Description

Category: Medical Device

Invention
The invention is a simple, easy to use, and cost-effective wound care device for minimizing wound dehiscence and scar spreading by reducing tension during the wound healing process and applying the appropriate amount of mechanical force to prevent wound dehiscence. Additionally, the device allows clinicians to examine the wound without removing, disposing, and subsequently replacing the device.

Background
Current solutions to minimize wound dehiscence and scar spread do not apply the appropriate amount of tension to the wound. These devices are further limited by their duration of use, high cost, and inability for the clinician to examine the wound healing process without affecting the tension surrounding the wound as a result of removing or repositioning the device.

Advantages

• Intuitive and simple to use
• Low-cost
• Scalable to various sizes to conform to wound size, orientation, and location on body
• Adhesion to skin for up to 5 weeks
• Allows for repeated access to wound site without affecting tension or skin adhesion
• Waterproof

Status
Patent pending.