

OPT-1721: ADVANCED PATIENT CARE

Cuyahoga Community College

Viewing: OPT-1721 : Advanced Patient Care

Board of Trustees:

January 2023

Academic Term:

Fall 2023

Subject Code

OPT - Optical Technology

Course Number:

1721

Title:

Advanced Patient Care

Catalog Description:

Study of skills that are important to an Ophthalmic Assistant such as refraction, tonometry, depth perception, pupillary evaluation, and instrument maintenance. Designed to prepare the student to work within an Ophthalmology practice as well as pursue certification as an Ophthalmic Assistant.

Credit Hour(s):

2

Lecture Hour(s):

1

Lab Hour(s):

2

Requisites

Prerequisite and Corequisite

OPT-1710 Introduction to Patient Care.

Outcomes

Course Outcome(s):

Perform preliminary ophthalmic exam procedures.

Objective(s):

- a. Evaluate pupils of a patient.
- b. Estimate anterior chamber depth.
- c. Administer eye drops and ointment.
- d. Measure intraocular pressure.

Course Outcome(s):

Assist ophthalmologist with minor surgery.

Objective(s):

- a. Prepare patient for surgery and answer patient's questions.
 - b. Prepare surgical instruments for use during surgery.
 - c. Demonstrate surgical assisting skills.
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Course Outcome(s):

Perform administrative office duties for an Ophthalmology practice.

Objective(s):

- a. Discuss proper telephone and reception etiquette for the ophthalmic office.
 - b. Explain proper methods for scheduling appointments and booking for the arriving patient.
 - c. Describe the administrative duties that are required of an ophthalmic assistant.
 - d. Explain methods to use to ensure patient satisfaction.
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Methods of Evaluation:

- a. Examinations
- b. Quizzes
- c. Assignments

Course Content Outline:

- a. Basic Skills
 - i. Office Procedures
 1. Patient satisfaction
 2. Telephone etiquette
 3. Scheduling Appointments
 4. Booking the arriving patient
 5. Reception room etiquette
 6. Running late
 7. Scheduling future appointments
 8. Recall cards
 9. Filing
 10. Secretarial duties
 11. Medical ethics
 12. Public relations
 13. Patient surveys
 14. Publicity
 15. Advertising
- b. Review of Lensometry
- c. Preliminary Examination
 - i. Vision assessment
 - ii. Accommodation
 - iii. Convergence
 - iv. Color vision
 - v. Depth perception
 - vi. External examination
 - vii. Examination of the ocular muscles
 - viii. Instillation of eye drops and ointment
 - ix. Ophthalmoscopy
 - x. Visual fields (Confrontation)
- d. Refraction
 - i. Emmetropia
 - ii. Ametropia
 - iii. Refractometry and refraction
 - iv. Retinoscopy
 - v. Autorefractors
 - vi. Subjective refining of refraction

- vii. Anisometropia
- viii. Aphakia
- ix. When to refract after cataract surgery
- x. Presbyopia
- e. Tonometry
 - i. Applanation
 - ii. Non-contact (Puff test)
 - iii. Tonopen
 - iv. Complications/contraindications
 - v. Factors altering intraocular pressure
- f. Ophthalmic Pharmacology
 - i. General principles
 - ii. Complications of locally administered drugs
 - iii. Prescription writing
 - iv. Autonomic drugs
 - v. Drugs that lower the intraocular pressure
 - vi. Anesthetics
 - vii. Anti-allergic and anti-inflammatory drugs
 - viii. Antibiotics
 - ix. Antivirals
 - x. Contact lens solutions
 - xi. Stains
 - xii. Side effects of systemic medication
- g. Subspecialties in Ophthalmology
 - i. Retina
 - ii. Glaucoma
 - iii. Uveitis
 - iv. Oncology
 - v. Neurophthalmology
 - vi. Pediatric Ophthalmology
- h. Instrument Maintenance
 - i. Acuity projector
 - ii. Retinoscope
 - iii. Lensometer
 - iv. Visual Fields Analyzer
 - v. Tangent screen
 - vi. Phoropter
 - vii. Slit lamp
 - viii. Ultrasound
 - ix. Keratometer
 - x. Lenses
 - xi. Tonometer
 - xii. Penlight
 - xiii. Special instruments
 - xiv. Surgical instruments
- i. Minor Surgical Assisting
 - i. Patient preparation before surgery
 - 1. Informed consent
 - 2. Patient assistance
 - 3. Patient questions
 - ii. Administration of anesthetics

- iii. Surgical materials and instruments
 - 1. Sutures and needles
 - 2. Forceps
 - 3. Scissors
 - 4. Needle holders
 - 5. Clamps and curettes
 - 6. Scalpels and blades
 - 7. Lacrimal instruments
- iv. Common surgical procedures
 - 1. Chalazion surgery
 - 2. Other lid-lesion surgery
 - 3. Lacrimal-system probing
- v. Surgical assisting skills
 - 1. Aseptic technique and office surgery
 - 2. Scrubbing, gloving, prepping, and draping
 - 3. Preparation of instrument tray
 - 4. Tasks during surgery
 - 5. Disposition of instruments and materials

Resources

American Academy of Ophthalmology. *Introducing Ophthalmology: A Primer for Office Staff*. 2nd ed. Amer. Acad. of Ophthalmology, 2002.

Ledford, Janice. *Principles and Practice in Ophthalmic Assisting (A Comprehensive Textbook)*. Thorofare, NJ: Slack Incorporated, 2018.

Newmark, Emmanuel ed. *Ophthalmic Medical Assisting*. 10th ed. San Francisco: American Academy of Ophthalmology, 2017.

O'Hara, Mary A. *Ophthalmic Medical Assisting: An Independent Study Course*. 6th. American Academy of Ophthalmology, 2017.

Stein, Harold A. et al. *The Ophthalmic Assistant: A Text for Allied and Associated Ophthalmic Personnel*. 11th ed. St. Louis: Elsevier, 2022.

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