

Contents

SECTION 1: BASIC PRINCIPLES

1. Introduction <i>C Stephen Foster</i>	3
2. The Uvea: Anatomy, Histology and Embryology <i>C Stephen Foster, Nicolette Gion</i>	5
Uveal Tract 5	
Iris 6	
Ciliary Body 10	
Choroid 14	
3. Definition, Classification, Etiology and Epidemiology <i>Shawkat Shafik Michel, C Stephen Foster</i>	20
Definition 20	
Classification 23	
Epidemiology 25	
4. General Principles and Philosophy <i>C Stephen Foster</i>	33
The Problem 33	
Philosophy 34	
Biologic Response Modifiers 39	
Other Matters 42	
5. Basic Immunology <i>C Stephen Foster, Ana M Suelves</i>	44
Cells of the Immune System 44	
Ontogeny of the Immune System 52	
Immune Response 55	
Expression of Immunity 57	
Summary 58	
B Lymphocyte Responses 58	
T Lymphocyte Responses 66	
Immune-mediated Tissue Injury 71	
Summary 80	
Regulation of Immune Responses 81	
Corneal Transplantation Immunology 89	

SECTION 2: PRINCIPLES OF DIAGNOSIS AND THERAPY

6. Diagnosis of Uveitis <i>Louis J Chorich III, Dino D Klisovic, C Stephen Foster</i>	101
The Problem 101	
The Confusion 102	
The Frustration 102	
A Systematic Approach to Establish a Diagnosis 104	
Diagnostic Approach to the Uveitis Patient 113	
Laboratory Evaluation 118	
Differential Diagnosis 119	
Appendix A 123	
Appendix B 129	
7. Imaging Studies for Uveitis <i>Ilknur Tugal-Tutkun, Sumru Onal, C Stephen Foster</i>	131
Ocular Imaging Modalities 131	
Diagnostic Imaging Studies for Inflammatory Systemic Diseases with Eye Manifestations 166	
Case Presentations of Common Systemic Diseases that can Cause Ocular Inflammation 170	
8. Treatment of Uveitis—An Overview <i>Albert T Vitale, C Stephen Foster</i>	192
9. Corticosteroids <i>Albert T Vitale, Julia P Shulman, C Stephen Foster</i>	194
Official Drug Name and Chemistry 194	
Pharmacology 195	
Pharmaceutics 197	
Pharmacokinetics, Concentration-effect Relationship and Metabolism 200	
Therapeutic Use 203	
Adverse Effects and Toxicity 207	
Drug Interactions 209	
Major Clinical Trials 209	
10. Mydriatic and Cycloplegic Agents <i>Albert T Vitale, C Stephen Foster</i>	215
History and Source 215	
Official Drug Name and Chemistry 215	
Pharmacology 216	
Clinical Pharmacology 217	
Pharmaceutics 218	
Pharmacokinetics and Metabolism 219	
Therapeutic Use 219	
Side Effects and Toxicity 220	
High-Risk Groups 221	
Drug Interactions 222	
Major Clinical Trials 222	
11. Nonsteroidal Anti-inflammatory Drugs <i>Albert T Vitale, Hassan Al-Dhibi, C Stephen Foster</i>	225
Introduction, History and Source 225	
Official Drug Name and Chemistry 225	
Pharmacology 227	
Clinical Pharmacology 228	
Pharmaceutics 228	
Pharmacokinetics 228	
Therapeutic Use 229	
Side Effects and Toxicity 232	
High-Risk Groups 233	
Drug Interactions 234	
Major Clinical Trials 234	
12. Immunosuppressive Chemotherapy <i>C Stephen Foster, Albert T Vitale</i>	238
General Considerations 238	
Cytotoxic Immunosuppressive Drugs 241	
Noncytotoxic Immunosuppressive Drugs 254	

13. Diagnostic Surgery	295	Pathogenesis 351 Diagnosis 353 Prevention 355 Treatment 355 Prognosis 356 Complications 356 Coinfection 358 Summary 359 Relapsing Fever 359 Definition 359 Epidemiology 359 Clinical Characteristics 360 Pathogenesis 360 Diagnosis 360 Treatment 360 Summary 360	22. Ocular Whipple's Disease	403	Definition 403 History 403 Epidemiology 403 Etiology 404 Pathology 404 Immunology 404 Clinical Characteristics 406 Diagnosis 409 Differential Diagnosis 410 Treatment 410	28. Measles	479
<i>E Mitchel Opremcak, Albert T Vitale, C Stephen Foster</i>			<i>C Stephen Foster</i>		<i>Erik Letko, C Stephen Foster</i>		
Paracentesis 295 Vitrectomy 296 Retinal Biopsy 298 Chorioretinal Biopsy 301			Definition 403 History 403 Epidemiology 403 Etiology 404 Pathology 404 Immunology 404 Clinical Characteristics 406 Diagnosis 409 Differential Diagnosis 410 Treatment 410		Definition 479 History 479 Congenital Measles 479 Acquired Measles 480 Subacute Sclerosing Panencephalitis 482		
14. Therapeutic Vitreoretinal Surgery	304	<i>Albert T Vitale, E Mitchel Opremcak, C Stephen Foster</i>					
Indications 304 Perioperative Management 304 Technique 305 Media Opacity 306 Inflammatory Control 307 Cystoid Macular Edema 311 Structural Complications 312 Retinal Detachment 312 Epiretinal Membrane 314 Hypotony 314 Retinal and Choroidal Neovascularization 314 Sustained Drug Delivery 317							
15. Clinical Trials and Evidence-Based Medicine in the Medical Management of Uveitis	322	<i>Nicole Pritz, David S Chu</i>					
Azathioprine 323 Methotrexate 325 Mycophenolate Mofetil 325 Cyclosporine 326 Tacrolimus 326 Cyclophosphamide 326 Chlorambucil 327 Biologics 327 Infliximab 327 Etanercept 328 Adalimumab 328 Daclizumab 328 Interferon-Alpha 328 Intravitreal Implants 329							
SECTION 3: THE UVEITIS SYNDROMES—INFECTIOUS							
16. Syphilis	337	<i>John Mauro, C Michael Samson, C Stephen Foster</i>					
Definition 337 History 337 Epidemiology 337 Clinical Presentation of Syphilis 338 Pathology and Pathogenesis 340 Diagnostic Tests 341 Treatment 342 Syphilis in Patients with HIV Infection 343 Complications 343 Prognosis 344							
17. Borrellosis	346	<i>John C Baer</i>					
Lyme Borrellosis 346 Definition 346 History 346 Epidemiology 346 Clinical Characteristics of Systemic Disease 347 Clinical Characteristics of Ocular Disease 349							
18. Bartonella	365	<i>Louis J Chorich III</i>					
Definition 365 History 365 Epidemiology 365 Clinical Features 366 Pathogenesis and Immunology 368 Diagnosis 368 Treatment 369 Differential Diagnosis 369							
19. Tuberculosis	372	<i>Olivia L Lee, C Michael Samson, C Stephen Foster</i>					
Definition 372 History 372 Epidemiology 373 Clinical Presentation 373 Pathology 375 Pathogenesis 375 Diagnostic Tests 376 Treatment 379 Complications 380 Tuberculosis and HIV 380 Prognosis 381 Summary 381							
20. Leptospirosis	385	<i>Rajiv Shah</i>					
Definition and History 385 Epidemiology 385 Clinical Characteristics 386 Pathogenesis 388 Laboratory Diagnosis 388 Differential Diagnosis 389 Treatment 389 Prognosis 390							
21. Brucellosis	392	<i>Albert T Vitale</i>					
Definition 392 History 392 Etiology 392 Epidemiology 392 Molecular Genetics, Pathology and Immunology 393 Clinical Features 394 Diagnosis 397 Treatment 398 Prognosis 399 Prevention 399							
22. Ocular Whipple's Disease	403	<i>C Stephen Foster</i>					
Definition 403 History 403 Epidemiology 403 Etiology 404 Pathology 404 Immunology 404 Clinical Characteristics 406 Diagnosis 409 Differential Diagnosis 410 Treatment 410							
23. Rickettsial Diseases	415	<i>Nicolas Molina-Prat</i>					
Microbiology 415 Ticks-Rickettsiae Relationships 416 Epidemiology 417 Rickettsiae Pathogenicity 417 Pathogenic Mechanisms 418 Clinical Characteristics 418 Diagnosis 421 Treatment 421 Prognosis 421							
24. Ocular Leprosy	424	<i>Elisabeth M Messmer</i>					
Definition 424 History 424 Epidemiology 425 Clinical Characteristics 426 Ocular Histopathology 429 Pathogenesis and Immunology 429 Diagnosis 430 Differential Diagnosis 430 Treatment 431							
25. Herpesviruses	437	<i>Maria Jose Capella, C Stephen Foster</i>					
Introduction and Virology 437 Herpes Simplex Virus and Varicella Zoster Virus 437 Epstein-Barr Virus 445 Cytomegalovirus 446							
26. Emergent Viral Infections	461	<i>Moncef Khairallah, Salim Ben Yahia, Imen Khairallah-Ksiaa</i>					
West Nile Virus Infection 461 Dengue Fever 466 Chikungunya 469 Summary 472							
27. Rift Valley Fever	475	<i>Ramzi K Hemady, Aaron L Sobol, Gayatri S Reilly</i>					
Definition 475 History 475 Epidemiology 475 Pathogenesis 475 Clinical Characteristics 476 Pathology 477 Diagnosis 477 Differential Diagnosis 477 Treatment 478							
28. Measles	479	<i>Erik Letko, C Stephen Foster</i>					
Definition 479 History 479 Congenital Measles 479 Acquired Measles 480 Subacute Sclerosing Panencephalitis 482							
29. Rubella	486	<i>Erik Letko, C Stephen Foster</i>					
Definition 486 History 486 Congenital Rubella 486 Acquired Rubella 489							
30. Presumed Ocular Histoplasmosis Syndrome	492	<i>Gurinder Singh, Malika G Singh</i>					
Definition 492 History 492 Mycology 493 Epidemiology 493 Clinical Characteristics 494 Pathogenesis/Pathophysiology/Immunology/Pathology 497 Diagnosis 499 Differential Diagnosis 500 Treatment 501 Complications 506 Prognosis 506							
31. Candidiasis	512	<i>Elisabeth M Messmer</i>					
Definition 512 History 512 Epidemiology 512 Clinical Characteristics 513 Complications 515 Pathogenesis/Histopathology/Immunology 515 Diagnosis 516 Differential Diagnosis 517 Treatment 517 Prognosis 520							
32. Coccidioidomycosis	526	<i>Richard R Tamesis</i>					
Definition 526 History 526 Epidemiology 526 Clinical Characteristics 527 Pathophysiology/Immunology/Pathology/Pathogenesis 527 Diagnosis 527 Treatment 528 Complications 529 Prognosis 529							
33. Cryptococcosis	531	<i>Julia P Shulman, Albert T Vitale</i>					
Epidemiology 531 Pathogenesis 531 Clinical Presentation 532 Diagnosis 533 Differential Diagnosis 533 Treatment 534 Prognosis 534 Summary 534							

34. Sporotrichosis	536	Clinical Characteristics 593 Pathology 595 Diagnosis 596 Treatment 597	Clinical Features 649 Diagnosis 651 Treatment 652 Prevention and Chemoprophylaxis 653	Treatment 686 Complications 686 Prognosis 686
<i>Manolette Rangel Roque, C Stephen Foster</i>				
Definition 536				
History 536				
Epidemiology 536				
Mycology 536				
Clinical Characteristics 536				
Pathology 539				
Diagnosis 539				
Differential Diagnosis 540				
Treatment 540				
Prognosis 540				
35. Toxoplasmosis	543	602	656	688
<i>Fernando Oréfice, Daniel Vitor Vasconcelos-Santos, Cynthia Azeredo Cordeiro, Juliana Lambert Oréfice, Rogério Alves Costa</i>				
Introduction/Definition 543				
History 543				
Epidemiology 544				
Clinical Presentation 545				
Pathogenesis 551				
Pathology 554				
Diagnosis 555				
Diagnostic Approach to Ocular Toxoplasmosis 557				
Differential Diagnosis 559				
Therapy 560				
Complications 563				
Prognosis 564				
Prevention 564				
Summary 564				
36. Other Vector-Borne Parasitic Infections	569	606	665	
<i>Mozghan Rezaei Kanavi, Masoud Soheilian</i>				
Ocular Leishmaniasis 569				
Ocular Malaria 573				
Seasonal Hyperacute Panuveitis 576				
37. Free-Living Amebas and Amebiasis	579	617	671	
<i>Jesús Merayo-Lloves, Albert T Vitale</i>				
Definition 579				
History and Microbiology 579				
Epidemiology 580				
Pathogenesis and Pathology 580				
Clinical Features 581				
Diagnosis 582				
Treatment 583				
Prevention 584				
Prognosis 584				
38. Giardia Lamblia	587	625	678	
<i>Ron Neumann</i>				
Definition 587				
Epidemiology 587				
The Organism 587				
Pathogenicity 587				
Clinical Manifestations 588				
Diagnosis 588				
Treatment 588				
Giardia and the Eye 588				
39. Trypanosomiasis	591	648	682	
<i>Luis Alonso Gonzalez-Gonzalez, Tomas Padilla Jr</i>				
Definition 591				
History 591				
Epidemiology 592				
40. Pneumocystosis	602	656	688	
<i>Isabelle Cochereau, Thanh Hoang-Xuan</i>				
History/Definition 602				
Epidemiology 602				
Etiopathogenesis 602				
Pathology 603				
Clinical Features 603				
Diagnosis 604				
Differential Diagnosis 604				
Treatment 604				
Summary 604				
41. Ocular Toxocariasis	606	662	688	
<i>C Stephen Foster</i>				
Definition 606				
Etiology 606				
Clinical Manifestations 607				
History 607				
Epidemiology 608				
Immunopathology 609				
Clinical Variations 610				
Complications 611				
Diagnosis 611				
Differential Diagnosis 612				
Treatment 613				
Prognosis 614				
42. Ascariasis	617	671	688	
<i>Virender S Sangwan</i>				
Definition 617				
History 617				
Epidemiology 617				
Clinical Characteristics 617				
Pathophysiology, Immunology, Pathology and Pathogenesis 619				
Diagnosis 621				
Treatment 621				
Complications 622				
43. Onchocerciasis	625	676	688	
<i>Martin Filipec</i>				
Definition 625				
History 625				
Epidemiology 626				
Clinical Features 628				
Complications 633				
Etiology 633				
Pathogenesis and Pathology 634				
Diagnosis 636				
Differential Diagnosis 637				
Treatment and Control 637				
Natural History and Prognosis 640				
44. Loiasis	648	682	688	
<i>Yosuf El-Shabrawi</i>				
Definition 648				
History 648				
Epidemiology 648				
Life History 649				
Morphology 649				
Immunological Responses 649				
45. Cysticercosis	656	688		
<i>Lama Mulki, C Stephen Foster</i>				
Background 656				
History 656				
Epidemiology 657				
Clinical Features 657				
Physical Findings 658				
Pathogenesis and Pathology 658				
Diagnosis 659				
Differential Diagnosis 660				
Treatment 660				
Complications and Challenges 662				
Prognosis 662				
46. Diffuse Unilateral Subacute Neuroretinitis	665	688		
<i>Neal P Barney</i>				
Definition 665				
History 665				
Epidemiology 665				
Clinical Characteristics 666				
Pathophysiology 667				
Diagnosis 668				
Treatment 668				
Complications 669				
Prognosis 669				
47. Schistosomiasis	671	688		
<i>Daniel Vitor Vasconcelos-Santos, Fernando Oréfice, Juliana Lambert Oréfice, José Eymard Homem Pittella</i>				
Introduction/Definition 671				
History 672				
Epidemiology 672				
Clinical Presentation 672				
Pathogenesis/Etiology 673				
Immunopathology 675				
Diagnosis 676				
Treatment 676				
Complications 676				
Summary 676				
48. Ophthalmyomiasis	678	688		
<i>E Mitchel Opriemak</i>				
Definition 678				
History 678				
Epidemiology 678				
Clinical Characteristics 679				
Pathogenesis 679				
Diagnosis 680				
Treatment 680				
Complications 680				
Prognosis 680				
49. Ophthalmia Nodosa	682	688		
<i>Cheryl Arciniega</i>				
Definition 682				
History 682				
Epidemiology 682				
Clinical Characteristics 683				
Pathogenesis and Pathology 685				
Diagnosis 685				
50. Human Immunodeficiency Virus-Associated Uveitis	688			
<i>Khayyam Durrani, Isabelle Cochereau, Thanh Hoang-Xuan</i>				
Changing Patterns of Uveitis in HIV Infection 688				
HIV Retinopathy 690				
CMV Retinitis 690				
Immune Recovery Uveitis 693				
Ocular Toxoplasmosis 693				
Progressive Outer Retinal Necrosis and Acute Retinal Necrosis 694				
Pneumocystosis 694				
Tuberculosis 695				
Cryptococcosis 695				
Other Opportunistic Infections 695				
Syphilis 696				
Intraocular Lymphoma 696				
Drug-Associated Uveitis 697				
Summary 698				
SECTION 4: THE UVEITIS SYNDROMES—MASQUERADE SYNDROMES				
51. Masquerade Syndromes: Malignancies	705			
<i>Nadia Khalida Waheed, C Stephen Foster</i>				
Intraocular-Central Nervous System Lymphoma 705				
Leukemias 710				
Malignant Melanoma 714				
Retinoblastoma 718				
Metastasis 722				
Paraneoplastic Syndromes 725				
52. Masquerade Syndromes: Endophthalmitis	736			
<i>Vicente Diaz, C Michael Samson, C Stephen Foster</i>				
Chronic Postoperative Endophthalmitis 736				
Endogenous Endophthalmitis 741				
53. Nonmalignant, Noninfectious Masquerade Syndromes	750			
<i>Katrina Palafox, C Stephen Foster</i>				
Rhegmatogenous Retinal Detachment 750				
Retinitis Pigmentosa 755				
Intraocular Foreign Body 761				
Pigment Dispersion 765				
Juvenile Xanthogranuloma 769				
SECTION 5: THE UVEITIS SYNDROMES—AUTOIMMUNE				
54. Seronegative Spondyloarthropathies	793			
<i>Maite Sainz de la Maza</i>				
Ankylosing Spondylitis 793				
Reactive Arthritis 797				
Psoriatic Arthritis 800				
Enteropathic Arthritis 802				
Juvenile-onset Spondyloarthropathies 806				

55. Systemic Lupus Erythematosus	814	Pathology 891 Diagnosis 891 Differential Diagnosis 892 Treatment 892 Prognosis 893	Laboratory Findings and Ancillary Testing 960 Diagnosis 965 Treatment 967 Complications 967 Prognosis 968	Clinical Characteristics 1034 Course and Complications 1036 Diagnosis 1036 Differential Diagnosis 1040 Etiopathogenesis 1041 Treatment 1043 Prognosis 1046	
<i>Harvey Siy Uy, Pik Sha Chan</i>					
Definition 814					
History 814					
Epidemiology 814					
Clinical Characteristics 815					
Pathophysiology 820					
Diagnosis 821					
Treatment 821					
Prognosis 822					
56. Scleroderma	826	60. Granulomatosis with Polyangiitis (Wegener's)	898	65. Tubulointerstitial Nephritis and Uveitis Syndrome	973
<i>Aruni Shah, Anthony Ekong, David S Chu, C Stephen Foster</i>		<i>Sarkis H Soukiasian</i>		<i>Olga Cerón, C Stephen Foster</i>	
Definition 826		Definition 898		Definition 973	
History 826		History 898		History 973	
Epidemiology 827		Epidemiology 899		Epidemiology 973	
Clinical Characteristics: Systemic 827		Clinical Characteristics 900		Clinical Features 974	
Clinical Characteristics: Ocular 829		Pathogenesis/Immunopathology 904		Pathology, Immunology and Pathogenesis 975	
Pathophysiology, Immunology, Pathology and Pathogenesis 831		Pathology 905		Diagnosis and Differential Diagnosis 976	
Diagnosis 832		Diagnosis 906		Treatment and Prognosis 978	
Treatment 832		Treatment 909			
Prognosis 833		Prognosis 910			
57. Giant Cell Arteritis	836	61. Polychondritis	917	66. Birdshot Retinochoroidopathy	982
<i>Sana S Siddique, C Stephen Foster</i>		<i>Ester Carreño, C Stephen Foster</i>		<i>Albert T Vitale</i>	
Definition 836		Introduction and Definition 917		Definition 982	
History 836		Epidemiology 917		History 982	
Epidemiology 836		Etiology/Pathophysiology 917		Epidemiology 982	
Clinical Manifestations 837		Histopathology 918		Clinical Features 983	
Pathology 840		Systemic Manifestations 918		Complications 986	
Immunology and Pathogenesis 841		Ocular Findings 919		Etiology and Pathogenesis 987	
Diagnosis 843		Diagnosis 920		Pathology 989	
Treatment 846		Treatment 921		Diagnosis 989	
Prognosis 848		Prognosis 922		Differential Diagnosis 995	
58. Adamantiades-Behçet's Disease	858	62. Fuchs' Heterochromic Iridocyclitis	925	Treatment 996	
<i>Panayotis Zafirakis, C Stephen Foster</i>		<i>Charalambos Livir-Rallatos, Panayotis Zafirakis</i>		Natural History and Prognosis 999	
Definition 858		Definition 925			
History 858		History 925			
Epidemiology 858		Epidemiology 925			
Clinical Features 859		Clinical Manifestations and Complications 926			
Adamantiades-Behçet's Disease in Children 865		Pathology 928			
Adamantiades-Behçet's Disease in Pregnancy 865		Etiology and Pathogenesis 928			
Pathogenesis and Immunology 866		Diagnosis 930			
Pathology 868		Treatment and Prognosis 931			
Diagnosis 868					
Differential Diagnosis 869					
Treatment 870					
Case Report 1 876					
Case Report 2 877					
Management of Ocular Complications 877					
Prognosis for Vision 878					
59. Polyarteritis Nodosa	887	63. Multiple Sclerosis	935	67. Sympathetic Ophthalmia	1005
<i>Masoud Soheilian, Alireza Ramezani</i>		<i>Stephen D Anesi, Nikos N Markomichelakis</i>		<i>Sorcha Ni Dhubhghaill, William J Power</i>	
Definition 887		Definition 935		Definition 1005	
History and Classification 887		History 935		History 1005	
Epidemiology 887		Epidemiology 935		Incidence and Epidemiology 1005	
Clinical Characteristics 888		Clinical Features 936		Clinical Features 1006	
Pathogenesis and Etiology 891		Complications 937		Pathology and Pathogenesis 1007	
		Etiology 938		Etiology 1008	
		Pathophysiology 939		Differential Diagnosis 1009	
		Diagnosis 940		Prevention and Management 1010	
		Differential Diagnosis 942		Prognosis 1011	
		Natural Course and Prognosis 943			
		Therapy 943			
64. Sarcoidosis	951	68. Vogt-Koyanagi-Harada Disease	1013	68. Vogt-Koyanagi-Harada Disease	1013
<i>Maria José Capella, C Stephen Foster</i>		<i>Nattaporn Tesavibul</i>		<i>Nattaporn Tesavibul</i>	
Definition and History 951		Definition and History 1013		Definition and History 1013	
Epidemiology 951		Epidemiology 1013		Epidemiology 1013	
Clinical Features 952		Clinical Manifestations 1013		Clinical Manifestations 1013	
Sarcoidosis in Childhood 957		Extraocular Manifestations 1015		Extraocular Manifestations 1015	
Histology 958		Etiology and Pathogenesis 1017		Etiology and Pathogenesis 1017	
Etiology and Pathogenesis 959		Histopathology 1018		Histopathology 1018	
		Genetic Factors 1019		Genetic Factors 1019	
		Diagnosis 1019		Diagnosis 1019	
		Investigations 1019		Investigations 1019	
		Differential Diagnosis 1024		Differential Diagnosis 1024	
		Treatment 1024		Treatment 1024	
		Complications 1025		Complications 1025	
		Prognosis 1027		Prognosis 1027	
69. Multifocal Choroiditis and Panuveitis	1033	74. Subretinal Fibrosis and Uveitis Syndrome	1090	74. Subretinal Fibrosis and Uveitis Syndrome	1090
<i>Albert T Vitale, Akbar Shakoor</i>		<i>Blanca Rojas</i>		<i>Blanca Rojas</i>	
Definition 1033		Definition 1090		Definition 1090	
History 1033		History 1090		History 1090	
Epidemiology 1091		Epidemiology 1091		Epidemiology 1091	

Clinical Features 1091 Histopathology 1092 Pathogenesis 1094 Diagnosis 1095 Other Diseases with Subretinal Fibrosis 1096 Differential Diagnosis 1097 Treatment 1100 Prognosis and Evolution 1100	Complications 1152 Pathophysiology 1153 Treatment 1156 Prognosis 1160
75. Punctate Inner Choroidopathy 1104 <i>Roomasa Channa, Millena Bittencourt, Mohamed A Ibrahim, Yasir Jamal Sepah, Peykan Turkcuoglu, Diana V Do, Quan Dong Nguyen</i>	79. Intermediate Uveitis 1169 <i>Manfred Zierhut, Christoph Deuter, Albert T Vitale, C Stephen Foster</i> Definition 1169 History 1169 Epidemiology 1169 Clinical Features 1170 Complications 1171 Etiology 1172 Pathogenesis and Pathology 1173 Diagnosis 1174 Differential Diagnosis 1175 Treatment 1178 Natural History and Prognosis 1182
76. Acute Zonal Occult Outer Retinopathy 1116 <i>Paul Yang, Albert T Vitale</i>	SECTION 6: OTHER
Definition 1116 History 1116 Epidemiology 1117 Clinical Presentation 1118 Pathogenesis/Etiology 1118 Pathology 1120 Diagnosis/Diagnostic Testing 1120 Differential Diagnosis 1124 Treatment 1125 Complications 1126 Natural History and Prognosis 1127 Summary 1127	80. Medication-Induced Uveitis 1191 <i>Alejandro Portero, Margarita Calonge</i> Definition 1191 History 1191 Epidemiology 1191 Etiology 1193 Pathogenesis 1194 Clinical Characteristics 1195 Diagnosis 1205 Treatment 1206 Prognosis 1206
77. Lens-Induced Uveitis 1130 <i>Shawkat Shafik Michel, C Stephen Foster</i>	81. Pediatric Uveitis 1214 <i>Leila I Kump, Albert T Vitale, C Stephen Foster</i> Epidemiology 1214 Complications 1215 Visual Outcomes 1217 Various Uveitic Disorders in Children 1219 Impact of Uveitis on the Quality of Life of Children 1242
Definition 1130 History 1130 Epidemiology 1131 Etiology and Pathogenesis 1131 Pathology 1131 Clinical Features 1131 Diagnosis 1132 Differential Diagnosis 1133 Treatment 1133 Complications 1135	82. Pregnancy and Uveitis 1254 <i>Albert T Vitale, Leila I Kump, Rachael S Jacoby</i> Immunologic Aspects of Pregnancy 1254 Systemic Autoimmune Disease in Pregnancy 1256 Various Uveitic Disorders and Pregnancy 1257 Treatment with Medications in Pregnancy 1258 Summary 1261
78. Retinal Vasculitis 1136 <i>William Ayliffe</i>	83. Traumatic Uveitis 1266 <i>Yasir Jamal Sepah, Abeer Akhtar, Matthew Shulman, Quan Dong Nguyen</i> Postsurgical Uveitis 1266 Post-traumatic Uveitis 1267 Lens-Induced Uveitis 1270 Laser-Induced Uveitis 1271 Pathogenesis and Pathology 1271 Treatment 1272