

Dry Eye Disease Masterclass

Advanced Clinical Training Program

Instructor: Dr. Bruce Dornn, OD

Course Fee: \$5,000

Format: Professional Clinical Education Program

Target Audience: Optometrists, Ophthalmologists, Healthcare Professionals, Ophthalmic Technicians, and Clinical Staff

Course Overview

Dry Eye Disease (DED) is one of the most common and increasingly complex conditions encountered in modern eye care. Advances in diagnostic technology and treatment methods have transformed the way clinicians evaluate and manage patients suffering from dry eye symptoms and Meibomian Gland Dysfunction (MGD).

The Dry Eye Disease Masterclass provides healthcare professionals with a comprehensive understanding of the underlying mechanisms of dry eye disease, modern diagnostic protocols, and evidence-based treatment strategies. The program combines clinical theory with practical applications, enabling participants to implement effective dry eye management systems within their practices.

Participants will gain insight into emerging technologies, including energy-based treatment modalities such as radio frequency and Intense Pulsed Light (IPL), and learn how to develop structured dry eye treatment programs that improve patient outcomes and practice growth.

Course Learning Objectives

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

- Understand the anatomy and physiology of the tear film and ocular surface

- Identify and classify different types of dry eye disease
 - Perform comprehensive dry eye evaluations using modern diagnostic tools
 - Diagnose and manage Meibomian Gland Dysfunction
 - Develop individualized treatment plans for patients with chronic dry eye
 - Integrate advanced treatment technologies into clinical practice
 - Educate patients effectively about dry eye disease and long-term management
 - Establish a structured dry eye treatment program within a clinical practice
-

Course Structure

The course is organized into **10 structured modules** that combine clinical education, case-based learning, and practical implementation strategies.

Module 1: Introduction to Dry Eye Disease

This module introduces the epidemiology and clinical significance of dry eye disease in modern healthcare.

Topics covered include:

- Definition and classification of Dry Eye Disease
- Global prevalence and risk factors
- Impact on patient quality of life
- Economic and healthcare implications

- Evolution of dry eye diagnosis and treatment
-

Module 2: Anatomy and Physiology of the Ocular Surface

Participants will review the anatomical structures involved in maintaining ocular surface health.

Topics include:

- Tear film layers and composition
 - Meibomian glands and lipid secretion
 - Lacrimal gland function
 - Eyelid anatomy and blinking mechanics
 - Ocular surface homeostasis
-

Module 3: Pathophysiology of Dry Eye Disease

This module explores the biological mechanisms that contribute to dry eye development and progression.

Key topics include:

- Inflammatory pathways in dry eye disease
- Tear film instability
- Hyperosmolarity

- Neurosensory abnormalities
 - Environmental and systemic contributors
-

Module 4: Clinical Evaluation and Diagnostic Protocols

Participants will learn how to perform structured diagnostic evaluations to accurately identify dry eye disease.

Topics include:

- Patient history and symptom evaluation
 - Ocular surface examination
 - Tear break-up time (TBUT)
 - Schirmer testing
 - Meibography
 - Tear osmolarity testing
 - Ocular surface staining techniques
-

Module 5: Meibomian Gland Dysfunction (MGD)

This module focuses on one of the leading causes of evaporative dry eye.

Participants will learn:

- Pathogenesis of Meibomian Gland Dysfunction
 - Clinical signs and diagnostic indicators
 - Gland expression techniques
 - Gland imaging interpretation
 - Treatment strategies for MGD
-

Module 6: Treatment Options for Dry Eye Disease

Participants will review a wide range of therapeutic options used to manage dry eye.

Topics include:

- Artificial tears and lubricants
 - Anti-inflammatory medications
 - Nutritional supplementation
 - Lid hygiene and eyelid therapy
 - Prescription medications
 - Lifestyle and environmental management
-

Module 7: Advanced Treatment Technologies

This module introduces modern device-based treatments that are transforming dry eye care.

Topics include:

- Intense Pulsed Light (IPL) therapy
 - Radio Frequency (RF) treatments
 - Thermal pulsation technologies
 - Emerging therapeutic devices
 - Patient selection criteria
-

Module 8: Clinical Case Studies

Participants will review real-world clinical cases to reinforce diagnostic reasoning and treatment planning.

Topics include:

- Case-based diagnostic analysis
 - Treatment protocol design
 - Monitoring treatment outcomes
 - Managing complex or refractory cases
-

Module 9: Patient Communication and Long-Term Management

Effective patient education and long-term care strategies are critical to successful dry eye management.

Topics include:

- Communicating diagnoses to patients
 - Setting treatment expectations
 - Long-term maintenance plans
 - Improving treatment adherence
 - Patient lifestyle counseling
-

Module 10: Building a Dry Eye Specialty Clinic

This module focuses on implementing dry eye services.

Topics include:

- Creating a dry eye treatment program
 - Clinical workflow integration
 - Staff training and delegation
 - Equipment selection
 - Marketing dry eye services
 - Practice growth strategies
-

Teaching Methodology

This course utilizes a combination of:

- Clinical lectures

- Case-based analysis
- Diagnostic demonstrations
- Treatment protocol discussions
- Practical implementation strategies

Participants will gain both theoretical knowledge and practical insight applicable to clinical practice.

Certification

Upon successful completion of the program, participants will receive a **Certificate of Completion in Advanced Dry Eye Disease Management**, confirming their participation in this professional training program.

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 providers worldwide. His expertise includes dry eye disease management and clinical innovation.

He is also the co-author of *The Envision Book – The Dry Eye Treatment Revolution With Energy Based Devices*, which explores modern technologies for treating chronic dry eye and Meibomian Gland Dysfunction.