**Clinical Evidence**

A 2007 study compared the haemodynamic performances of three IPC devices: 2

- **Kendall SCD™ Comfort System**
- **Kendall SCD™ Express System**
- **Other brands**

The results confirmed that the Kendall SCD™ Comfort System:

- Achieved more compression cycles over time.
- Increased the volume of blood per compression cycle; on average 2.3 times greater.
- Moved more blood per hour; 5.2 times greater.

The Kendall SCD™ system measures the time it takes for a patient's veins to refill with blood after being compressed. The frequency of compression cycles is based on the patient's venous refill time (20 to 60 seconds), which is re-calculated automatically every 30 minutes.

**Posterior, sequential, rapid inflation device with fixed compression cycle (PUC)**

The PUC™ system is incorporated with Kendall SCD™ Comfort System:

- **Kendall SCD™ Comfort System**
- **Kendall SCD™ Express System**

**Clinical Evidence**

- Increased the volume of blood per compression cycle; on average 2.3 times greater.
- Moved more blood per hour; 5.2 times greater.
- Achieved more compression cycles over time.

**Volume of Blood Moved (L/Hr)**

- **Kendall SCD™ Comfort System**
- **Kendall SCD™ Express System**
- **Other brands**

**Kendall SCD™ Comfort System**

- **Posterior, sequential, rapid inflation device with fixed compression cycle (PUC)**
- **Uniform, posterior system with fixed compression cycle (PSR)**
- **Rapid (PSR)**
- **PSR**

**Kendall SCD™ Express System**

- **Posterior, sequential, rapid inflation device with fixed compression cycle (PUC)**
- **Uniform, posterior system with fixed compression cycle (PSR)**
- **Rapid (PSR)**
- **PSR**

**Clinical Evidence**

- **Griffin m et al.** Sequential pneumatic compression of the legs in the prevention of venous stasis and postoperative deep venous thrombosis. *SURGERY* 1980; 87:69-76.
- **Lacut K et al.** Effectiveness of intermittent compression stockings in the prevention of pulmonary embolism after cardiac surgery. *CHEST.* 1996 Jan; 109:82-5.
The Kendall SCD™ system is clinically proven to reduce the risk of both Deep Vein Thrombosis (DVT) and Pulmonary Embolism (PE), and to improve survival in stroke patients. The system provides sustained blood flow velocity, moving more blood over time. Combining intermittent pneumatic compression (IPC) with anticoagulants has been shown to optimise patient outcomes.

**Circumferential Compression**
- Increases fibrinolytic activity
- Rapidly empties the femoral veins
- Fully collapses valve cusps, where fatal clots can form

**Sequential & Gradient Compression**
- Maximises femoral blood flow velocity
- Promotes unidirectional blood flow
- Reduces the risk of distal blood trapping

The efficacy of the Kendall SCD™ system is supported by nearly 100 clinical trials, covering almost all surgical specialties.

**Kendall SCD™ 700 Series Controller** is a compact, lightweight, easy-to-use, all-in-one controller designed to improve functionality and maximise convenience.