



“Comparison of bacteria and fungus-binding mesh, foam and gauze as fillers in negative pressure wound therapy – pressure transduction, wound edge contraction, microvascular blood flow and fluid retention.” (Malmsjö)

- **Objective:** Porcine based study to compare the effects of gauze, Sorbact[®], and foam under negative pressure.
- **Results:**
 - Contraction: Wound contraction was slightly greater with foam.
 - Perfusion: Foam demonstrated greatest hypoperfusion at wound edges (may be a problem for ischemic wounds).
 - Pressure transduction: Equally transmitted through all products.
 - Fluid retention: Gauze retained the most fluid.
 - Sorbact[®] has an added benefit of addressing biofilm.
- **Conclusion:**
 - Sorbact[®] offers ease of use at dressing application, reduces time associated with dressing changes and has antimicrobial properties as compared to foam.