

---

# Contents

## Part I Adenovirus Epithelial Keratitis

<b>1 The Morphology of Adenovirus Epithelial Keratitis</b>	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
<b>2 Adenovirus Type 8 Epithelial Keratitis: The Development, Accompanying Signs, and Sequelae</b>	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
<b>3 Adenovirus Epithelial Keratitis Caused by Various Serotypes (Ad3, 4, and 7)</b>	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

<b>4 The Development of Subepithelial Infiltrates:</b>	
<b>A Sequence of Events</b> . . . . .	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
 <b>Part II Thygeson's Superficial Punctate Keratitis</b>	
<b>5 The Morphology of Thygeson's Superficial Punctate Keratitis (TSPK)</b> . . . . .	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
<b>6 Typical Cases of Thygeson's Punctate Epithelial Keratitis (TSPK)</b> . . . . .	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
<b>7 Three Atypical Cases of Thygeson's Superficial Punctate Keratitis (TSPK)</b> . . . . .	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
<b>Final Remark</b> . . . . .	127
<b>Bibliography</b> . . . . .	129
<b>Index</b> . . . . .	131

Adenovirus Epithelial Keratitis and Thygeson's  
Superficial Punctate Keratitis

In Vivo Morphology in the Human Cornea

Tabery, H.M.

2012, X, 131 p., Hardcover

ISBN: 978-3-642-21633-6