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IADVL Color Atlas of Dermatology



Editors-in-Chief
Lt Col Biju Vasudevan
Col Manas Chatterjee

Foreword
Venkataram Mysore

JAYPEE

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Chapter 2

Ichthyosis

Chander Grover, Rajesh Verma, Ankur Talwar, Sahana M Srinivas

NON-SYNDROMIC



FIGURE 2.1: Dry skin with fine "pasted" scale involving almost the entire body



FIGURE 2.2: Scaling is more prominent on the forehead, relatively sparing the rest of the face. Note mild scaling in scalp

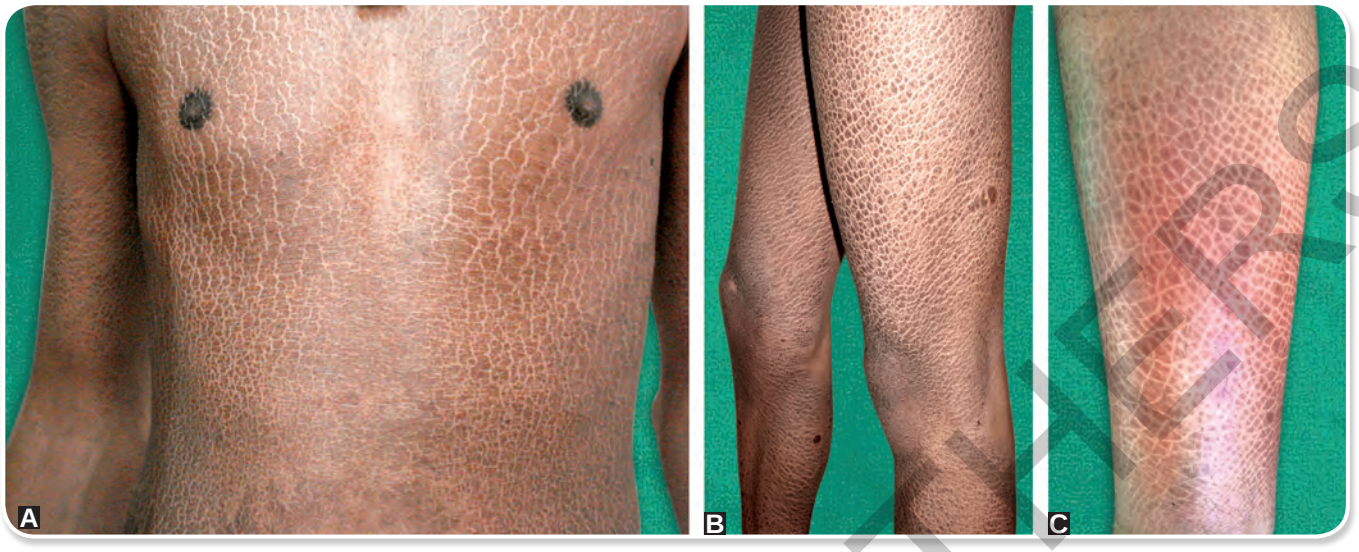


FIGURE 2.3: Diffuse hyperkeratosis of palms and soles with hyperlinearity. Nails are essentially normal with mild thickening in a few



FIGURE 2.4: Flexural erythema in an atopic child with ichthyosis vulgaris

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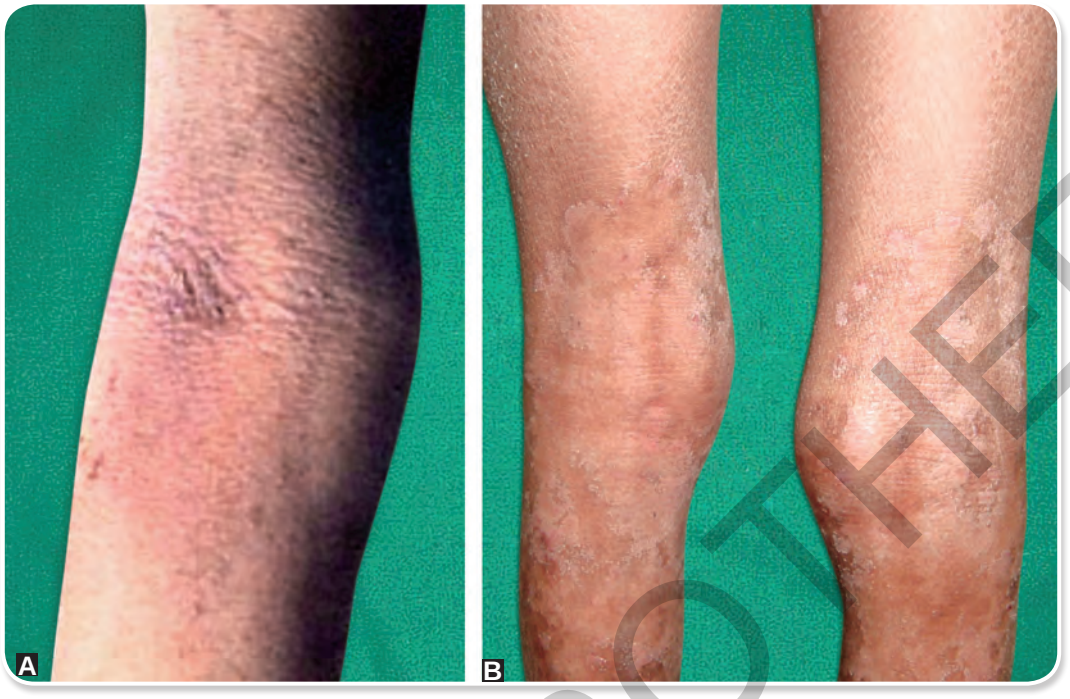


FIGURES 2.5A TO C: A case of classical ichthyosis vulgaris (A) Characteristic scaling on trunk, (B) thigh and (C) leg (*Courtesy:* Dr Santanu Banerjee, Dr Resham)

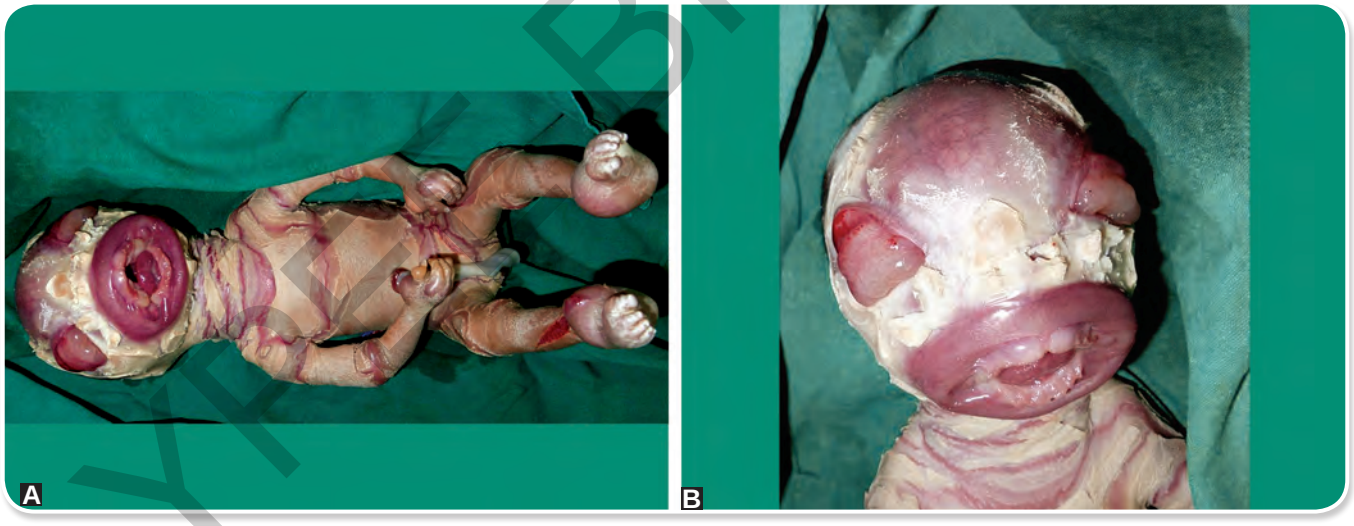


FIGURE 2.6: "Dirty neck" appearance in X-linked recessive ichthyosis

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FIGURES 2.7A AND B: Flexural involvement in X-linked recessive ichthyosis



FIGURES 2.8A AND B: (A) Harlequin baby who died within minutes of birth. Note the extra taut, shiny skin with deep fissures. The "armour like" character can be appreciated. The legs are showing flexion contracture and gross swelling of feet; (B) Close up view of the same baby showing the extreme ectropion and eclabium

(*Courtesy:* Dr Subhav Aggarwal)

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FIGURES 2.9A AND B: (A) Harlequin ichthyosis—severe hyperkeratosis with ectropion and eclabium; (B) Close up view of the face

(*Courtesy:* Dr Preethi)



FIGURE 2.10: Collodion baby with parchment thin, yellowish plastic like membrane covering the whole body, tethering at the orifices. Ectropion, eclabium, flat pinna can be appreciated. Flexural fissuring can also be seen



FIGURE 2.11: Close up view of the same baby (Figure 2.10): Taut shiny membrane like skin showing fissuring and breaking up in the flexures

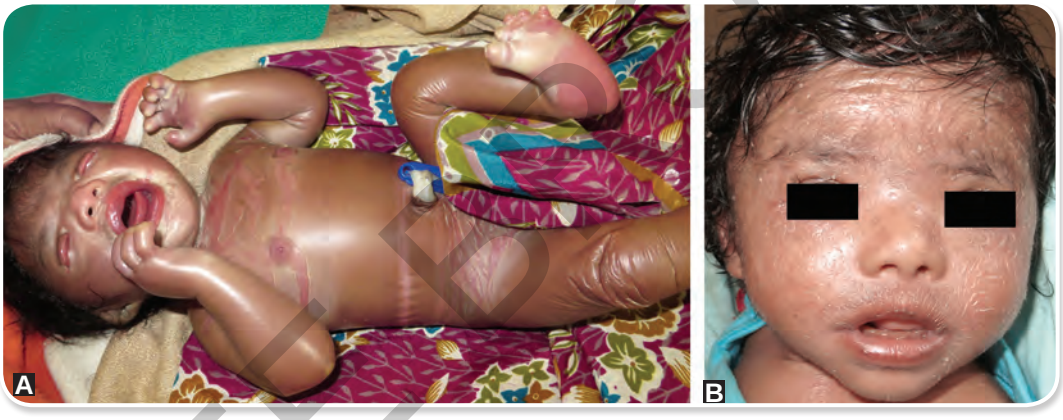
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FIGURE 2.12: Ectropion and eclabium on the face in a collodion baby
(*Courtesy:* Dr Kingshuk Chatterjee)



FIGURE 2.13: Another collodion baby with classical parchment like skin and facial feature
(*Courtesy:* Dr Harish Prasad)



FIGURES 2.14A AND B: (A) Collodion baby with taut shiny membrane and fissuring over joint folds, day 1 after birth; (B) Vastly improved skin after 2 months in the same baby



FIGURES 2.15A AND B: (A) A 3-month-old baby born with the collodion baby phenotype. After the shedding of the membrane there is minimal to absent erythema with thick plate like scales; (B) Close-up view of the back with dark, adherent, plate-like scales with polygonal edges

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FIGURES 2.16A AND B: (A) Lamellar ichthyosis with plate like large scales in a 5-year-old child; (B) Lamellar ichthyosis with ectropion in the same child

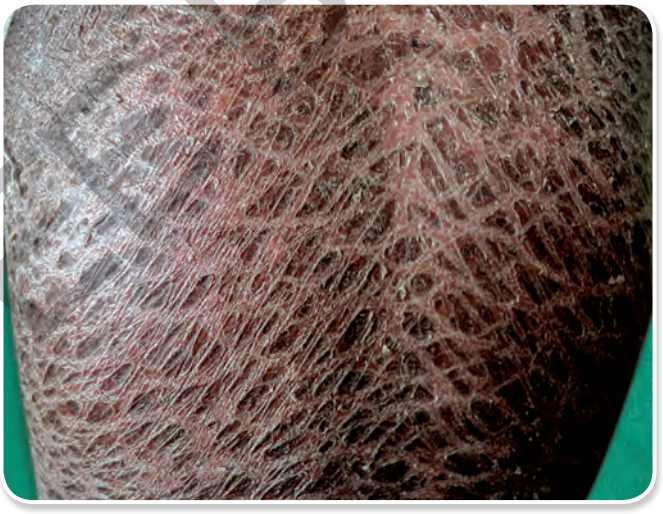


FIGURE 2.17: Classical fish like scales of lamellar ichthyosis in a 10-year-old boy

(*Courtesy:* Dr Kingshuk Chatterjee)

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FIGURES 2.18A TO D: Lamellar ichthyosis in a 18-year-old child with; (A) Classical scaling on the body; (B) Forehead; (C) Lower limbs; (D) Palmar hyperlinearity



FIGURES 2.19A AND B: Lamellar ichthyosis persisting in a 42-year-old man: (A) Scaling on face with ectropion; (B) Fish like scales on trunk and limbs

(*Courtesy:* Dr MS Sadeep)

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FIGURES 2.20A TO D: A 5-month-old baby born as a collodion phenotype. Evidence of erythroderma after the shedding of the collodion membrane. Generalized, thin, superficial, semiadherent scales can be appreciated on the (A) face, (B) trunk, (C) upper limbs, and (D) lower limbs

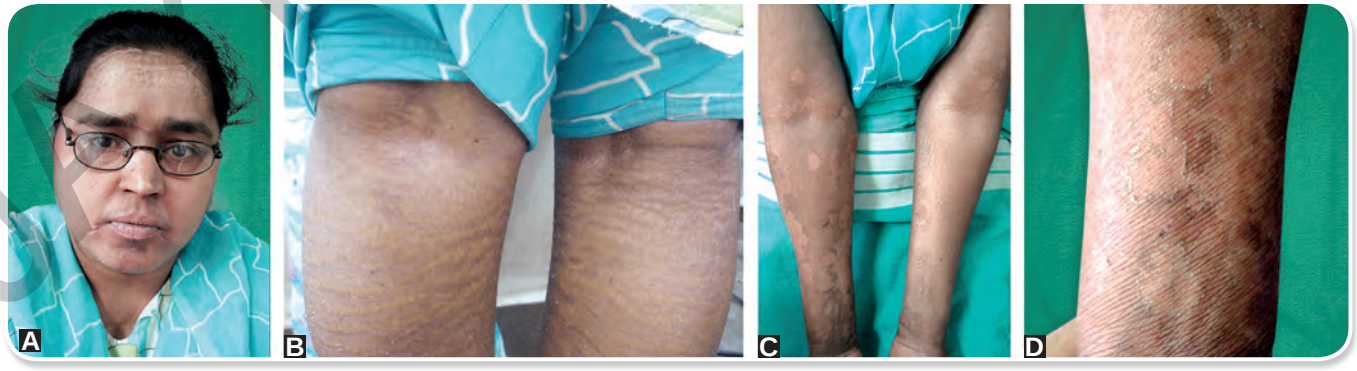


FIGURE 2.21: A 3-year-old child with congenital ichthyosiform erythroderma (CIE/NBIE) with white, superficial, "feathery" scales over the forehead and scalp. Generalized erythema can be appreciated

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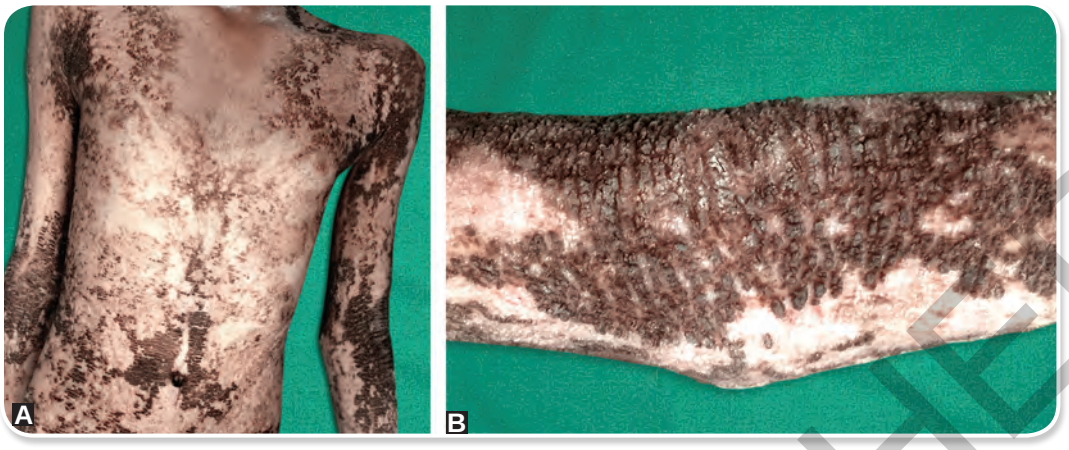


FIGURES 2.22A TO D: A 19-year-old boy with classical features of non-bullous ichthyosiform erythroderma. Extensive scaling and crusting present (A) characteristic involvement of forehead, (B) trunk, (C) buttocks and (D) lower limbs



FIGURES 2.23A TO D: Ichthyosis bullosa of Siemens. (A) Mild scaling on face; (B) Rippled hyperkeratosis on the limbs; (C) Mild focal circumscribed scaling on flexures (Mauserung phenomenon); (D) Close up of Mauserung phenomenon

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FIGURES 2.24A AND B: Ichthyosis hystrix: (A) A 14-year-old boy with extensive dark-colored hyperkeratotic plaques involving large parts of the body. The flexural predisposition can be appreciated. The surrounding skin is mildly erythematous; (B) Close up examination shows the spiny character of the scale

(*Courtesy:* Dr Deepak Jakhar)



FIGURES 2.25A AND B: (A) A post-pubertal girl with extensive systematized verrucous epidermal nevus; (B) Close up view of hystrix like papules in this patient with systematized verrucous epidermal nevus

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Salient Features

- Presents exhaustive list of about 2,600 images of skin conditions: common and rare, mundane and esoteric, typical and atypical
- Comprises purely Indian images and therefore will give the best possible outlook of Indian dermatology to a global audience
- No text except for the legends, the atlas entirely looks to form an impression with its images only—this is the highlight of the book
- Aims to familiarize undergraduates, dermatology residents, dermatologists and other specialists with the various dermatological disorders in a visual manner
- Will be highly useful and serve the needs of students, teachers and practitioners alike.



Dr (Lt Colonel) Biju Vasudevan, MD (Dermatology) from AFMC, has served the Indian Armed Forces for the past 17 years. He is presently an Associate Professor at INHS Asvini, Mumbai, Maharashtra, India. He has a fellowship in Dermatosurgery from BMCRI, RGUHS, and is a recognized postgraduate examiner of Maharashtra University of Health Sciences (MUHS). He is a member of IADVL Academy of Dermatology, has conducted 18 national/state level quizzes, has 76 indexed publications (14 international) and 17 chapters in various books. He is on the editorial board of four journals and is a reviewer of 12 journals. He has delivered about 37 guest lectures in various conferences. His interests include immunobullous disorders, vasculitis, leg ulcers and dermatosurgery.



Dr (Colonel) Manas Chatterjee, graduated from AFMC with distinction and received OP Malhotra Gold Medal in Medicine. He completed MD from the same institution and DNB thereafter. He has served the Indian Armed Forces since the past 25 years, earning the Chief of Army Staff Commendation for distinguished service. He has been past Associate Professor at his alma mater and is presently Senior Adviser, Professor and Head (Dermatology) of Command Hospital (Eastern Command) Kolkata, West Bengal, India. He is postgraduate examiner at six universities. He is the past Convener and present Chairman of IADVL Academy of Dermatology. He is the present President of Association of Cutaneous Surgeons in India and co-founder of the ACSI Dermatosurgery Registry. He has conducted multiple dermatosurgery workshops and is an accomplished quizmaster. He is past and present editorial board member, associate and section editor of 7 journals and has been invited as guest speaker more than 140 times in India and abroad and has more than 50 indexed publications and chapters in 10 textbooks to his credit in addition to being editor of Compendium of Pigmentary Disorders. He is the winner of several fellowships, scholarships and research grants in his specialty and has been involved in the design and conduct of 5 multicentric trials in his specialty. His interests include dermatosurgery, pigmentary disorders and photography in dermatology.

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