

# Literature Review

## Collagen (Wound Care Applications)

<b>Medication</b>	<b>Title of Article</b>	<b>Pubmed Link</b>
Oral collagen	Oral Collagen Supplementation: A Systematic Review of Dermatological Applications	<a href="https://pubmed.ncbi.nlm.nih.gov/30681787/">https://pubmed.ncbi.nlm.nih.gov/30681787/</a>
Oral collagen hydrolysate	Ingestion of bioactive collagen hydrolysates enhanced pressure ulcer healing in a randomized double-blind placebo-controlled clinical study	<a href="https://pubmed.ncbi.nlm.nih.gov/30061579/">https://pubmed.ncbi.nlm.nih.gov/30061579/</a>
Oral Collagen Peptide	Effect of high advanced-collagen tripeptide on wound healing and skin recovery after fractional photothermolysis treatment	<a href="https://pubmed.ncbi.nlm.nih.gov/25283252/">https://pubmed.ncbi.nlm.nih.gov/25283252/</a>
Collagen dressing	Comparative effectiveness of advanced wound dressings for patients with chronic venous leg ulcers: a systematic review	<a href="https://pubmed.ncbi.nlm.nih.gov/24635169/">https://pubmed.ncbi.nlm.nih.gov/24635169/</a>
Collagen dressing	A prospective, single-center, nonblinded, comparative, postmarket clinical evaluation of a bovine-derived collagen with ionic silver dressing versus a carboxymethylcellulose and ionic silver dressing for the reduction of bioburden in variable-etiology, bi	<a href="https://pubmed.ncbi.nlm.nih.gov/22517228/">https://pubmed.ncbi.nlm.nih.gov/22517228/</a>
Collagen skin substitute	Clinical trial of the temporary biosynthetic dermal skin substitute based on a collagen and hyaluronic acid named Coladerm H/HM, first part	<a href="https://pubmed.ncbi.nlm.nih.gov/23565842/">https://pubmed.ncbi.nlm.nih.gov/23565842/</a>
Collagen dressing	Biosynthetic porcine collagen dressings as an adjunct or definitive tool for the closure of scalp defects without periosteum	<a href="https://pubmed.ncbi.nlm.nih.gov/23149053/">https://pubmed.ncbi.nlm.nih.gov/23149053/</a>
Collagen dressing	Clinical trial comparing 3 different wound dressings for the management of partial-thickness skin graft donor sites	<a href="https://pubmed.ncbi.nlm.nih.gov/22011820/">https://pubmed.ncbi.nlm.nih.gov/22011820/</a>
Collagen dressing	Pilot trial of biovance collagen-based wound covering for diabetic ulcers	<a href="https://pubmed.ncbi.nlm.nih.gov/19325275/">https://pubmed.ncbi.nlm.nih.gov/19325275/</a>
Collagen dressing	Pilot trial of biovance collagen-based wound covering for diabetic ulcers	<a href="https://pubmed.ncbi.nlm.nih.gov/19325275/">https://pubmed.ncbi.nlm.nih.gov/19325275/</a>
Collagen matrix dressing	Effect of oxidised regenerated cellulose/collagen matrix on proteases in wound exudate of patients with chronic venous ulceration	<a href="https://pubmed.ncbi.nlm.nih.gov/18494625/">https://pubmed.ncbi.nlm.nih.gov/18494625/</a>
Collagen Sponge	The use of a collagen sponge/living cell composite material to treat donor sites in burn patients	<a href="https://pubmed.ncbi.nlm.nih.gov/14636761/">https://pubmed.ncbi.nlm.nih.gov/14636761/</a>
Collagen dressing	A randomized, controlled trial of Promogran (a collagen/oxidized regenerated cellulose dressing) vs standard treatment in the management of diabetic foot ulcers	<a href="https://pubmed.ncbi.nlm.nih.gov/12093340/">https://pubmed.ncbi.nlm.nih.gov/12093340/</a>
Collagen dressing	The healing properties of Promogran in venous leg ulcers	<a href="https://pubmed.ncbi.nlm.nih.gov/12430368/">https://pubmed.ncbi.nlm.nih.gov/12430368/</a>

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Collagen dressing	Collagen application for sealing of arterial puncture sites in comparison to pressure dressing: a randomized trial	<a href="https://pubmed.ncbi.nlm.nih.gov/10745612/">https://pubmed.ncbi.nlm.nih.gov/10745612/</a>
Collagen dressing	Improved healing with a collagen-alginate dressing in the chemical matricectomy	<a href="https://pubmed.ncbi.nlm.nih.gov/9770938/">https://pubmed.ncbi.nlm.nih.gov/9770938/</a>
Collagen Corneal Shield	Comparative study of a collagen corneal shield and a subconjunctival injection at the end of cataract surgery	<a href="https://pubmed.ncbi.nlm.nih.gov/8426322/">https://pubmed.ncbi.nlm.nih.gov/8426322/</a>
Oxidised regenerated cellulose (ORC)/collagen dressings	Use of oxidised regenerated cellulose/collagen dressings versus standard of care over multiple wound types: A systematic review and meta-analysis	<a href="https://pubmed.ncbi.nlm.nih.gov/34114731/">https://pubmed.ncbi.nlm.nih.gov/34114731/</a>
Collagen membrane	Collagen membranes for skin wound repair: A systematic review	<a href="https://pubmed.ncbi.nlm.nih.gov/33349104/">https://pubmed.ncbi.nlm.nih.gov/33349104/</a>
Collagen matrix dressing topical	Application of a collagen matrix dressing on a neuropathic diabetic foot ulcer: a randomised control trial	<a href="https://pubmed.ncbi.nlm.nih.gov/32160125/">https://pubmed.ncbi.nlm.nih.gov/32160125/</a>
Collagen Sponge	Randomized controlled trial on the effectiveness of absorbable collagen sponge after extraction of impacted mandibular third molar: split-mouth design	<a href="https://pubmed.ncbi.nlm.nih.gov/32183831/">https://pubmed.ncbi.nlm.nih.gov/32183831/</a>
collagen dressing topical	Assessment of Clinical Efficacy of Different Periodontal Dressing Materials on Wound Healing: A Comparative Study	<a href="https://pubmed.ncbi.nlm.nih.gov/31797844/">https://pubmed.ncbi.nlm.nih.gov/31797844/</a>
Collagen Powder Topical	A Head-to-Head Comparison of Topical Collagen Powder to Primary Closure for Acute Full-Thickness Punch Biopsy-Induced Human Wounds: An Internally Controlled Pilot Study	<a href="https://pubmed.ncbi.nlm.nih.gov/31334925/">https://pubmed.ncbi.nlm.nih.gov/31334925/</a>
collagen dressing topical	Application of platelet-rich fibrin membrane and collagen dressing as palatal bandage for wound healing: A randomized clinical control trial	<a href="https://pubmed.ncbi.nlm.nih.gov/31939365/">https://pubmed.ncbi.nlm.nih.gov/31939365/</a>
collagen dressing topical	Collagen dressing in the treatment of diabetic foot ulcer: A prospective, randomized, placebo-controlled, single-center study	<a href="https://pubmed.ncbi.nlm.nih.gov/31536746/">https://pubmed.ncbi.nlm.nih.gov/31536746/</a>
collagen Wound Conforming Matrix (WCM)	Wound Conforming Matrix Containing Purified Homogenate of Dermal Collagen Promotes Healing of Diabetic Neuropathic Foot Ulcers: Comparative Analysis Versus Standard of Care	<a href="https://pubmed.ncbi.nlm.nih.gov/31903299/">https://pubmed.ncbi.nlm.nih.gov/31903299/</a>
Collagen dressing	CICAFast: comparison of a biological dressing composed of fetal fibroblasts and keratinocytes on a split-thickness skin graft donor site versus a traditional dressing: a randomized controlled trial	<a href="https://pubmed.ncbi.nlm.nih.gov/31661012/">https://pubmed.ncbi.nlm.nih.gov/31661012/</a>

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cellulose/Collagen Matrix	Use of Oxidized Regenerated Cellulose/Collagen Matrix in Chronic Diabetic Foot Ulcers: A Systematic Review	<a href="https://pubmed.ncbi.nlm.nih.gov/29346146/">https://pubmed.ncbi.nlm.nih.gov/29346146/</a>
collagen/oxidized regenerated cellulose/silver	Randomized Controlled Trial Comparing Collagen/Oxidized Regenerated Cellulose/Silver to Standard of Care in the Management of Venous Leg Ulcers	<a href="https://pubmed.ncbi.nlm.nih.gov/28914681/">https://pubmed.ncbi.nlm.nih.gov/28914681/</a>
heterologous lyophilized collagen	Nonhealing Ulcers in Patients with Tophaceous Gout: A Systematic Review.	<a href="https://pubmed.ncbi.nlm.nih.gov/28426572/">https://pubmed.ncbi.nlm.nih.gov/28426572/</a>
Silver-Collagen dressing topical	Silver-Collagen Dressing and High-voltage, Pulsed-current Therapy for the Treatment of Chronic Full-thickness Wounds: A Case Series	<a href="https://pubmed.ncbi.nlm.nih.gov/26978858/">https://pubmed.ncbi.nlm.nih.gov/26978858/</a>
xenogeneic collagen matrix	Palatal wound healing using a xenogeneic collagen matrix - histological outcomes of a randomized controlled clinical trial	<a href="https://pubmed.ncbi.nlm.nih.gov/27616435/">https://pubmed.ncbi.nlm.nih.gov/27616435/</a>
Collagen matrix topical	The use of a collagen matrix in hard-to-heal venous leg ulcers	<a href="https://pubmed.ncbi.nlm.nih.gov/26551647/">https://pubmed.ncbi.nlm.nih.gov/26551647/</a>
collagen/cellulose topical	Prospective and randomised evaluation of the protease-modulating effect of oxidised regenerated cellulose/collagen matrix treatment in pressure sore ulcers	<a href="https://pubmed.ncbi.nlm.nih.gov/26011241/">https://pubmed.ncbi.nlm.nih.gov/26011241/</a>
Collagen skin substitute	A prospective, randomised, controlled, multi_centre comparative effectiveness study of healing using dehydrated human amnion/chorion membrane allograft, bioengineered skin substitute or standard of care for treatment of chronic lower extremity diabetic ul	<a href="https://pubmed.ncbi.nlm.nih.gov/25424146/">https://pubmed.ncbi.nlm.nih.gov/25424146/</a>
type I collagen skin substitute	Purified type I collagen wound matrix improves chronic wound healing in patients with recessive dystrophic epidermolysis bullosa	<a href="https://pubmed.ncbi.nlm.nih.gov/25557742/">https://pubmed.ncbi.nlm.nih.gov/25557742/</a>
Collagen matrix dressing	Collagen matrix wound dressings and the treatment of DFUs	<a href="https://pubmed.ncbi.nlm.nih.gov/24159659/">https://pubmed.ncbi.nlm.nih.gov/24159659/</a>
collagen/cellulose silver topical	Randomized controlled trial on collagen/oxidized regenerated cellulose/silver treatment	<a href="https://pubmed.ncbi.nlm.nih.gov/23438054/">https://pubmed.ncbi.nlm.nih.gov/23438054/</a>
Collagen dressing topical	Randomised, controlled pilot to compare collagen and foam in stagnating pressure ulcers	<a href="https://pubmed.ncbi.nlm.nih.gov/23103485/">https://pubmed.ncbi.nlm.nih.gov/23103485/</a>
bone marrow-impregnated collagen matrix	Treatment of non-healing wounds with autologous bone marrow cells, platelets, fibrin glue and collagen matrix	<a href="https://pubmed.ncbi.nlm.nih.gov/21284564/">https://pubmed.ncbi.nlm.nih.gov/21284564/</a>

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Formulated Collagen Gel	Formulated collagen gel accelerates healing rate immediately after application in patients with diabetic neuropathic foot ulcers	<a href="https://pubmed.ncbi.nlm.nih.gov/21371164/">https://pubmed.ncbi.nlm.nih.gov/21371164/</a>
Protease Inhibitor Collagen matrix	Expression of matrix-metalloproteases in the fluid of chronic diabetic foot wounds treated with a protease absorbent dressing	<a href="https://pubmed.ncbi.nlm.nih.gov/21031342/">https://pubmed.ncbi.nlm.nih.gov/21031342/</a>
platlet derived GF in bovine collagen gel	Treatment of nonhealing diabetic foot ulcers with a platelet-derived growth factor gene-activated matrix (GAM501): results of a phase 1/2 trial	<a href="https://pubmed.ncbi.nlm.nih.gov/19821960/">https://pubmed.ncbi.nlm.nih.gov/19821960/</a>
Collagen dressing topical	Monitoring the microcirculation to evaluate dressing performance in patients with venous leg ulcers	<a href="https://pubmed.ncbi.nlm.nih.gov/19349934/">https://pubmed.ncbi.nlm.nih.gov/19349934/</a>
collagen matrix with bone protein	Reduced morbidity and improved healing with bone morphogenic protein-2 in older patients with alveolar cleft defects	<a href="https://pubmed.ncbi.nlm.nih.gov/18176223/">https://pubmed.ncbi.nlm.nih.gov/18176223/</a>
collagen dressing topical	Venous leg ulcers	<a href="https://pubmed.ncbi.nlm.nih.gov/19445798/">https://pubmed.ncbi.nlm.nih.gov/19445798/</a>
fibroblast collagen sponge	Acceleration of wound healing in traumatic ulcers by absorbable collagen sponge containing recombinant basic fibroblast growth factor	<a href="https://pubmed.ncbi.nlm.nih.gov/18458383/">https://pubmed.ncbi.nlm.nih.gov/18458383/</a>
Collagen/Cellulose Topical	Some effects of a topical collagen-based matrix on the microcirculation and wound healing in patients with chronic venous leg ulcers: preliminary observations	<a href="https://pubmed.ncbi.nlm.nih.gov/16286373/">https://pubmed.ncbi.nlm.nih.gov/16286373/</a>
Collagen Topical	Healing pressure ulcers with collagen or hydrocolloid: a randomized, controlled trial	<a href="https://pubmed.ncbi.nlm.nih.gov/12558709/">https://pubmed.ncbi.nlm.nih.gov/12558709/</a>
Collagen Alginate dressing topical	Evaluation of a collagen-alginate wound dressing in the management of diabetic foot ulcers	<a href="https://pubmed.ncbi.nlm.nih.gov/9729942/">https://pubmed.ncbi.nlm.nih.gov/9729942/</a>
Collagen matrix topical	A cultured skin substitute composed of fibroblasts and keratinocytes with a collagen matrix: preliminary results of clinical trials	<a href="https://pubmed.ncbi.nlm.nih.gov/8239435/">https://pubmed.ncbi.nlm.nih.gov/8239435/</a>
Bovine Collagen sheets topical	Healing of open skin surfaces with collagen foils	<a href="https://pubmed.ncbi.nlm.nih.gov/1639583/">https://pubmed.ncbi.nlm.nih.gov/1639583/</a>
Porcine collagen membrane dressing	Porcine dermal collagen as a wound dressing for skin donor sites and deep partial skin thickness burns	<a href="https://pubmed.ncbi.nlm.nih.gov/1489500/">https://pubmed.ncbi.nlm.nih.gov/1489500/</a>
Collagen Sponge	Heterologous collagen in wound healing: a clinical study	<a href="https://pubmed.ncbi.nlm.nih.gov/1639582/">https://pubmed.ncbi.nlm.nih.gov/1639582/</a>
Collagen Dressing	"Dermodress", a new temporary skin substitute: pilot study on donor sites.	<a href="https://pubmed.ncbi.nlm.nih.gov/3516908/">https://pubmed.ncbi.nlm.nih.gov/3516908/</a>