

List of Illustrated Curriculum Gaps

December 4, 2018

153 total items

76 gaps with W&H citations (79 gaps with no W&H citations)

19 gaps with more than one W&H citation

2 headings with learning objects that haven't been linked

Location
I.A. Bony Anatomy – 2. Bony Communications – c. Inferior Orbital Fissure
I.A. Bony Anatomy – 2. Bony Communications – d. Ethmoidal Foramina
I.A. Bony Anatomy – 3. Skull – a. Anterior Cranial Fossa
I.A. Bony Anatomy – 3. Skull – b. Middle Cranial Fossa
I.A. Bony Anatomy – 3. Skull – c. Posterior Cranial Fossa
I.D. Anatomy of the Eyelids - 1. Anatomy of the Lacrimal Pathways
I.D. Anatomy of the Eyelids – 3. Eyelid Exam
I.J. Autonomic Anatomy
I.J. Autonomic Anatomy – 2. Parasympathetic – a. Lacrimal
I.K. Vascular Anatomy – 1. Arterial Anatomy – a. Internal Carotid Arteries and their Branches
I.K. Vascular Anatomy – 1. Arterial Anatomy – a. Internal Carotid Arteries and their Branches 2. Posterior Communicating Artery
I.K. Vascular Anatomy – 1. Arterial Anatomy – b. Circle of Willis
I.K. Vascular Anatomy – 1. Arterial Anatomy – d. Vertebrobasilar System
I.K. Vascular Anatomy – 1. Arterial Anatomy – d. Vertebrobasilar System 1. Vertebral Artery
I.K. Vascular Anatomy – 1. Arterial Anatomy – d. Vertebrobasilar System 2. Posterior Inferior Cerebellar Artery

I.K. Vascular Anatomy – 1. Arterial Anatomy – e. Aortic Arch
I.K. Vascular Anatomy – 2. Venous Anatomy— a. Cerebral Venous Sinuses 2. Superior and Inferior Petrosal Sinuses
I.K. Vascular Anatomy – 2. Venous Anatomy— a. Cerebral Venous Sinuses 3. Deep Venous System
II.A.1.a.ii. Stereopsis
II.A.1.a.iii. Color Vision Testing
II.A.1.a.vii. Amsler Grid
II.A.1.a.viii. Photostress Testing
II.A.1.b.i. Intraocular Pressure
II.A.1.b.ii. Resistance to Retropulsion
II.A.7. Examination of Children – a. Developmental Milestones for Children
II.B.1. Visual Field Testing – a. Automated Perimetry (familiarity with current perimeters and different testing strategies)
II.B.1. Visual Field Testing – b. Goldmann Perimetry (should be able to perform)
II.B.1. Visual Field Testing – c. Tangent Screen (should be able to perform)
II.B.2.f. Vestibular Testing
II.B.6. Imaging – d.Ophthalmodynamometry
II.B.6. Imaging – i. Conventional Angiogram
III.J. Ptosis
III.K. Lid Findings 3. Lagophthalmos
IV.A.3. Ganglion Cell
IV.B. Diseases of the Optic Nerve – 1. Ischemic Optic Neuropathy – d. Optic Neuropathy with Retinopathy
IV.B. Diseases of the Optic Nerve –2. Inflammation – b. Infectious – i. Optic Perineuritis
IV.B. Diseases of the Optic Nerve – 9. Hereditary
IV.C.2.a.iii. Benign vs malignant neoplasm
IV.E. Diseases of the Retrochiasmal Visual Pathways
IV.E. Diseases of the Retrochiasmal Visual Pathways— 2. Lateral Geniculate
IV.E. Diseases of the Retrochiasmal Visual Pathways— 3. Radiations
IV.E. Diseases of the Retrochiasmal Visual Pathways— 4. Calcarine Cortex
IV.E. Diseases of the Retrochiasmal Visual Pathways—

5. Association Areas
IV.E. Diseases of the Retrochiasmal Visual Pathways— 6. Specialized Syndromes— c. Balint Syndrome
IV.E. Diseases of the Retrochiasmal Visual Pathways— 6. Specialized Syndromes— d. Gerstmann Syndrome
IV.E. Diseases of the Retrochiasmal Visual Pathways— 6. Specialized Syndromes— e. Cerebral Achromatopsia
IV.E. Diseases of the Retrochiasmal Visual Pathways— 6. Specialized Syndromes— g. Acalculia
IV.E. Diseases of the Retrochiasmal Visual Pathways— 6. Specialized Syndromes— k. L-R Confusion
IV.E. Diseases of the Retrochiasmal Visual Pathways— 6. Specialized Syndromes— m. Concept of “Blindsight”
IV.E.6.q. Sturge Weber
IV.F. Pupillary Pathology— 4. Pupillary Changes Secondary to Ocular Diseases— a. Traumatic, Foreign Body
IV.F. Pupillary Pathology— 4. Pupillary Changes Secondary to Ocular Diseases— c. Neovascularisation
IV.F. Pupillary Pathology— 4. Pupillary Changes Secondary to Ocular Diseases— c. Neovascularisation— i. Ocular Surgery, Laser
IV.F. Pupillary Pathology— 5. Traumatic Pupillary Changes
IV.F. Pupillary Pathology— 8. Evaluation and Management of Specific Pupillary Disorders— d. Correctopia
IV.G. Eye Movement Systems Pathology— 10. Classical Brain Stem Syndromes— a. Foville
IV.G. Eye Movement Systems Pathology— 10. Classical Brain Stem Syndromes— b. Millard-Gubler
IV.G. Eye Movement Systems Pathology— 10. Classical Brain Stem Syndromes— f. Nothnagel
IV.G. Eye Movement Systems Pathology— 10. Classical Brain Stem Syndromes— g. Benedikt
IV.H. Nystagmus and Disorders of Ocular Stability— 6. Induced Nystagmus— b. Sounds (Tullio’s Phenomena)
IV.H. Nystagmus and Disorders of Ocular Stability— 6. Induced Nystagmus—

c. Calorics: Hot or Cold Water in Ear
IV.I. Eyelid Position Abnormalities— 2. Ptosis— a. Pseudoptosis
IV.I. Eyelid Position Abnormalities— 2. Ptosis— b. Congenital
IV.I. Eyelid Position Abnormalities— 2. Ptosis— c. With Elevator Palsy
IV.I. Eyelid Position Abnormalities— 2. Ptosis— e. Blepharophimosis
IV.I.2.g.iii. Oculopharyngeal
IV.I.2.h.i.a. Lambert-Eaton
IV.I. Eyelid Position Abnormalities— 5. Lid Bobbing
IV.J. Facial Nerve Dysfunction— 7. Facial Tics
IV.J. Facial Nerve Dysfunction— 8. Facial Dystonia (Meige's Syndrome)
V.A.5. Cranial Dysotoses (Craniosynotosis)
V.A.7. Other Disc Anomalies— a. Congenital Optic Nerve Anomalies
V.A.8. Common Malformations of the Eye and Orbit
V.B.1.a.iii. Fibromuscular Dysplasia
V.B.1.a.iv. Ehlers-Danlos Syndrome
V.B.3. Vascular Disease— a. Vascular Risk Factors
V.B.3. Vascular Disease— b. Prevention of Vascular Disease
V.B.6. Autoimmune Diseases, Classification of Vasculitides— a. Specific Vasculitides with Ocular and Neurologic Manifestations— iv. Antiphospholipid Antibody Syndrome
V.C.1.d.iii. Sixth (Abducens)
V.C.2. Increased Intracranial Pressure— a. Differential Diagnosis and Management of Intracranial Hypertension— iii. Subarachnoid Hemorrhage
V.C.2. Increased Intracranial Pressure— b. Neuro-Ophthalmic Manifestations and Complications
V.C.3.a.viii. Posterior Reversible Encephalopathy
V.C.3.b.vi. Behcet's Disease
V.C.3. Vascular Disease of the Brain and the Eye— d. Neuro-Ophthalmologic Manifestations of Stroke
V.C.3. Vascular Disease of the Brain and the Eye— f. Venous Sinus Thrombosis

V.C.3. Vascular Disease of the Brain and the Eye— g. Hemorrhage— i. Subarachnoid
V.C.3. Vascular Disease of the Brain and the Eye— g. Hemorrhage— iii. Thalamic Hemorrhage
V.C.3.g.vi. Cerebellar Hemorrhage
V.C.3.g.vii. Optic Nerve Hemorrhage
V.C.3.g.viii. Optic Chiasm Hemorrhage
V.C.3. Vascular Disease of the Brain and the Eye— h. Intracranial Vascular Malformations, Diagnosis, and Neuro- Ophthalmologic Manifestations
V.C.3.h.i.b. Cavernous Sinus Aneurysms
V.C.4. Seizures with Neuro-Ophthalmologic Manifestations— b. Pupillary Changes, Ocular Movement Changes During Seizures
V.C.9. Neuro-Degenerative Diseases— c. Vascular Dementias
V.C.9. Neuro-Degenerative Diseases— f. Tauopathy
V.C.10. Polyradiculopathies— a. Guillain-Barré
V.C.12. Myopathies (Involving the Extraocular Muscles)— a. Congenital Myopathies/Oculopharyngeal Muscular Dystrophy— i. Dystrophies/Ion Channel Disorders (Myotonia)
V.C.12. Myopathies (Involving the Extraocular Muscles)— d. Metabolic – Toxic
V.C.12. Myopathies (Involving the Extraocular Muscles)— d. Metabolic – Toxic— i. Drug Induced, Toxic
V.C.12. Myopathies (Involving the Extraocular Muscles)— e. Inflammatory— ii. Orbital Inflammatory Disease
V.C.12. Myopathies (Involving the Extraocular Muscles)— g. Congenital Syndromes Involving the Extraocular Muscles— i. Anomalous Muscle Insertions
V.C.12. Myopathies (Involving the Extraocular Muscles)— g. Congenital Syndromes Involving the Extraocular Muscles— ii. Brown's Syndrome
V.C.13. Headache and Facial Pain— a. Classification of Headaches and Facial Pain Proposed by the International Headache Society (IHS)
V.C.13. Headache and Facial Pain— b. Migraine— i. Migraine Without Aura
V.C.13. Headache and Facial Pain— b. Migraine— vi. Hemianopia After Migraine
V.C.13. Headache and Facial Pain— c. Tension Headaches—

i. Episodic
V.C.13. Headache and Facial Pain— c. Tension Headaches— ii. Chronic
V.C.13. Headache and Facial Pain— c. Tension Headaches— ii. Chronic
V.C.13. Headache and Facial Pain— e. Headache Associated with Increased Intracranial Pressure
V.C.13. Headache and Facial Pain— f. Headache and Facial Pain of Vascular Origin
V.C.13. Headache and Facial Pain— g. Ocular Pain Related to Ocular or Optic Nerve Disease
V.C.14. Psychiatric Illness
V.D.1. Retinal Disorders— a. Vascular
V.D.1.c.ii. Idiopathic retinal vasculitis
V.D.1.c.iii. AMPPE
V.D.1.d.iii. White Dot Syndromes
V.E.3. Various Drugs with Specific Neuro-Ophthalmologic Complications, Including— a. Cyclosporine
V.E.3. Various Drugs with Specific Neuro-Ophthalmologic Complications, Including— g. Vasoconstrictors
V.E.3. Various Drugs with Specific Neuro-Ophthalmologic Complications, Including— h. Steroids
V.F.1. Terminology— a. Factitious (Münchhausen's)
V.F.1. Terminology— b. Malingering
V.F.1. Terminology— c. Conversion Reaction
V.F.1. Terminology— d. Exaggeration— i. Hypochondriasis
V.F.1. Terminology— d. Exaggeration— ii. Somatization Disorder
V.F.2. Clinical Presentations— b. Visual Field Defects
V.F.3. Specific Techniques of Evaluation
VI.A.2. Principles and Complications of Strabismus Surgery
VI.A.7. CSF Shunting Procedures
VIII.A. Administration— 1. Credentialing, Career Development, Recruitment, Budgeting, Health Care Financing, Managed Care, Public Relations, Personnel Management, Marketing, Hospital Administration, Practice Management, Contracts, Work Schedule
VIII.A. Administration—

2. JCAHO Requirements Relating to Neuro-Ophthalmolog (Staffing, Equipment and Supplies, Facilities, Quality Insurance)
VIII.B. Research— 1. Read and Analyze Scientific Articles
VIII.B. Research— 4. Ethical Issues in Research, Including Consent and Researchers’ Interactions with Corporate Funding Sources (Conflict of Interest)
VIII.B. Research— 5. Write and Publish a Manuscript
VIII.D. Ethics and Professionalism— 2. Knowledge of Cost, Resource Allocation, Quality of Care, and Access to Care Issues
VIII.D. Ethics and Professionalism— 3. Basic Familiarity with Medical Malpractice
VIII.D. Ethics and Professionalism— 4. Physician-Physician Relationships
VIII.D. Ethics and Professionalism— 5. Laws Relating to Drug Dispensing, Regulation, and Abuse
VIII.D. Ethics and Professionalism—6. Role of Expert Witness in Medico-Legal Procedures
VIII.E. Neuro-Ophthalmologic Resources— 1. Organizations— a. NANOS
VIII.E. Neuro-Ophthalmologic Resources— 1. Organizations— b. INOS
VIII.E. Neuro-Ophthalmologic Resources— 1. Organizations— c. EUNOS
VIII.E. Neuro-Ophthalmologic Resources— 1. Organizations— d. AAN
VIII.E. Neuro-Ophthalmologic Resources— 1. Organizations— e. ANA
VIII.E. Neuro-Ophthalmologic Resources— 1. Organizations— f. AAO
VIII.E. Neuro-Ophthalmologic Resources— 1. Organizations— g. ARVO
VIII.E. Neuro-Ophthalmologic Resources— 1. Organizations— h. Regional Organizations
VIII.E. Neuro-Ophthalmologic Resources— 1. Organizations—

i. NEI
VIII.E. Neuro-Ophthalmologic Resources— 1. Organizations— j. NINDS
VIII.E. Neuro-Ophthalmologic Resources— 2. Journals
IX. References A - K
V.F.1. Terminology— a. Factitious (Münchausen's)
V.F.1. Terminology— b. Malingering
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VIII.D. Ethics and Professionalism—6. Role of Expert Witness in Medico-Legal Procedures