The patient presented with a non-healing post-op wound of the lower leg following triple bypass surgery. The previous treatment had been packing the wound with gauze dressing. On admission, the wound measured 0.7cm x 1.0cm and revealed 50% slough.

Protocol - The original treatment was continued for six weeks as ordered by the physician. The wound continued to be non-healing.

Five Cases of diverse wounds are presented:

Case #1: Morbidly obese diabetic with non-healing traumatic wound complicated by venous insufficiency. Wound cleansed daily, covered with collagen glycerine gel sheet* and covered with a non-adherent dressing. Healed in seventy-one days.

Case #2: Non-healing partial thickness 95% slough covered wound medial lower leg. Cleansed weekly and wound filled with collagen powder**. Four layer compression wraps applied. Healed in sixty-four days.

Case #3: Diabetic with intravenous extravasation with full thickness wound of finger with tendon exposed. Daily cleansing, wound covered with collagen glycerine sheet*. Healed in seventy days.

Case #4: Diabetic quadriplegic with Stage IV pressure ulcer of lateral foot with tendon exposed. Daily cleansing, wound covered with collagen glycerine sheet*. Healed in seventy-eight days.

Case #5: Post-operative triple by-pass with non-healing donor site. Wound cleansed daily, filled with collagen glycerine gel***, covered with foam. Healed in twenty days.

Conclusion - The collagen products were effective in stimulating rapid granulation of these non-healing wounds.

Objectives - After viewing this poster presentation the participant will be able to formulate a treatment plan utilizing an easy to use collagen or collagen glycerine product.

Rationale - The collagen product was selected after wounds failed to heal with previous treatment plans.

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Case #1:
A thirty-eight year old morbidly obese diabetic female with a one month non healing traumatic wound of the right lower leg complicated by venous insufficiency.

Photo #1: - (12/30/04) The patient presented to clinic with a one month duration partial thickness wound due to trauma. The diabetic patient's weight was 460 pounds. Previous history revealed a non healing lower leg wound requiring three months to heal. Initial assessment of the wound revealed a 75% slough filled wound measuring L1.0cm x W1.7cm with a depth of 0.1cm.

Protocol - The wound was cleansed daily with a shower, then collagen glycerine sheet* was used to cover the wound bed and covered with a non-adherent dressing. The patient was instructed to wear knee high compression stockings.

Photo #2: - (01/13/05) Two weeks later the slough had decreased to 10%. The wound measured L0.9cm x W1.2cm and no depth. At five weeks into treatment the wound measured L0.6cm x W0.6cm.

Photo #3: - (02/24/05) At six weeks into the collagen glycerine gel sheet* treatment the wound measured L0.4cm x W0.7cm.

Photo #4: - (03/18/05) Seventy-one days after initiating treatment the wound was healed with no signs of infection.

Case #2:
A seventy-one year old female with a one month non healing traumatic wound of the left lower leg with a ABI (ankle brachial index) of 1.13cm. The wound measured L2.4cm x W0.7cm with a depth of 0.6cm. Heavy serosanguinous drainage was present.

Protocol - The wound was cleansed weekly and the wound bed was covered with silver-sulfadiazine cream and collagen powder** sprinkled over to fill the wound bed and the leg was then wrapped with a four part compression wrap.

Photo #1: - (10/28/04) One week later the slough was decreased to 50% and measured L2.2cm x W0.5cm with a 1.0cm depth.

Photo #2: - (11/04/04) At three weeks into treatment the wound measured L2.6cm x W0.3cm with a depth of 0.3cm with minimal slough and 95% vascularized.

Photo #3: - (11/18/04) After sixty-four days of treatment the wound was healed.

Case #3:
A forty-eight year old diabetic with a 100% eschar covered fourth digit due to an intra-venous infiltration with resulting extravasation.

Photo #1: - (08/05/04) After four weeks of treatment the wound was slough free but with tendon exposed. The wound measured L1.5cm x W0.6cm. The protocol was continued for one week.

Photo #2: - (09/08/04) After six weeks of treatment the wound was completely covered and the wound bed was 100% vascularized.

Photo #3: - (10/28/04) The wound showed no signs of infection and continued to progress well. Six weeks after initiating the collagen glycerine sheet* the wound measured L1.1cm x W0.5cm and the tendon was completely covered and the wound bed was 100% vascularized.

Photo #4: - (11/11/04) After seven days after treatment the wound was completely healed with no infection and minimal scarring.

Case #4:
A forty-eight year old diabetic quadriplegic with a Stage IV pressure ulcer of the lateral foot with tendon exposed.

Photo #1: - (09/28/04) Initial visit on 9/28/04. The patient presented with a L1.2cm x W2.4cm eschar covered pressure ulcer of the lateral foot.

Photo #2: - (11/11/04) Following seven weeks of utilizing the glycerine gel sheet***, exposed tendon was vascularized. The wound...