

Contents

1 Introduction and Overview	1
Apostolos Pappas	
Part I Nutrients and Skin	
2 Vitamin A and the Skin	7
Rana Mohsen Elewa and Christos C. Zouboulis	
3 Relevance of the Cutaneous Vitamin D Endocrine System for Skin Physiology and Treatment of Skin Diseases.....	25
Léa Trémezaygues and Jörg Reichrath	
4 Photoprotection of the Skin with Vitamins C and E: Antioxidants and Synergies.....	43
Karen E. Burke	
5 Carotenoids and Skin	59
Sagar K. Thakkar, Angus M. Moodycliffe, and Myriam Richelle	
6 Antioxidants and Skin	79
Juergen Lademann, Maxim E. Darvin, and Ulrike Heinrich	
7 Minerals and the Skin.....	91
Petra Winkler	
8 Probiotics and Skin	111
Robert J. Boyle, Sampo J. Lahtinen, and Mimi L.K. Tang	
Part II Clinical Crossover Between Nutrition and Dermatology	
9 Diet and Acne	131
Apostolos Pappas	

10 Glycemic Load and Acne.....	145
Robyn Smith and Neil Mann	
11 Essential Fatty Acids and Atopic Dermatitis.....	159
Anthony Vincent Rawlings	
12 Hair Biology and Nutritional Influences.....	177
Michael Anthonavage	
13 Detecting and Monitoring Nutrients on Skin Using Noninvasive Methods	195
Georgios N. Stamatas and Nikiforos Kollias	
14 Nutritional Clinical Studies in Dermatology	209
Aikaterini I. Liakou, Michael J. Theodorakis, and Christos C. Zouboulis	
Index.....	221

Nutrition and Skin

Lessons for Anti-Aging, Beauty and Healthy Skin

Pappas, A. (Ed.)

2011, X, 228 p., Hardcover

ISBN: 978-1-4419-7966-7