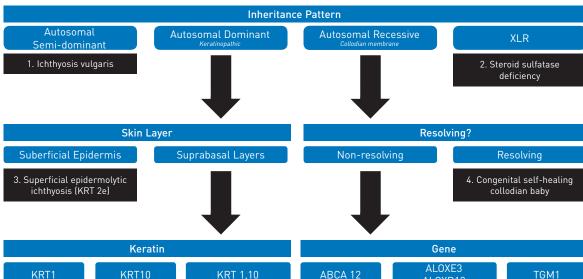
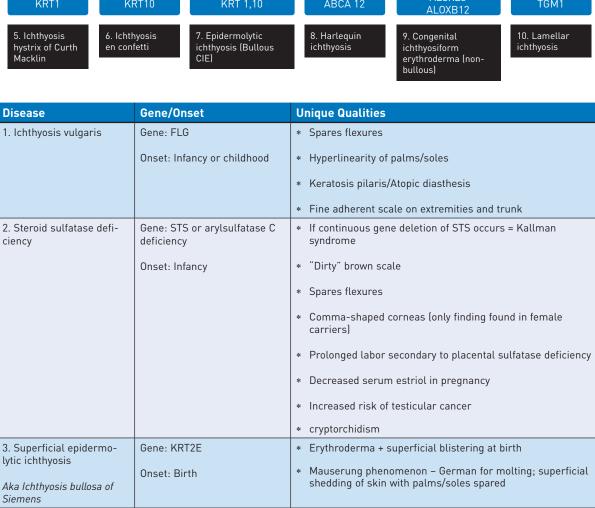
Non-syndromic ichthyoses

by Parin Pearl Rimtepathip, MD, Janna Mieko Vassantachart, MD, and Maria A. McGowan, MD

Non-syndromic Ichthyoses





* After resolution, skin appears normal



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4. Congenital self-healing

collodion baby

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Gene: TGM1, ALOXE3,

ALOXB12

Onset: Birth

Non-syndromic ichthyoses (continued)

by Parin Pearl Rimtepathip, MD, Janna Mieko Vassantachart, MD, and Maria A. McGowan, MD

Disease	Gene/Onset	Unique Qualities
5. Ichthyosis hystrix of	Gene: KRT1	* Diffuse or striate PPK
Curth Macklin Aka Ichthyosis hystrix	Onset: Early childhood	* "porcupine quill"-like verrucous yellow-brown scaling, esp on hand and feet
And ICHUIYUSIS HYSUIX		Digital constriction/pseudoainhum PPK
6. Ichthyosis en confetti	Gene: KRT10	* At birth, erythroderma
Aka Congenital reticular	Onset: Birth	* After birth, confetti-like areas of scaling
ichthyiosiform erythro- derma		Joint contractures
or Ichthyosis variegata		Hypoplasia of mammillae
		Dorsal acral hypertrichosis
7. Epidermolytic ichthyosis	Gene: KRT1, KRT10	Erythroderma with blisters and erosions at birth
Aka Bullous congenital ich- thyosiform erythroderma	Onset: Birth	After birth, hyperkeratosis + cobblestone appearance with predominance over joints
		* Retinol exacerbates skin fragility
		Malodorous with frequent skin infections
		Gait and posture abnormalities
		Somatic mosaicism (extensive epidermal nevus aka ichthyosis hystrix) vs gonadal mosaicism (offspring with full expression of disease)
8. Harlequin ichthyosis	Gene: ABCA12	* Extreme eclabium and ectropion
	Onset: Birth	* Early initiation of systemic retinoids reduces mortality
		* Death is secondary to sepsis and respiratory insufficiency
		* Ear deformities
9. Congenital ichthyosi- form erythroderma (non- bullous)	Gene: ALOXE3, ALOX12B Onset: Birth	After collodion membrane resolves, develop white fine scale in generalized distribution (Flexures involved) - like "snow flakes"
		Erythroderma as background (hence not bullous)
		* +/- palm/soles
		Heat intolerance and hypohydrosis
		* +/- scarring alopecia and ectropion
10. Lamellar ichthyosis	Gene: TGM1	Thick plate-like brown scale with significant flexure involvement
	Onset: Birth	* Ectropion/eclabium
		* Heat intolerance
		* Scarring alopecia

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