



**DNB Ophthalmology  
Question Bank  
Uvea and Sclera  
1999-2019**



**Eye Learn**

All about the Eye

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### A) UVEA

1. Anatomy
2. Drugs
  - a) Immunosuppressant/ biologics/antimetabolites
  - b) Steroids
3. Anterior uveitis
  - a) FUS
  - b) JIA
  - c) Uveitis in Nephritis
4. Parsplanitis/ intermediate uveitis
5. VKH
6. SO
7. Sarcoid uveitis
8. Bechet's disease
9. Parasitic uveitis
  - a) Toxoplasmosis
  - b) Cysticercosis
10. Viral uveitis
  - a) HIV
  - b) CMV
11. Bacterial uveitis
  - a) TB
  - b) Leprosy
12. Panuveitis
13. Masquerade syndrome
14. White dot syndrome
  - a) Serpiginous choroidopathy
  - b) ARN
15. Miscellaneous

### B) SCLERA

1. Scleritis

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## A) UVEA

### ANATOMY

1. Blood supply of choroid, ciliary body and iris. (3+3+4) D2016
2. a) Anatomy of ciliary body with the help of diagram(s). b) Process of aqueous production and various factors that influence it. [3+(4+3)] D2015
3. Structure and anatomy, embryology and management of congenital abnormalities of iris. (3+3+4) D2014
4. Essential Iris atrophy. (2001)
5. Write briefly about Aniridia. (2006)

### DRUGS

#### IMMUNOSUPPRESSANTS/BIOLOGIS/ANRIMETABOLITES

6. a) Role of HLA in diagnosis of uveitis. b) What are the latest immunosuppressants used in treatment of uveitis? Discuss their mechanism of action advantages and disadvantages. (5+5) D 2019 (GUWAHATI)
7. Role of biological agents in management of patient with bilateral chronic uveitis 10 J2019
8. a) Role of immunosuppressive drugs in ophthalmic conditions. b) Enumerate the commonly used drugs with their dosage and complications. [4+(4+2)] D2017, J2019
9. What is the pharmacological mechanism of action of cyclosporine? What are its clinical uses in ophthalmology? (5+5) D2014
10. Discuss role of anti-metabolites and immunosuppressive drugs in Ophthalmology. (10) D2011
11. Cyclosporine- mechanism of action and clinical use in ophthalmology. J2010
12. What are immunosuppressive agents? Give broad classification and enumerate their clinical indication in ophthalmology. J2010,2007,2002,2000
13. What are biological immunosuppressive. Name few of them, as used in management of uveitis. J2009
14. Describe indication, contraindications, mechanism of action and complication of immunomodulatory agents in ophthalmology. (2008)
15. Various immunosuppressive used in resistant cases of posterior uveitis. (2010)

#### STEROIDS

16. What are the indications and modes of application of periocular steroids? What are their advantages and complications and what steps can be taken to prevent them? [(2+2) +(2+2+2)] D2015
17. a) Indications, routes of administration, dosage schedule and complication of steroids in uveitis.  
b) Role of alternative drugs used in uveitis. [(2+2+2) +2] J2015
18. Techniques, role, indications and advantages or disadvantages of periocular and intraocular steroids. (2+2+2+4) D2014
19. Name few intraocular steroid implants approved by FDA and mention its indications, contraindications and side effects. (2010)
20. Preparations, dosage, routes and indications of steroids in uveitis. (2008)
21. Steroid Pulse therapy. (2003)

### ANTERIOR UVEITIS

22. What are the various clinical feature and complications of acute attack of an acute uveitis? Discuss its management. (2+3+5) J2013
23. Management of AAU D2009.2000,1999

#### FUS

24. a) Causes of heterochromia iridis.  
b) Clinical features and management of Fuch's uveitis syndrome. (2+4+4) D2018, 2000
25. a) Differential diagnosis of heterochromia iridis. b) Features, complications and management of a case of Fuch's Uveitis Syndrome. (2+8) J2015
26. Write short note on Fuch's heterochromic cyclitis. J2009
27. Etiology, clinical features and management of Fuchs' heterochromic uveitis. (2009) (2008)

#### JIA

28. Juvenile Idiopathic Arthritis — Ocular manifestations and management. 4+6 D2019
29. What are the types, ocular clinical features and differential diagnosis of a case of juvenile idiopathic arthritis? (3+4+3) J2016
30. Differential diagnosis and management of a 10-year-old boy presenting with bilateral diminution of vision and swelling of the right knee. (5+5) J2015



31. What are the common causes of anterior uveitis in children? What are the common clinical presentations and management of Juvenile Spondyloarthritis? 4+(4+2) D2013
32. Discuss clinical features, diagnosis, complications and management of uveitis associated with juvenile rheumatoid arthritis. J2012

### UVEITIS IN NEPHRITIS

33. Clinical presentation and management of nephritic conditions causing uveitis. (2008)

### PARS PLANITIS/ INTERMEDIATE UVEITIS

34. Clinical features and management of intermediate uveitis. (4+6) D2016
35. Discuss pathogenesis, clinical features, diagnosis, differential diagnosis and management of intermediate uveitis. D2012
36. Describe signs and symptoms, management of pars planitis. D2010
37. Pars planitis. (2005) (2000) (1999)

### VKH

38. Discuss in detail about Vogt-Koyanagi Harada syndrome. (10) D2011
39. VKH Syndrome. (2005) (2001)

### SO

40. a) What is sympathetic ophthalmitis? How will you evaluate and manage b) what is the differential diagnosis of an iris nodule? (2+2+3) +3 D2019 (GUWAHATI)
41. A 30-year-old female got up at night with severe pain and watering in left eye. She gave history of a nail injury to her eye 1 year back. How would you approach and manage such a case? (10) J2016
42. Immunological Considerations in Sympathetic Ophthalmitis. (2007)
43. Sympathetic Ophthalmitis (2000)

### SARCOIDOSIS

44. Clinical features, investigations and management of ocular sarcoidosis. (3+3+4) D2017
45. Ocular manifestations of sarcoidosis. D2009
46. Describe clinical picture, management and sequel of sarcoid uveitis. J2009

### BEHÇET'S DISEASE

47. A 30-year-old male presented with genital lesions and complained of sudden diminution of vision in one eye followed 6 weeks later by similar diminution in the other eye. What are the possible diagnoses? Give broad guidelines in the management of each situation. (2+8) D2015
48. Write the ocular manifestations, systemic associations and management of Bechet's disease including recent drugs available for treatment. (3+1+6) D2013

### PARASITIC UVEITIS

#### TOXOPLASMOSIS

49. Clinical features and management of cases of CMV retinitis and toxoplasmic retinitis. (5+5) J2017
50. Discuss pathophysiology and management of ocular toxoplasmosis. (7 + 3) J2013
51. Discuss toxoplasmosis. (10) D2011
52. Etiology, clinical features and treatment of ocular toxoplasmosis. (2008)

#### CYSTICERCOSIS

53. Clinical feature, evaluation and management of ocular cysticercosis. (2+3+5) D2018
54. Clinical features, diagnosis and management of intra-ocular cysticercosis. (3+3+4) D2016
55. Discuss clinical features, diagnosis and management of intraocular and extraocular cysticercosis (3+3+ 4) J2013
56. Write in brief on ocular involvement in ocular Cysticercosis and briefly outline the management of ocular cysticercosis. D2012
57. Write down modern management of posterior segment intraocular cysticercosis. D2010
58. Clinical features and management of intraocular cysticercosis. (2008) (2005) (2003) (2001)



## **VIRAL UVEITIS**

### **HIV**

59. Diagnosis and features of HIV retinopathy and its relationship with CD4 counts. (5) J2018
60. Write about ocular manifestations of HIV and their relation to CD4+ cell. What is the impact of highly reactive anti-retroviral therapy on ocular effects of HIV? October 2017 FAT
61. Discuss in detail the ocular manifestations of AIDS. (10) J2013
62. What are the ocular features of HIV disease? What is the impact of HAART on ocular features? D2014
63. Ocular manifestation of AIDS. Its differential diagnosis and treatment. (2008)
64. Describe the ophthalmic manifestations of HIV infection. (2007) (2004) (2002) (2002)
65. Ophthalmic manifestations of AIDS and their management. (2006)

### **CMV**

66. Describe clinical features. Treatment and prognosis in case of Cytomegalovirus Retinitis. J2013
67. Clinical features, investigations, treatment and prognosis in a case of CMV retinitis. (2+2+4+2) D2018
68. Management of CMV Retinitis. (2005)
69. Cytomegalovirus Retinitis - clinical features, management, prognosis. (2008)

## **BACTERIAL UVEITIS**

### **TB**

70. Clinical features, diagnostic investigations and management of ocular tuberculosis. (2+4+4) J2017,2004

### **LEPROSY**

71. Enumerate the various ocular manifestations of Hansen's disease. (4) J2019,2003

## **PANUVEITIS**

72. Give the systemic associations of pan uveitis. (2003)

## **MASQUERADES**

73. Clinical features, Investigations and treatment of a case of primary intraocular lymphoma. (2+3+5) D2018
74. Presentation, systemic features, investigations and treatment of primary intraocular lymphoma. (2+2+3+3) J2015
75. Name the common syndromes that masquerade as anterior and posterior uveitis and their diagnostic tests. (5+5) J2010
76. Masquerade Syndrome. (2005)

## **WHITE DOT SYNDROME**

77. a) Differential diagnosis of White dot syndromes. b) Clinical features, evaluation and management of Serpiginous Choroidopathy. (3+7) J2019

## **SERPIGINOUS CHOROIDOPATHY, ARN**

78. What is the presentation, clinical features and management of a case of serpiginous choroidopathy? (2+4+4) J2016
79. Clinical signs and treatment of acute retinal necrosis. (2008)
80. Describe retinal necrosis syndrome. (2003)

## **MISCELLANEOUS**

81. a) Enumerate causes of iris cysts b) Discuss briefly management of different types of iris cysts (3+7) J2018
82. Differential diagnosis and management of a 47year old female patient presenting with unilateral hazy vitreous. (5+5) D2015
83. Nodules of the iris. (2005)
84. Investigations of uveitis. (2003) (2003)
85. Describe ocular onchocerciasis. (2002)
86. Endogenous uveitis. (2002)
87. Describe ocular onchocerciasis. (2002)
88. Endogenous uveitis. (2002)
89. Current concepts in management of uveitis. (1999)



## B) SCLERA

### SCLERITIS

90. a) Etiopathogenesis and clinical features of necrotizing scleritis.  
b) Evaluation and management of necrotizing scleritis. (5+5) D2018
91. a) Classification of scleritis. b) Clinical features, investigation and management of scleritis. [2+(2+3+3)] J2017
92. a) Clinical features and types of anterior and posterior scleritis. b) How will you investigate a case of scleritis?  
c) Management of necrotizing scleritis. (4+4+2) J2015
93. Classify scleritis. Discuss clinical manifestations, investigations and management of scleritis and its complications. J2012
94. Classification and brief clinicopathological profile of scleritis. (4+6) J2011
95. Investigations, etiology and management of a case of necrotizing scleritis. J2009
96. Scleritis and its management. (2006)
97. Scleritis. (2004) (2003) (2001)

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