Presenter: Gagan Sawhney, MD

Title: ***Sustained Released Intracameral Glaucoma Implants***

This course identifies the skills and knowledge necessary to be proficient in glaucoma medication management.

The course will review various treatment options for patients with glaucoma, actual patient case review, as well as review of clinical studies supporting the medication options.

1) Introduction

- Glaucoma Incidence

- Reasons For Progression

- Non Compliance, Late Detection, Target IOPs

- Need for alternative Therapies

2) Case presentation 1

- Non Compliant Patient with Glaucoma Progression

- Ocular Vitals

- POH

- VF

- RNFL/GCA

3) Case Presentation 2

- Non Compliant Patient with Glaucoma Progression

- Signicant Ocular Surface disease

- Ocular Vitals

- POH

- VF

- RNFL/GCA

3) Review of Treatment Options

- Medication

- Prostaglandins, Aqueous Suppresant, Rhokinase Inhibitors

- SLT

- MIGS

- Intracameral Sustained Release Medication

3) SR Intracameral Bimatioprost

- Design

- Polymermatrix Design for sustained release

- Bio degradation to Latic and glycolic acid

4) SR Intracameral Bimatoprost Injector

- Discuss Injector

- Needle, Safety Cap, Applicator Button

5) Administration Technique

- Sterilization

- Injection Method, VIDEO

6) Complications During Injection

- Implant floats

- Implant stuck to injector

- Implant lodged in administration track

7) Clinical Study Review Phase 3 Studies

- Study design

- Inclusion and exclusion criteria

- outcomes

8) Clinical Study Phase 2 review

- Study design

- Discuss duration length on one implant

9) Adverse Event Outcomes

- Corneal Edema

- Hyperemia