

Contents

Part I Adenovirus Epithelial Keratitis

1 The Morphology of Adenovirus Epithelial Keratitis	3
Adenovirus Cytopathic Effect in Cell Cultures	4
Rounded/Abnormal Cells in Human Adenovirus Epithelial Keratitis	5
Cyst-Like Structures; Fluorescein Staining	6
Fluorescein and Rose Bengal Staining	7
Epithelial Infiltrates 1	8
Epithelial Infiltrates 2	9
Addendum 1. Toxic Effect of Rose Bengal Dye	10
Addendum 2. Conjunctival Changes	11
2 Adenovirus Type 8 Epithelial Keratitis: The Development, Accompanying Signs, and Sequelae	13
Case 1: EKC: An Occupational Hazard	14
Case 2: A Sequel of a Friendly Visit	18
Case 3: Anterior Uveitis and Nosocomial Infection	22
Case 4: A Case of a Caring Wife	23
Case 5: Nosocomial Infection After Suture Removal	24
Case 6: Nosocomial Infection After Applanation Tonometry	28
Case 7: A Woman Infected by a Caring Relative	29
Case 8: A Potential Source of a Nosocomial Outbreak	30
Case 9: Nosocomial Infection in a Contact Lens Wearer	32
Case 10: Nosocomial Infection in Corneal Erosion	34
3 Adenovirus Epithelial Keratitis Caused by Various Serotypes (Ad3, 4, and 7)	43
Case 1: Adenovirus: Which Serotype?	44
Case 2: Pharyngoconjunctival Fever	48
Case 3: Adenovirus Type 7 in a Contact Lens Wearer and Her Family	49
Case 4: Red Eye: A Diagnostic Clue	50
Case 5: Adenovirus or Thygeson's Keratitis?	51
Case 6: Adenovirus or HSV Epithelial Keratitis?	52
Case 7: Adenovirus Infection: A Clinical Diagnosis	53

4 The Development of Subepithelial Infiltrates:	
A Sequence of Events.	55
Survey 1	56
Survey 2	57
3 Weeks After Onset	58
4 Weeks After Onset	59
5 Weeks After Onset	60
7 Weeks After Onset	61
11 Weeks After Onset	62
13 Weeks After Onset	63
16 Weeks After Onset	64
18 Weeks After Onset	65
5 Months After Onset.	66
6 Months After Onset.	67
7.5 Months After Onset	68
8.5 Months After Onset	69
9.5 and 11.5 Months After Onset.	70
13 and 15 Months After Onset.	71
1 Year and 6 Months After Onset	72
2 Years and 5 Months After Onset.	73
2 Years and 8.5 Months, and 3 Years After Onset.	75
 Part II Thygeson's Superficial Punctate Keratitis	
5 The Morphology of Thygeson's Superficial Punctate Keratitis (TSPK)	79
Shapes and Sizes of TSPK Epithelial Lesions	80
Rounded/Abnormal Cells in TSPK	81
Fluorescein Sodium Staining of TSPK Epithelial Lesions	82
Rose Bengal Staining of TSPK Epithelial Lesions	83
The In-between Areas in TSPK (1)	84
The In-between Areas in TSPK (2)	85
6 Typical Cases of Thygeson's Punctate Epithelial Keratitis (TSPK) ...	87
Case 1: A 24-Year History of TSPK	88
Case 2: A 27-Year History of TSPK with Remissions and Exacerbations ...	90
Case 3: A Happy End (?) After 25 Years of TSPK	92
Case 4: A 20-Year History of TSPK	94
7 Three Atypical Cases of Thygeson's Superficial Punctate Keratitis (TSPK)	97
Case 1: A Recurrence of an HSV Dendrite?	98
Case 2: Who Dares to Operate the Cataract?	104
Case 3: A Peculiar Epithelial Keratitis	112
Final Remark	127
Bibliography	129
Index	131