

1 Introduction and historical background

Ayşe Serap Karadağ, Berna Aksoy, and Lawrence C Parish

2 Mechanism of action of Vitamin A

Sandra Maria Barbalho

3 Mechanism of action of topical retinoids

Sümeyre Seda Ertekin and Mehmet Salih Gurel

4 Mechanism of action of isotretinoin

Bodo Melnik

5 Mechanism of action of acitretin

Kaitlyn Lam and Ronald Vender

6 Mechanism of action of bexarotene

Catherine M Ludwig, Claire Wilson, Brandon Roman, and Maria M Tsoukas

7 Mechanism of action of alitretinoin

Ömer Faruk Elmas and Necmettin Akdeniz

8 Effects of retinoids at the cellular level

Jelena Popovic

9 Effects of retinoids at the systemic level

Sandra Maria Barbalho and Letícia Maria Pescinini-Salzedas

10 New aspects of isotretinoin teratogenicity

Bodo C Melnik

11 Mucocutaneous side effects

Tugba Kevser Uzuncakmak and Ayşe Serap Karadağ

12 Ophthalmologic side effects

Remzi Karadağ and Fehim Esen

13 Musculoskeletal side effects

Filiz Cebeci Kahraman, Vefa Aslı Turgut Erdemir, and Melek Aslan Kayıran

14 Neurologic side effects

Evren Burakgazi-Dalkilic

15 Psychiatric side effects

Joshua Schimmel, Evren Burakgazi-Dalkilic, and Hatice Burakgazi-Yilmaz

16 Gastrointestinal side effects

Esra Adisen, Burcu Beksaç, and Mehmet Ali Gürer

17 Endocrine and metabolic side effects

Ayşe Serap Karadağ, Emin Özlü, and Bodo C Melnik

18 Other systemic side effects: Cardiovascular, pulmonary, otolaryngorhinologic, genito-urinary, renal, and immunologic

Emin Özlü, Akif Sinan Bilgen, and Ayşe Serap Karadağ

19 Retinoids in acne

Ruta Genceviciene and Christos C. Zouboulis

20 Retinoids in hydradenitis suppurativa/acne inversa

Uwe Wollina, Piotr Brzezinski, and André Koch

21 Retinoids in rosacea

Marius Rademaker and Harriet Cheng

22 Retinoids in hair disorders

Brent J Doolan and Rodney Sinclair

23 Retinoids in psoriasis

Uwe Wollina, Piotr Brzezinski, and André Koch

24 Retinoids in keratinization disorders

Ümit Türsen and Belma Türsen

25 Retinoids in antiaging therapy

Zehra Aşiran Serdar and Ezgi Aktaş Karabay

26 Retinoids in other skin diseases

Uwe Wollina, Piotr Brzezinski, and André Koch

27 Retinoids in lymphoma

Robert Duffy and Joya Sahu

28 Retinoids in cutaneous chemoprophylaxis

Robert Duffy and Joya Sahu

29 Guide to good clinical practice for vulnerable populations (infancy, childhood, fertile period, elderly)

Elif Yıldırım and Berna Aksoy

30 Retinoids and concomitant surgery

H Mete Aksoy

31 Retinoids and concomitant aesthetic procedures
Zekayi Kutlubay, Ayşegül Sevim Keçici, and Yalçın Tüzün

32 Laboratory and clinical follow-up
N Burcu Öztürk and Berna Aksoy

33 Teratogenicity and registry programs
Reese L. Imhof and Megha M Tollefson

34 Management of side effects
Aslı Tatlıparmak and Berna Aksoy

35 Future and novel unexplored indications of retinoids
Kabir Sardana and Ananta Khurana

Index