



The 2024 Refractive Surgery Master Class

Module 1

Why this course
Curriculum
Time Table
Registration

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Five Compelling Reasons

- 1 Detailed and in-depth**
- 2 Up-to-date**
- 3 Scientific-based**
- 4 Leading international faculty**
- 5 Helpful to sit exams**



Overview



Module 1

Pre-op Workup & Diagnostics

Module 2

Laser-based Refractive Surgery

Module 3

Lens-based Refractive Surgery

Module 4

Complications Management

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Overview



Module 1

Pre-op Workup & Diagnostics

Module 2

Laser-based Refractive Surgery

Module 3

Lens-based Refractive Surgery

Module 4

Complications Management

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Curriculum

Module 1



Part 1: History taking

1. Social and occupational
2. Ocular
3. General
4. Family

Part 2: Examination

1. Visual acuity
2. Ocular motility and binocular vision
3. Clinical refraction
4. Orbit and eye anatomy
5. Pupil geometry
6. External examination and SLT biomicroscopy
7. Ocular surface evaluation
8. IOP measurement
9. Dilated fundus exam
10. Tests for presbyopia treatment

Part 3: Ocular surface disease (OSD)

1. Normal surface components
2. OSD manifestations
3. Dry eye disease
4. Meibomitis-related keratoconjunctivitis
5. Neurotrophic Keratopathy
6. Management of OSD



Curriculum

Module 1



Part 4: Investigations

1. Corneal Tomography

A. Introduction

- Corneal geometry
- Principles of Measurements
- Topography vs. tomography
- Devices

B. Maps and Profiles

C. Clinical Interpretation

- Validation
- Normal vs. abnormal
- Indices and Softwares
- Exclusion of false findings
- The Practical Subjective Scoring System

D. Ectatic corneal diseases

- Definition
- Tomographic features
- Progression

E. Differential diagnosis of ECDs

2. Wavefront science and aberrometry

A. Clinical aberrations

B. Types of aberrations

C. Principles of measurements

D. Clinical Interpretation and applications





Part 4: Investigations (continued..)

3. Anterior segment OCT

- A. AS-OCT for diagnosis
- B. AS-OCT for treatment

4. Epithelial Mapping

- A. Reinstein's Rules for Remodeling
- B. Screening for Ectasia Risk
- C. The false and true hot spot
- D. Changes after CXL
- E. Postoperative understanding of outcomes

5. Corneal Biomechanics

- A. Definitions
- B. Properties of corneal tissue
- C. Factors Affecting Corneal Biomechanics
- D. Measurement tools
- E. Clinical applications

6. Specular biomicroscopy

- A. Parameters
- B. Analysis





Part 4: Investigations (continued..)

7. Biometry

- A. Introduction
- B. Evolution of Formulas
- C. Devices
- D. Validation of Measurements
- E. ATESA Algorithm
 - ATESA 1: Normal eyes
 - ATESA 2: Toric IOL
 - ATESA 3: High axial myopia
 - ATESA 4: High axial hyperopia
 - ATESA 5: post keratorefractive surgery non-toric
 - ATESA 6: post keratorefractive surgery toric
 - ATESA 7: Polypseudophakia (piggyback)
 - ATESA 8: Keratoconus
 - ATESA 9: Aphakia
 - ATESA 10: Silicon oil

Part 5: Patient Counseling

Part 6: Decision Making (Case-based discussion)



Faculty

Module 1



Christopher Liu



Siham Lazrag



Tarek Elnaggar



Ahmed Bardan



Mazen Sinjab

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Time Table

Module 1



Session 1: Introduction and Welcome

Jan 23 @ 4 pm GMT

M. Sinjab

Session 2: History taking

Jan 30 @ 4 pm GMT

M. Sinjab

Session 3: Examination Part 1

Feb 6 @ 4 pm GMT

M. Sinjab

Session 4: Examination Part 2

Feb 13 @ 4 pm GMT

M. Sinjab

Session 5: Ocular Surface Diseases and Refractive Surgery

Feb 25 @ 4 pm GMT

S. Lazrag

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Time Table

Module 1



Session 6: Tomography Part 1

Feb 28 @ 4 pm GMT

M. Sinjab

Session 7: Tomography Part 2

March 5 @ 4 pm GMT

M. Sinjab

Session 8: Wavefront

March 15 @ 12 pm GMT

M. Sinjab

Session 9: Epithelial Mapping

March 22 @ 12 pm GMT

M. Sinjab

Session 10: Biomechanics

March 29 @ 12 pm GMT

T. Elnaggar

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Time Table

Module 1



Session 11: OCT and Specular Microscopy

April 5 @ 12 pm GMT

M. Sinjab

Session 12: Biometry

April 12 @ 12 pm GMT

M. Sinjab

Session 13: Patient counseling

April 12 @ 2 pm GMT

M. Sinjab

Session 14: Case-based discussion

April 14 @ 6 pm GMT

A. Shalaby Bardan

Session 15: Good Medical Practice and Medico-legal

April 21 @ 6 pm GMT

C. Liu

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Registration

Module 1



To register:

- 1- Please go to Refractive Surgery Masterclass Module 1 at www.sinjabacademy.org
- 2- Choose 1 ticket
- 3- Checkout
- 4- Read and accept terms and conditions
- 5- Proceed

When you register:

- 1- You will have access to the sessions.
- 2- You can watch the recorded sessions in the library at your pace before they are **permanently deleted on May 3rd, 2024 @ 1 am GMT.**

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After Registration



- You will receive a confirmation email from Sinjab Academy.
- You will receive an email from Zoom.
- Please read the Zoom email carefully and use the link to join the corresponding Telegram group.
- If you have not received any email, please check the junk or spam.

If you face any difficulty, please email us on support@sinjabacademy.org



Recordings

Module 1



- All sessions will be recorded and will be uploaded to the Library within 3 hours after the end of each session.
- The recordings will be accessible to registrants only.
- Downloading the recordings is strictly prohibited.
- The recordings will be available until permanently deleted on May 3rd, 2024 @ 1 am GMT.



Recordings

Module 1



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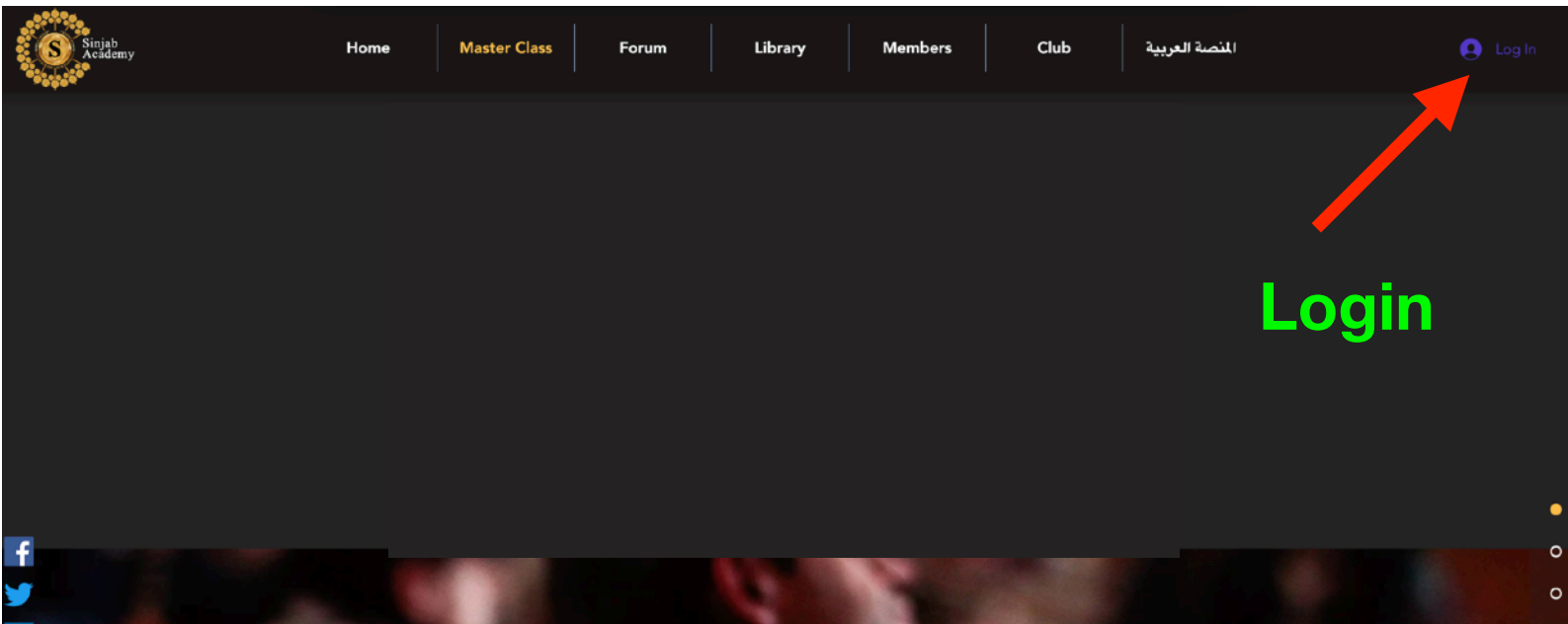


Module 1 on Telegram

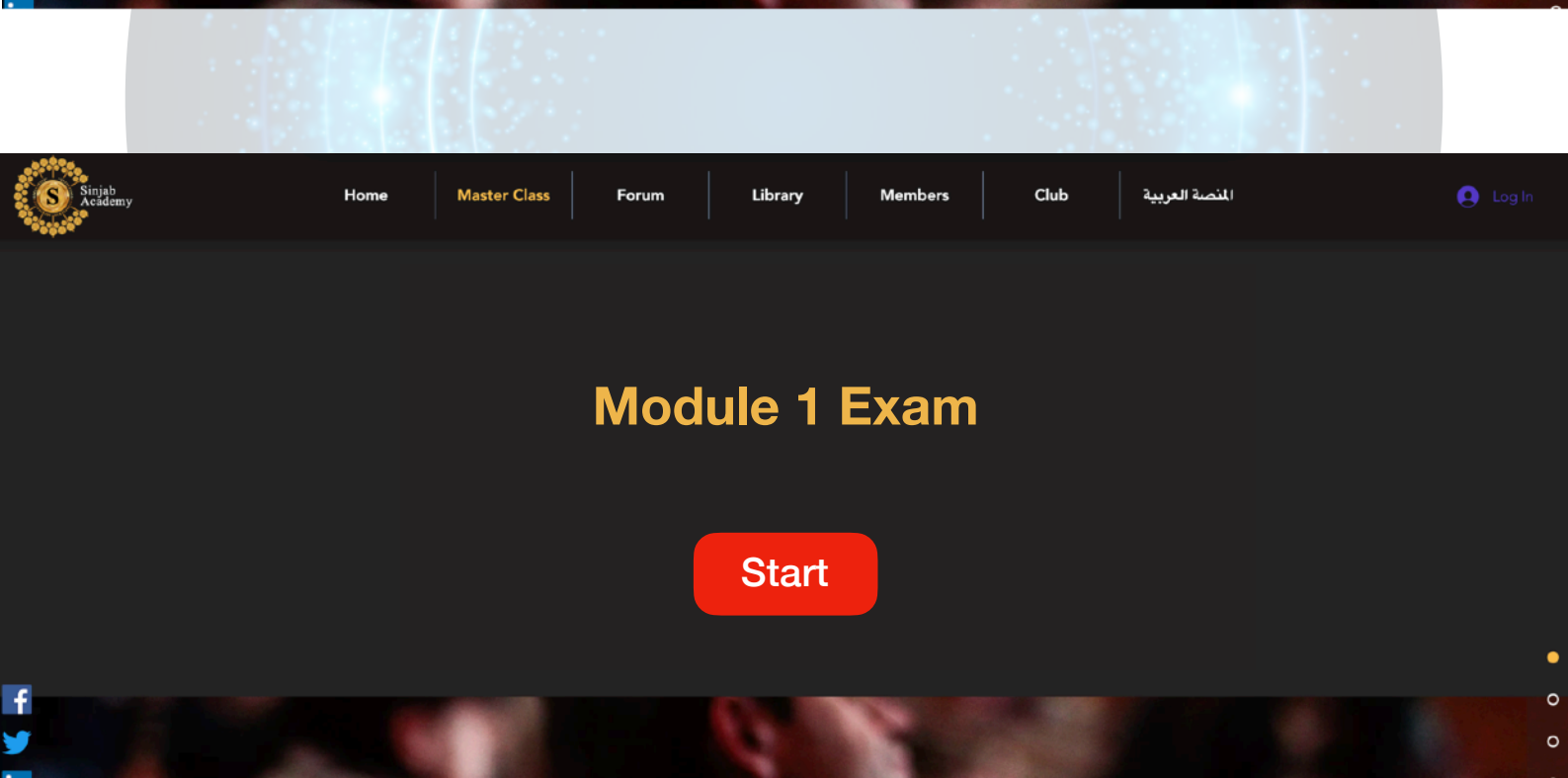
- 1. Ask and answer questions**
- 2. Discuss what you learned**
- 3. Post the take-home messages you learned**
- 4. Give suggestions and corrections**
- 5. Share references or studies**
- 6. Post cases relevant to the class**



Exam



Login



Module 1 Exam

Start

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Exam



1 HOUR COUNTDOWN TIMER

HOURS MINUTES SECONDS
01:00:00



Module 1 Exam

Success score 70%

One attempt



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Exam

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Congratulations for passing
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Module 1 Certificate

Type your name as it will appear on the certificate

XXXXXXXX XXXXXXXXXXX XXXXXX

Upto
24 characters



Exam



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Module 1 Certificate

Download your certificate



No requests for corrections

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Certificate

Module 1



Step 1: The exam

It will be available starting from Friday, May 3rd, 2024, at 1 am GMT, and will be available for 72 hours.

Step 2: Survey

Participate in a survey immediately when you submit the exam.

Step 3: The result

The result of the exam will appear on your page.

Step 4: Passing the exam

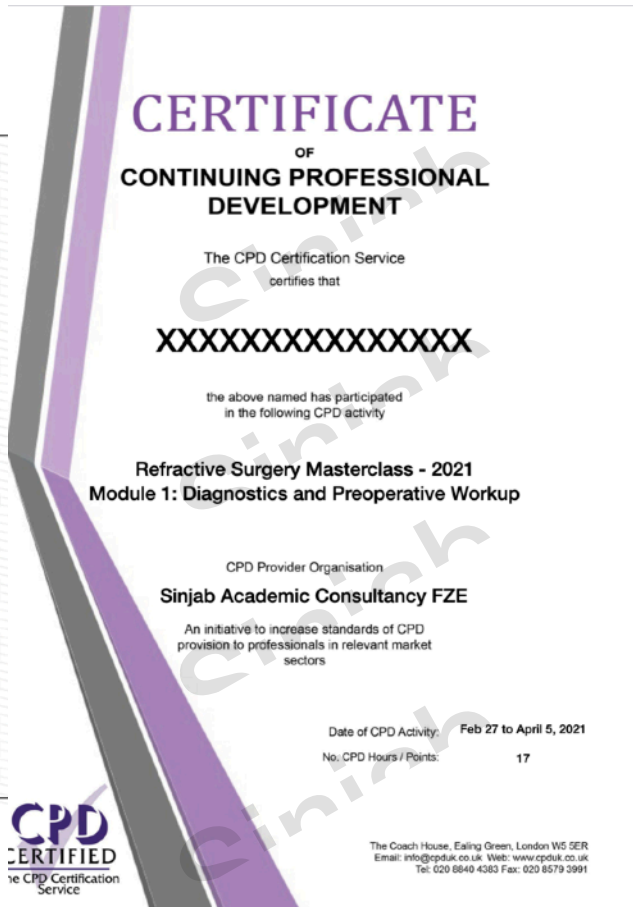
If you pass the exam, a certificate of “*attendance and passing the exam*” will be issued automatically to your page, and you will get a *CPD UK certificate* within a month.

If you fail to pass the exam, a certificate of “*attendance*” will be issued to your page.



Certificate

Module 1



If You Attend & Pass

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Certificate

Module 1



CERTIFICATE

OF ATTENDANCE

SINJAB ACADEMY PROUDLY PRESENTS

THIS CERTIFICATE TO

XXXXXXXXXXXXXXXXXXXX

For **attending** Module 3 of the
Refractive Surgery Masterclass - 2021
Lens-Based Refractive Surgery
From September 24 to November 26, 2021

Prof. Mazen Sinjab
President

If You Attend & but couldn't Pass

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Certificate Comprehensive



If You Attend & Pass the four
modules

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- **There are no sponsor companies for Sinjab Academy and the course.**
- **There is no financial support from any company or institute.**



Disclosure



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learning journey**

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