonary blood flow to improve ventilation and perfusion matching
Computerized rotation in 5° increments up to 62° | Provides customized therapy
Variable side pauses, up to 30 minutes on each side | Enhances mucosal drainage
Chest percussion therapy (optional) | Facilitates mobilization of secretions
GORE® Medical Fabric mattress cover | Helps manage skin microclimate to prevent pressure ulcers

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1. Choi SC, Nelson LD. Kinetic Therapy in Critically Ill Patients: Combined results based on meta-analysis. Journal of Critical Care. 1992 March;7(1):57-62. (50% reduction referenced from page 59-60. “Thus for example, the incidence of pneumonia is approximately twice higher with conventional beds compared with the KT tables. 2 times = 50% reduction)

2. Fink MP, Helmersen CA, Stein KL, Lee PC, Cohn SM. The efficacy of an oscillating bed in the prevention of lower respiratory tract infection in critically ill victims of blunt trauma. Chest. 1990 January;97:132-137. (Table 2 data: mean days intubated [7 - 4/7 = 42% reduction] / Table 2 date: ICU length of stay [8 - 5/8 = 37.5% reduction])


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For more information, call KCI toll-free at 1-800-275-4524 or visit www.kci1.com.

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**KCI Therapeutic Support Systems**

KCI RotoRest™ Critical Care Therapy System has specific indications, contraindications, safety information and instructions for use. Please consult product labeling and instructions for use prior to use.

**CAUTION:** Federal law restricts this device to sale/rental by or on the order of a physician.

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