Activated Carbon Cloth in Contact with Venous Leg Ulcer Granulation Tissue is Synergistic with Fuzzy Wale Focused Elastic Compression Therapy

**Problem**
- 76 yo with Traumatic R Leg VLU
- Scars skin
- Congestive Heart Failure with Edema
- Painful wound-intolerant of elastic compression Rx

**Treatment**
- Mechanical Debridement
- 3 layer dressing
- Activated Carbon Cloth* is added as a contact layer + 3 layer compression dressing at day #14

**Outcome**
- Activated Carbon contact layer used at day #14 results in 30% healing in 7 days
- Complete healing at 6 weeks

**Conclusion**
- Activated Carbon Cloth (ACC) in contact with granulation tissue + elastic compression therapy speeds healing of VLU
- ACC inhibits inflammation due to biofilm bacteria to improve survival of circulating epithelial cell precursors (CEPs)

*Zorflex® Active Carbon Cloth, Calgon Carbon, Tyne and Wear, UK **Actisorb® Carbon Cloth with Silver (deconstructed at bedside), Systagenix, Gatwick, UK ***EdemaWear®, Compression Dynamics, LLC, Omaha, NE

**Problem**
- Early recurrent VLU
- Recurrent VLU 3 weeks after 10 weekly clinic visits for 3 layer compression
- Senile skin

**Treatment**
- Active carbon cloth* + fuzzy wale elastic compression**

**Outcome**
- Recurrent VLU heals 80% with 2 weeks of carbon cloth* + standard layer compression

**Conclusion**
- Activated charcoal therapy appears to have enhanced effectiveness of elastic compression therapy

**Problem**
- VLU refractory to 11 weeks of advanced wound clinic Rx
- Morbid Obesity
- Sleeps sitting up to prevent apnea, Pickwickian syndrome
- Massive edema with weeping lymphoedema
- Noncompliant with CHF Rx
- Tracheostomy, pulmonary hypertension
- Thick exudant granulation tissue

**Treatment**
- Slow response to 14 weeks of 3 layer compression + Active carbon cloth* + wrapped foam compression

**Outcome**
- After 6 months of Rx activated charcoal therapy* + foam wrap compression heals VLU in 5 weeks

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