

Dilation Certification Program

Clinical Certification in Ocular Pharmacology and Pupil Dilation

Instructor: Dr. Bruce Dornn, OD

Course Fee: \$4,500

Format: Professional Clinical Certification Program

Target Audience: Optometrists, Ophthalmic Technicians, Clinical Staff, Nurses, and Healthcare Professionals working in eye care settings

Course Overview

Pupil dilation is an essential clinical procedure used to thoroughly evaluate the posterior segment of the eye and identify potential ocular and systemic health conditions. Proper administration of dilation agents requires a clear understanding of ocular pharmacology, patient safety protocols, and appropriate clinical procedures.

The Dilation Certification Program provides healthcare professionals with the knowledge and clinical foundation necessary to safely administer dilation agents and assist in comprehensive eye examinations. Participants will learn the pharmacological principles of dilation medications, patient screening procedures, administration techniques, and monitoring protocols.

This program emphasizes patient safety, proper documentation, and clinical best practices. By completing this course, participants will gain the skills required to support eye care professionals in conducting thorough examinations while maintaining high standards of patient care.

Course Learning Objectives

Upon completion of this course, participants will be able to:

- Understand the pharmacological principles of ocular dilation medications

- Identify appropriate indications for pupil dilation during eye examinations
 - Conduct patient screening to determine eligibility for dilation
 - Safely administer dilation agents according to clinical protocols
 - Monitor patients during and after dilation procedures
 - Recognize potential side effects and complications
 - Document clinical procedures accurately
 - Follow safety guidelines and professional standards in eye care settings
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Course Structure

The course is organized into **10 structured modules** designed to provide both theoretical understanding and practical clinical application.

Module 1: Introduction to Pupil Dilation in Eye Care

This module introduces the purpose and clinical importance of pupil dilation during eye examinations.

Topics include:

- Role of dilation in comprehensive eye exams
- Importance of posterior segment evaluation
- Overview of dilation procedures in clinical practice
- Patient benefits and diagnostic value

- Clinical workflow considerations
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Module 2: Anatomy of the Eye and Pupillary Function

Participants will review the anatomical structures involved in pupil dilation and eye examination.

Topics include:

- Anatomy of the iris and pupil
 - Pupillary reflex pathways
 - Neurological control of pupil response
 - Normal pupil function and abnormalities
 - Clinical relevance of pupillary assessment
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Module 3: Ocular Pharmacology of Dilation Agents

Understanding medications used for dilation is essential for safe clinical practice.

Topics include:

- Types of dilation medications
- Mechanisms of action
- Pharmacological effects on ocular tissues

- Duration and onset of dilation
 - Contraindications and precautions
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Module 4: Patient Screening and Risk Assessment

Proper patient screening ensures safe administration of dilation medications.

Topics include:

- Reviewing patient medical history
 - Identifying contraindications
 - Recognizing risk factors
 - Patient consent and communication
 - Pre-procedure evaluation
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Module 5: Administration Techniques for Dilation Agents

Participants will learn proper procedures for administering dilation medications.

Topics include:

- Preparing medications for administration
- Proper eye drop instillation techniques

- Maintaining sterile procedures
 - Ensuring patient comfort during administration
 - Monitoring medication effects
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Module 6: Monitoring Patients After Dilation

After administering dilation agents, patients must be monitored to ensure safety.

Topics include:

- Monitoring pupil response
 - Assessing patient comfort
 - Managing light sensitivity and blurred vision
 - Patient safety during clinical evaluation
 - Post-procedure guidance
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Module 7: Recognizing and Managing Complications

Although rare, complications may occur following dilation.

Topics include:

- Identifying adverse reactions
- Managing allergic responses

- Recognizing signs of acute angle closure
 - Emergency response protocols
 - Reporting and documentation procedures
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Module 8: Clinical Applications of Dilation

Participants will explore how dilation improves diagnostic capabilities during eye examinations.

Topics include:

- Retinal examination techniques
 - Optic nerve evaluation
 - Identifying retinal diseases
 - Diagnosing macular conditions
 - Improving diagnostic accuracy
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Module 9: Documentation and Legal Considerations

Proper documentation ensures compliance with healthcare regulations and professional standards.

Topics include:

- Recording dilation procedures in patient charts
- Electronic health record documentation

- Legal considerations and professional responsibilities
 - Informed consent procedures
 - Maintaining clinical records
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Module 10: Clinical Workflow and Team Integration

This module focuses on integrating dilation procedures into daily clinical operations.

Topics include:

- Role of technicians and clinical staff
 - Coordinating with eye care professionals
 - Efficient patient flow during examinations
 - Clinical safety protocols
 - Maintaining quality standards in practice
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Teaching Methodology

This course combines multiple teaching approaches to support practical clinical learning.

Methods include:

- Clinical lectures and demonstrations
- Pharmacology education

- Case-based discussions
- Patient safety protocols
- Clinical workflow training

Participants will gain practical knowledge that can be immediately applied within clinical eye care environments.

Certification

Participants who successfully complete the program will receive a **Certificate of Completion in Ocular Dilation Procedures**, recognizing their training in safe pupil dilation techniques and clinical support for comprehensive eye examinations.

Instructor

Dr. Bruce Dornn, OD

Dr. Bruce Dornn is an experienced optometrist, educator, and international lecturer who has delivered more than 10,000 hours of professional education to healthcare professionals worldwide. His work focuses on advancing clinical education, improving patient care, and integrating modern technologies into optometry practices.

Dr. Dornn is also the co-author of *The Envision Book – The Dry Eye Treatment Revolution With Energy Based Devices*, which explores innovative technologies used in the treatment of chronic dry eye disease.