



EDS Global Learning Conference (Nashville)



















hlers	Skin Related Clinical Features		
Classical	Soft, velvety, doughy, and hyperextensible skin; thin (atrophic) scars, especially over bony protuberances; easy bruising,		
Classical-like	Similar to mild classical type but normal scarring.		
LE Cardiac-valvular	Similar to classical type		
Vascular	Thin , translucent skin , scarring and very easy bruising		
Hypermobile	Less pronounced skin changes		
Arthrochalasia	Hyperextensible and fragile skin with atrophic scars, easy bruising		
Dermatosparaxis	Severe skin fragility, with redundant sagging skin, soft and doughy, easy bruising,		
Kyphoscoliotic	Hyperextensible skin, easy bruising, skin fragility with atrophic scars, follicular keratosis		
Brittle cornea syndrome	Soft, velvety skin, translucent skin		
Spondylodysplastic	Hyperextensible , thin translucent skin, soft and doughy. Single transverse palmar crease		
Musculocontractural	Hyperextensible and fragile skin with atrophic scars, easy bruising, wrinkled palms		
Myopathic	Soft, doughy skin with atrophic scars		
Periodontal	Pretibial hyperpigmented plaques, easy bruising, fragile skin with atrophic scars		

















































































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Jun 1	Supplement	Route	Research findings	Outcome	Reference
GLOBAL GLOBAL CONFERENCE NASHVILLE 2019	Retinoids – retinoic acid and retinols	Topically	Increase collagen gene (COL1A1 and CO3A1) expression	Helps wrinkles	Kong R et al. Journal of Cosmetic Dermatology, 2016;15, 4957
	Vitamin B complexes	Tested in cell cultures	positive effect, especially of combinations of B-complex vitamins, on keratinocyte proliferation and fibroblast migration, both of which foster wound healing	Local vitamin application could possibly benefit the physiologic wound healing process	Rembe JD et al. Adve Skin Wound Care 2018;31:225Y33
	Vitamin C	Topically Oral	Most studies have found few benefits associated with vitamin C	May possibly slow sun-related skin aging Reverses bruising if deficient ie scurvy	Pullar JM et al.Nutrients. 2017 Aug; 9(8): 866
				Reduced bleeding time in kyphoscoliotic EDS	Metabolism 1987;36:687-91
	Vitamin E	Oral		May slow skin aging, but the research is not conclusive Inconclusive for	Zussman J et al. J Am Acad Dermatol. 2010 Sep;63(3):507-25
	Collagen	oral	No evidence of benefit	neiping scars	























