



**DNB Ophthalmology
Question Bank
Strabismus
1999-2019**



Eye Learn

All about the Eye

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STRABISMUS



Eye Learn
All about the Eye

1. Esodeviation
 - a) Microtropia
 - b) Accommodative esotropia
 - c) Infantile esotropia
2. Exotropia
3. CDDD- Duane's retraction syndrome
4. Brown syndrome
5. AV Pattern strabismus
6. Paralytic strabismus
 - a) III NP
 - b) IV NP
 - c) VI NP
7. Gaze palsy
8. Nystagmus
9. Miscellaneous

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STRABISMUS

ANATOMY OF EOM

1. Attachments of extraocular muscles in relation to its primary and secondary functions. (2000)
2. Describe the surgical anatomy of extraocular muscles. (1999)

ESODEVIATION

ESOTROPIA

3. a) Classify esotropia.
b) How would you plan the management of convergence excess esotropia in a 5-year-old child?
4. c) Describe the choice of procedure and surgical planning in detail. (2+4+4) J2019
5. Classify and give complete management of esotropia (10) October 2017 FAT
6. Classification and management of esotropia in children. (4+6) J2017
7. a) Define and classify esotropia.
b) Management of a 6-year-old patient with esotropia. [(2+2) +6] J2015
8. How will you investigate a case of Convergent Squint with Nystagmus? (2006)
9. Discuss investigations of concomitant squint. (2003) (2000)

MICROTROPIA

10. What is microtropia? Discuss the types and clinical features of microtropia. D2012

ACCOMMODATIVE ESOTROPIA

11. Describe the clinical features and management of partially accommodative esotropia. D2012
12. Management of accommodative esotropia. D2009
13. Esotropia in 2 a years old-Principles and Management. (2005)
14. Convergent squint in a three years old child. (2001)

INFANTILE ESOTROPIA

15. Describe the clinical features, evaluation and management of infantile esotropia. (3+4+3) D2019
16. Classify and give complete management of esotropias in detail. (3+7) D2014
17. Describe the Clinical Features, investigations, indications and surgical management of infantile esotropia, and its post-operative complications. J2014
18. Define essential infantile esotropia? Give at least four differential diagnosis of essential infantile esotropia and give at least two differentiating features among them. (2+8) D2013
19. What are the features and differential diagnosis of infantile esotropia? When it should be operated and its prognosis for binocular single vision (BSV)? (5+5) J2011
20. Discuss management of congenital esotropia. (2002)

EXODEVIATION

21. a) What is intermittent exotropia? Describe briefly its classification and management. b) Describe Huber classification of Duane Retraction Syndrome (1+2+3) +4 D2019(GUWAHATI)
22. A 14-year-old boy is brought by his parents with occasional deviation of the eyes? Discuss differential diagnosis, evaluation and management of such a case. (2+4+4) D2018
23. Classify exotropia in children. Discuss its management. 5+5 D2017 2005
24. Classification of exodeviations. Elaborate the evaluation, diagnosis and management of exodeviation in a child of 4 years. October 2017 FAT
25. Describe the clinical features and management of intermittent divergent squint. 3+7 D2012
26. Give classification, clinical work up and management of primary exodeviation. J2010
27. Classification and management of primary divergent squint. J2009

CDDD

DUANE RETRACTION SYNDROME

28. Describe Huber classification of Duane Retraction Syndrome (4) D2019(GUWAHATI)
29. Classification and principles in the management of Duane Retraction Syndrome. (5+5) D2016
30. a) What is Duane's Retraction Syndrome?
b) Enumerate the types and describe the clinical features.

31. c) Management of a case of Duane's Retraction Syndrome with abnormal head posture. [1+ (2+3) +4] J2015
Classify congenital cranial dysinnervation disorders (CCDDs). Describe Duane's retraction syndrome and its management. J 2014
32. Duane's retraction syndrome. Classification, etiopathogenesis and management. (2008)

BROWN SYNDROME

33. a) How will you diagnose and manage a case of Brown syndrome? b) What is 'A' pattern? Discuss its causes and treatment. (5+5) D2019 (GUWAHATI)

AV PATTERN STRABISMUS

34. What is 'A' pattern? Discuss its causes and treatment. 5 D2019 (GUWAHATI)
35. Describe AV pattern deviations. Discuss etiology, Clinical features and management of these deviations. (2+2+3+3) J2013
36. How do you define A and V pattern in strabismus? How you will diagnose it and what is its clinical significance? D2010
37. Principles of management of A-V pattern strabismus. (2008)
38. A-V phenomenon in squint. (2003)
39. Discuss etiology, clinical features, investigations and management (including surgical) of V-exotropia. (2002) (1999)
40. A-exotropia, etiopathogenesis, clinical features and management. (2002) (2001)

DVD

41. What are dissociated vertical deviations (DVD)? How do you differentiate a DVD from an inferior oblique overaction? What is the management of DVDs? (2+4+4) D2015
42. Various types of eye movements. b) Various neuroanatomic pathways controlling eye movements. (5+5) D2014
43. Dissociated vertical deviation -its. etiology, differential diagnosis, clinical picture & management. (2002)

SURGERY

44. Role of Botulinum toxin in strabismus. What is Faden operation? (6+4) J2018
45. Describe Faden's operation as applied in management of strabismus. (10) D2013 2005
46. Describe muscle transplantation procedures in strabismus. (10) D2011

PARALYTIC STRABISMUS

47. Diagnosis of paralytic squint. (2000)
48. Surgical management of paralytic squint. (2000)

III NP

49. CF & management of 3rd nerve palsy (10) J2018
50. Causes, investigations and management of acute onset III nerve palsy. (4+3+3) D2017, 2008
51. Describe the applied anatomy of oculomotor nerve with the help of a diagram. Give causes of 3rd nerve palsy with treatment outline. D2012

IV NP

52. a) A 45-year-old patient presents with sudden onset vertical diplopia. What is the differential diagnosis?
b) Evaluation and management of acute onset vertical diplopia. (3+3+4) D2018
53. a. Anatomy of the superior oblique muscle. (2+2+6) D2014, 2003
b. Mechanism of its muscle actions in various directions of gaze.
c. Management of unilateral and bilateral superior oblique palsy.

VI NP

54. Management options in a case of lateral rectus palsy with visually disabling diplopia. (10) J2019
55. Describe pathological sequelae of right lateral rectus muscle paralysis J2009
56. Describe etiology, clinical features, investigations and management of 6th nerve palsy. J2012

GAZE PALSY

57. a) Supranuclear control of ocular movements.
b) Grades of binocular vision.
c) Tests for evaluation of binocular vision. (5+2+3) J2019



58. Define gaze palsy. Discuss various forms of gaze palsy with their localization value. D2012
59. Discuss supra-nuclear control of eye movements. (2008)
60. Classify ophthalmoplegia. Discuss internuclear ophthalmoplegia. (2006)
61. Internuclear Ophthalmoplegia. (2001)
62. Describe various etiological causes of horizontal gaze abnormalities. (1999)
63. Differential diagnosis of vertical gaze abnormality. (1999)

NYSTAGMUS

64. a) Nystagmus - Definition and types/classification. b) Approach & examination of a case of congenital nystagmus. c) Surgical options for management of nystagmus. (3+4+3) D2019
65. a) How do you assess a case of congenital nystagmus? b) What are the surgical options available to manage a case of nystagmus? (4+6) J2016
66. Management of Congenital Nystagmus with Squint. (2007)
67. Discuss nystagmus and its treatment. (2002)

MISCELLANEOUS

68. a) How do we test stereopsis? b) What is a Horopter? c) Anomalous retinal correspondence. 6+2+2 D2019 (GUWAHATI)
69. a) Sensory adaptation to strabismus.
b) What is fusional vergence?
c) Tests to measure visual acuity in preverbal children. (3+4+4) D2018
70. One and half syndrome cause and CF (4+6) J2018
71. Define abnormal retinal correspondence. Explain its development and methods of diagnosis. 2+(4+4) D2017
72. a) Difference between a Horopter and Panum's area.
b) Sensory and motor adaptations to strabismus. [4+(3+3)] J2015
73. What is binocular vision? What are the grades of binocular vision and mention a few important tests for stereopsis? (2+4+4) D2011
74. What is suppression in relation to strabismus? Discuss diagnosis and management of strategies of suppression. J2012
75. Orthophoria. (2005)
76. Management of Eccentric fixation. (2003)
77. Investigations of a case of Abnormal Head Posture. (2005)