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# United States Patent [19]

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**Bentley et al.**

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[54] **WOUND DRESSING PROTOCOL  
UTILIZING COLLAGEN GELATIN FORMED  
WITH IODINE**

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**OTHER PUBLICATIONS**  
Bentley et al., *Cosmetic Dermatology* (1986) 1:89-96.

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[57] **ABSTRACT**

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A stabilized collagen gel is disclosed as are methods of making this collagen gel which is useful as a wound dressing to prevent dehydration of the subject being treated and infection of the wound. The collagen gel of the invention is stabilized by combining collagen (preferably a pharmaceutical grade collagen, which is atelo-peptide collagen), with iodine or a composition capable of generating iodine. The collagen is flowable on first mixing and undergoes a phase transition to form a stable gel with sufficient structural integrity to form a wound dressing.

[51] Int. Cl.<sup>5</sup> ..... **A01N 25/00; A01N 59/22;**  
**B01J 37/34; A61F 13/00**

[52] U.S. Cl. .... **514/5; 424/443;**  
**424/445; 424/447; 424/668; 424/669; 514/21;**  
**514/944; 514/801**

[58] Field of Search ..... **424/443, 445, 446, 447,**  
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[56] **References Cited**

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**17 Claims, No Drawings**