

Subject: Effects of Hydrolyzed Collagen Gel Containing Polysulfated GlycosaminoGlycan on the repair of Full-Thickness Excisions in the Guinea Pig

Summary: Full thickness wounds treated daily with Hydrolyzed Collagen with 10% Polysulfated Glycosaminoglycan healed at a rate significantly greater than comparably dressed, untreated controls.

Rationale: The healing rate of full-thickness excisions is greatest during the first eight (8) days following wounding^{1,2}. During a seven (7) day interval we can study therapies which do or do not delay wound healing. We also are able to study the impact of these therapies on wound granulation tissue formation and the implications they may have on the rate of re-epithelialization.

Wound Treatment Groups: n=6

| | |
|---------|----------------------------------|
| Group 1 | Daily 0.25 ml Hycure + PSGAG |
| Group 2 | Gauze dressed untreated controls |

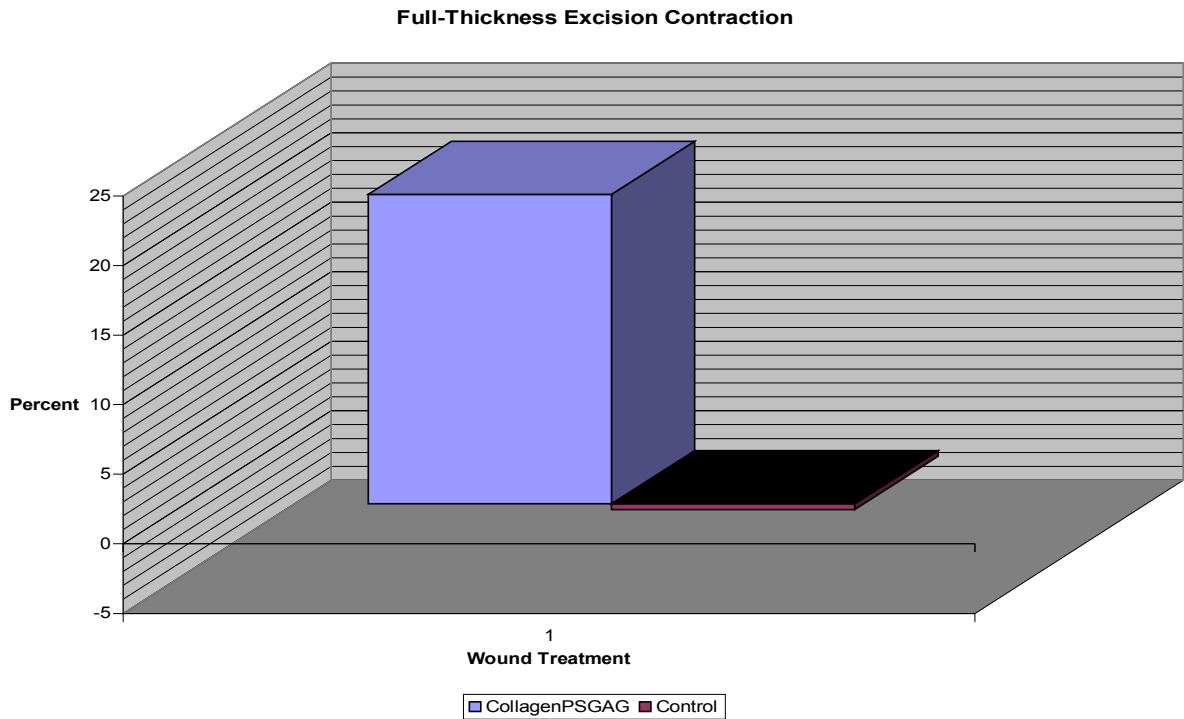
Data:

Percent Contraction at 7 days:

Hydrolyzed Collagen with PSGAG = 22.25%

Untreated Control= -0.41

Graph



¹ Linsky C.B.; Rovee D.T.; The influence of local environment on the course of wound healing in the guinea pig. Intl. Symp. Wound Healing, Rotterdam, pp.211-213 (Foundation International Co-operation in the Medical Sciences, Montreux 1974).

² Rovee D.T.; Linsky C.B.; Bothwell J.W.; Experimental models for the evaluation of wound repair; in Maibach, Animal models in dermatology, pp.253-266 (Churchill Livingston, Edinburgh 1975).