Mindluster Platform

About the course Technology of ophthalmic devices

Course Presenter : Ø§Ù„Ù…Ø¹Ù‡Ø¯ Ø§Ù„ÙˆØ·Ù†Ù‰ Ø§Ù„Ø¬ÙŠØ¯

Technology of ophthalmic devices, in this course provides an in-depth study of the instruments and technologies used in eye care and vision correction. It covers the design, function, and application of devices such as slit lamps, ophthalmoscopes, keratometers, autorefractors, tonometers, optical coherence tomography (OCT), fundus cameras, and phacoemulsification systems used in cataract surgery. Students learn the scientific principles behind these technologies, including optics, imaging, and measurement of ocular structures. The course emphasizes the role of these devices in diagnosing, monitoring, and treating eye diseases such as glaucoma, cataracts, and retinal disorders. Practical training highlights safe handling, calibration, and maintenance of equipment, as well as interpretation of results. Emerging innovations like digital imaging, laser technology, and smart diagnostic tools are also explored. By combining theory with hands-on practice, the course equips learners with the knowledge and technical skills to use ophthalmic devices effectively, supporting accurate diagnosis, surgical precision, and improved patient outcomes in clinical ophthalmology. Ø§Ù„Ù…Ø¹Ù‡Ø¯ Ø§Ù„ÙˆØ·Ù†Ù‰ Ø§Ù„Ø¬ÙŠØ¯

Languages in Arabic Category's Courses

Course Lesson(6)

Lesson 1 :
Technology of Ophthalmic Devices lecture 1 Anterior Segment Examination ÙØØµ Ø§Ù„Ø¬Ø²Ø¡ Ø§Ù„Ø£Ù…Ø§Ù…ÙŠ

Lesson 2 :
Technology of Ophthalmic Devices lecture 2 Non contact tonometer Keratometer ÙØØµ Ø§Ù„Ø¬Ø²Ø¡ Ø§Ù„Ø£Ù…Ø§Ù…ÙŠ

Lesson 3 :
Technology of Ophthalmic Devices lecture 3 Posterior Segment Examination ÙØØµ Ø§Ù„Ø¬Ø²Ø¡ Ø§Ù„Ø®Ù„ÙˆÙŠ Ù…Ù† Ø§Ù„Ø¹ÙŠÙ†

Lesson 4 :
Technology of Ophthalmic Devices lecture 4 Fundus viewing lenses Ø¹Ø¯Ø³Ø§Øª Ø±Ø¤ÙŠØ© Ù‚Ø§Ø¹ Ø§Ù„Ø¹ÙŠÙ†

Lesson 5 :
Ophthalmic Devices lecture 5 Refraction Equipment Ù…Ø¹Ø¯Ø§Øª ÙØØµ Ø§Ù„Ø§Ù†ÙƒØ³Ø§Ø±

Lesson 6 :
Ophthalmic Devices lecture 6 Advanced optical instruments Ø§Ù„Ø£Ø¬Ù‡Ø²Ø© Ø§Ù„Ø¨ØµØ±ÙŠØ© Ø§Ù„Ù…ØªÙ‚Ø¯Ù…Ø©

Related courses

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