HelpMeSee Simulation-based Training in MSICS



HelpMeSee

HMS VISION PRIVATE LIMITED

Aravind Eye Hospital, Madurai

HelpMeSee Eye Surgery Simulator

HelpMeSee Eye Surgery Simulator is a tool for learning and practising Manual Small Incision Cataract Surgery (MSICS) surgical tasks on its high-fidelity virtual reality surgical simulator. It has various modules which enables practising of each surgical step of MSICS multiple times thereby attaining perfection in each step. The simulator has provisions for assessing each step that provide effective feedback and facilitates scope for improvement. It also includes a 1000 page e-book that covers all theoretical aspects of MSICS. It is shown that simulation based training has resulted in fewer errors in live surgery resulting in higher level of patient safety and shortening the learning curve of MSICS surgery for trainee surgeons.

Course Objective

Currently, 66% of the blindness in India are due to untreated cataract, according to the 2017 National Blindness and Visual Impairment Survey. India has approximately 20,000 ophthalmologists, which equates to an average of 8 ophthalmologists for every 1 million people, which is significantly lower in comparison with the developed world. Moreover, ophthalmologists are poorly distributed across the nation. Even though phacoemulsification is the preferred modality of cataract surgery, Manual small incision cataract surgery (MSICS) is the ideal technique to address huge cataract backlog in developing countries like India. MSICS can give equally good visual outcomes as phacoemulsification if appropriate surgical techniques are followed.

Trainee ophthalmic surgeons face significant challenges in acquiring necessary surgical skills due to limitations of the traditional mode of training. To address this, HMS Vision Pvt Ltd, India, in partnership with Aravind Eye Hospital has started a simulation-based training in MSICS. Simulation-based training module is introduced with a focus on offering a significantly faster and safer path to surgical competence by improving the quality of surgical skills through effective training of aspiring ophthalmologists who want to fine-tune their surgical skills.

Training Institution - Aravind Eye Hospital, Madurai

Aravind Eye Hospital has been designated by Helpmesee as a training centre for simulation based training in MSICS. From an 11 bedded clinic in 1976, the Aravind Eye Care System has grown to become one of the largest and productive eye care organisations in the world. Today its network of 16 hospitals, 120 vision centres and eight community centres handle over 90.7 million outpatient visits and performs more than 800,000 surgeries each year. Aravind's high quality, high volume, low cost services have earned it a worldwide reputation for excellence and made it a much sought-after institute for clinical education and advanced surgical training.

Aravind Cataract & IOL Services : Centre for Excellence in Cataract Surgeries & Training

Cataract Department is dedicated to excellence in cataract services and is run by a team of senior consultants who work with junior consultants, long term fellows and residents along with trained paramedical staff including refractionists and counsellors. The state-of-the-art facilities available include higher-end phacoemulsification systems, Femto laser assisted cataract surgeries, Nd YAG laser, wavefront aberrometer, higher-end optical biometers, Verion digital surgical planner, digital photography unit with, advanced wetlab and MSICS Simulators. Currently, the department is equipped with HelpMeSee MSICS Simulators with a focus on offering a significantly faster and safer path to surgical competence by improving the quality of surgical skills through effective training of aspiring ophthalmologists who want to fine-tune their surgical skills.

Highlights of the Course

- Aravind – Helpmesee centre for simulation based MSICS training
- Access to state-of-the-art MSICS simulator
- E-book sessions, Updated library and video bank
- Structured seminars based on facilitation model conducted by qualified instructors
- Remote support by HelpMeSee team
- Interaction with experienced surgeons
- Opportunity to observe live surgeries
- Wet lab practice on animal eyes

No hands on surgical training will be provided on patients during the course

MSICS Simulation based Training Course (MSTC)

Eligibility criteria : Qualified with MS / DO / DNB degree from recognized university.
Those who are doing postgraduate course in ophthalmology are also eligible and can apply after 6 months of joining the course

No.of positions : 4 candidates per session

Duration : 4 working days

Starting date : On any week of every month starts on (Monday to Thursday)

Training centre : Aravind Eye Hospital, Madurai

Course Fee

For Indian & Nepal Candidates : Rs. 14,160/-
For Overseas candidates : USD 414/- (Inclusive of 18% GST)

Suturing Simulation-based Training Course (SSTC)

In continuation of the MSICS Simulation-based Training Course (MSTC), the surgeons can enrol them for Suturing Course which comprises the execution of the needle to pass through scleral tissue; mastering the art of knot tying; learning to accurately cut the knot and perfecting the skill to bury the knot in the HelpMeSee Eye Surgery Simulator.

Complications Management Course (CMC)

Surgeons and practicing ophthalmologists seeking to enhance their proficiency in managing cataract complications can enrol them for CMC course after completion of the MSTC. This Course equips trainees with the requisite knowledge and skills for mastery in a variety of surgical tasks. With the inclusion of additional modules, a comprehensive understanding and skillset that prepares trainees for various surgical scenarios.

During the training program, if the participants are interested to learn the following training programs, an additional fee is applicable.

Course Name	Duration	Tariff (Inclusive of 18% GST)
Suturing Simulation-based Training Course (SSTC)	1 day	Rs.4,720/-
Complications Management Course (CMC)	1 day	Rs.4,720/-

Admission Process

1. Applicants are requested to apply through Aravind Eye Hospital www.aravind.org with the ophthalmology degree certificate/testimonial from the HOD (in case of candidates undergoing a PG course in ophthalmology)
2. Selected candidates will receive communication from Aravind Eye Hospital, Madurai, within three weeks of submission of the application

Payment Process

HMS Vision Pvt Ltd (HelpMeSee) bank details will be provided to trainees to make the payment.
On confirmation of payment trainees will be registered and tax invoice will be provided by HMS.

Accommodation

Selected candidates are requested to make their own accommodation arrangements.

For more information / enquiries, contact

Course coordinator
Aravind Eye Hospital, 1 Anna Nagar, Madurai 625 020
Phone (0452) 4356100
Email : training@aravind.org