



Course Summary

Epidemiological Evidence of an Epidemic: Diabetic Retinopathy

COPE # 36640-SD

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Course Description

This course will provide an overview of the issues related to diabetes worldwide and review the epidemiology and risk factors of diabetic retinopathy. Review of clinical studies on which treatment of diabetic retinopathy is based.

Course Learning Objectives

1. Understand the impact of the diabetes in USA and worldwide
2. Understand various risk factors in the disease process of diabetic retinopathy
3. Understand the outcomes of various population based studies in management of patients with diabetic retinopathy.

Course Outline

1. Worldwide diabetic epidemic
 - a. Review of current statistics and projections of the epidemic
 - b. Pre-diabetes and undiagnosed cases
2. Epidemiology and risk factors of diabetic retinopathy
 - a. Prevalence, incidence and progression of diabetic retinopathy
 - b. Risk factors: Age, Race, duration of disease, hyperglycemia, hypertension, hyperlipidemia, obesity, exercise, inflammation
3. Clinical studies on treatment of diabetic retinopathy
 - a. Early treatment Diabetic Retinopathy study (ETDRS)
 - b. Diabetes control and Complications Trial (DCCT)
 - c. United Kingdom Prospective Diabetes Study (UKPDS)