

Course Description

OPT2831L | Contact Lenses Clinic 2 | 1.00 credit

Use of the soft contact lens instruments to confirm all the parameters for replacement lens. Particular attention is devoted to the patient that is having problems with contact lenses after long-term wear due to corneal changes and sensitivity to solutions under direct supervision of an optometrist. Prerequisite: OPT2830C

Course Competencies:

Competency 1: The student will be able to demonstrate knowledge of terminology related to contact lenses and solutions by:

1. Defining key terms associated with contact lenses and their solutions
2. Identifying components and classifications of contact lenses
3. Explaining the functions of various contact lens solutions
4. Comparing different types of contact lens materials and their properties
5. Distinguishing between solution brands based on composition and use
6. Describing the procedures for proper care and maintenance of contact lenses
7. Illustrating the steps for safe handling and storage of contact lenses
8. Summarizing the indications and contraindications for specific contact lens solutions

Competency 2: The student will demonstrate knowledgeable and courteous patient handling by:

1. Assessing patient needs prior to initiating handling procedures
2. Explaining procedures to patients to ensure understanding and comfort
3. Positioning patients safely and effectively for various clinical situations
4. Supporting patients physically and emotionally during handling
5. Utilizing proper body mechanics to prevent injury during patient transfers
6. Monitoring patient responses and adjusting handling techniques as needed
7. Communicating clearly with patients and healthcare team members throughout the process
8. Documenting patient handling procedures and any observed outcomes accurately

Competency 3: The student will be able to conduct the preliminary contact lens work-up, and with that data and the data from the most recent eye exam, decide the type of contact lens and parameters needed to fit the patient by:

1. Gathering patient history relevant to contact lens fitting
2. Measuring corneal curvature and diameter using appropriate instrumentation
3. Assessing tear film quality and quantity for lens suitability
4. Interpreting data from the most recent eye examination
5. Comparing preliminary work-up findings with standard fitting criteria
6. Selecting appropriate contact lens types based on clinical data
7. Determining lens parameters such as base curve, diameter, and material
8. Documenting the rationale for lens selection and recommended parameters

Competency 4: The student will conduct follow-up visits (and/or follow-up phone calls) and make the final suggestion for the contact lens prescription by:

1. Gathering comprehensive patient feedback during follow-up visits or phone calls
2. Assessing the fit and comfort of contact lenses through patient interviews and examinations
3. Analyzing visual acuity results obtained during follow-up appointments
4. Identifying any complications or issues related to contact lens wear
5. Documenting patient progress and any adjustments made to the prescription
6. Comparing initial and follow-up data to determine the effectiveness of the prescribed lenses
7. Recommending final adjustments to the contact lens prescription based on clinical findings

Competency 5: The student will instruct patients in lens care, hygiene, maintenance, insertion and removal and wearing schedule by:

1. Demonstrating proper lens insertion and removal techniques to patients
2. Explaining the steps involved in daily and routine lens hygiene
3. Illustrating maintenance procedures for various types of lenses
4. Outlining recommended wearing schedules based on patient needs
5. Emphasizing the importance of regular lens cleaning and storage practices
6. Assessing patient understanding of lens care instructions through questioning
7. Reinforcing safe handling practices to prevent contamination or damage

Learning Outcomes

- Formulate strategies to locate, evaluate, and apply information
- Demonstrate knowledge of global and historical perspectives
- Create strategies that can be used to fulfill personal, civic, and social responsibilities