

## Forix Foundation Grant Progress Report

**Project:** HelpMeSee Simulation Based Training Program - Mumbai, India. The HelpMeSee mission is to train local cataract specialists in Manual Small incision Cataract Surgery (MSICS) in significant numbers, to meet the increasing demand. Surgeons who train using the HelpMeSee Eye Surgery Simulator perform significantly better in real life surgery compared to training on live patients. Recent studies have shown that surgeons who train with our surgical simulator show almost a 50% reduction in surgical errors compared to operating on live patients.

Scientific Reports: Effectiveness of simulation- based training for manual small incision cataract surgery amount novice surgeons: a randomized controlled trial

<https://www.nature.com/articles/s41598-021-90410-4>

**Project Reporting Dates:** October, 2021

**Project Leaders:**

- **Dr. Ashish Bacchav**, MBBS, DNB (Ophthalmology), FAEH (Cornea, Cataract and Refractive Surgery), Chief Instructor & Lead Simulation Subject Matter Expert - Mumbai, India
- **Dr. Chetan Ahiwalay**, MBBS, MS (Ophthalmology), Subject Matter Expert & Lead Instructor - Mumbai, India
- **Shweta Salve**, Training Administrator - Mumbai, India

**Project Summary:** HelpMeSee trained 2 surgeons at our Learning Development Training Center in Mumbai, India. Our project partner completed the training project in a weeklong course that took place from July 26, 2021 - July 31, 2021.

The surgeons were trained through our Eye Surgery Simulator training program. Dr. Utkarsha Padwal Sadashiv and Dr. Urvi U. Wagh attended our weeklong course: MSICS Simulation-based Training Course (MSTC) - Mumbai, India.

The instructor-led MSTC training course includes: the interactive MSICS eBook, facilitated discussions with a certified instructor, guided sessions that allow trainees to expand their knowledge of the Manual Small Incision Cataract Surgery (MSICS) procedure, and improve surgical skills through repeated practice on the Eye Surgery Simulator. Learning is achieved through a standardized curriculum and qualified instructors provide a rich and interactive learning experience. Trainees accomplish guided activities designed to meet specific objectives at each stage of training.

## The following are details of the 2 surgeons who benefited from this grant:



### Dr. Padwal Utkarsha Sadashiv

#### Achievements:

- Casualty medical officer [January 2015 - June 2015], Shree Bhausaheb Hire Government Medical College and Hospital, Dhule, India.
- Casualty medical officer Civil Hospital Alibaug, India. March 2016 - May 2016.
- Junior resident Aditya Jyot Eye Hospital, Mumbai, India under Prof. Dr S. Natarajan. June 2017 - July 2020.

## Academic qualifications:

- M. B. B. S. - Shree Bhausaheb Hire Government Medical College, Dhule 2008 - 2014.
- D.N.B. Ophthalmology - Aditya Jyot Eye Hospital, Wadala, Mumbai. 2017 - 2020.
- ICO - Optics and refraction and visual sciences and clinical ophthalmology pass.



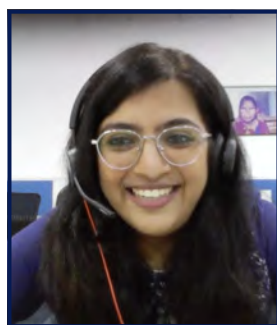
*I think the Forix Foundation is really playing an important role in this training. I could concentrate on my training without worrying for the food or accommodation. I'm really*

*very thankful to all of you and I think this is a great initiative by Forix Foundation for a noble cause.*

Dr. Padwal Utkarsha Sadashiv



Dr. Padwal Utkarsha Sadashiv receiving her certificate of completion for the weeklong MSICS Simulation-based Training Course (MSTC).



## Dr. Urvi U. Wagh

### Achievements:

- Council of Medical Research, New Delhi (STS-2016):
  - Topic: Pediatrics Study of Short Stature in hospitalized girl children in the age group of 2-5 years. Under the guidance of Dr. Meghna Chawla.
- Completed Course on “Masterclass in Clinical Ophthalmology “2020-2021 certified by EACME (The European Academy of CME), by The ROYAL COLLEGE of OPHTHALMOLOGISTS.
- Founder and Vice President of STUDENT RESEARCH FORUM for the year 2016 - 2017 in Smt Kashibai Navale Medical College, Pune.
- Ladies Representative, in MARD RGMC 2021 - Maharashtra Association of Resident Doctors.
- Working experience as a Resident in Department of Ophthalmology, can manage and assist in Outpatient Department, Casualty and Ophthalmic Procedures like Cataracts- Step wise, Chalazion, Evisceration, Corneal Tear Repair.

## Academic qualifications:

- India Certificate of Secondary Education (ICSE) - St. Mary's School, Camp, Pune 2010.
- Higher Secondary Certificate (HSC) - Sir Parashurambhau (SP) College, Pune - 30 - 2012.
- Bachelor of Medicine, Bachelor of Surgery (MBBS) - Smt. Kashibai Navale Medical College and General Hospital, Pune-41 (SKNMC) - 2018.
- FCPS Ophthalmology (Masters) Rajiv Gandhi Medical College, Kalwa, Thane - 2019 - Till Date.

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*Because everybody wouldn't get this opportunity to come to a Simulator course, we are really grateful to you (Forix Foundation). This training session has taken place, and everything just fell in place.*

*They were just covered by you (Forix Foundation) as well as the team who were organizing it.*

Dr. Urvi Wagh



Dr. Urvi Wagh receiving her certificate of completion for the weeklong MSICS Simulation-based Training Course (MSTC).

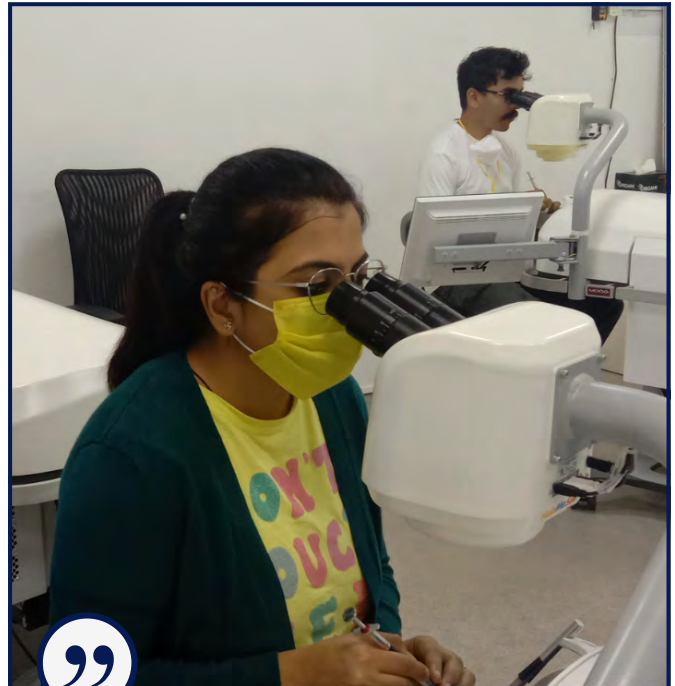
## MSICS Simulation-based Training Course (MSTC) Training Photos



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*"I just want to thank you (Forix Foundation) and HelpMeSee for this amazing initiative. This is going to help a lot of novice cataract surgeons like me, and this will definitely help reduce the complications in the live surgeries. This is like a great service to humankind because you people are helping in training the surgeons."*

Dr. Utkarsha Padwal – Simulator Session



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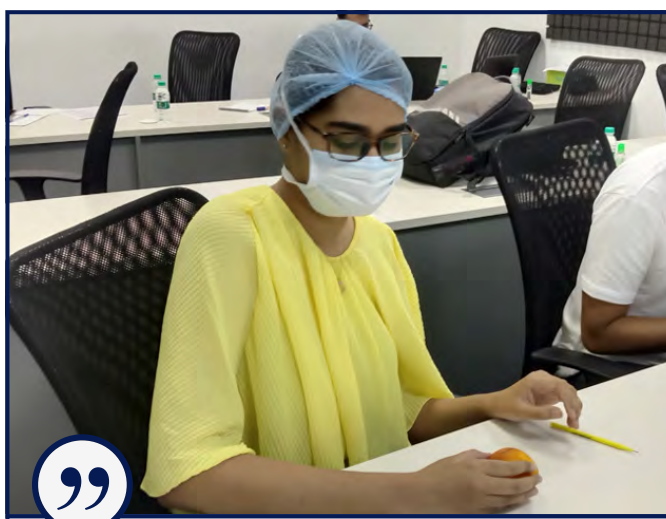
*"I have grown up in my skills. A small technique of how to rotate your hand or how to hold an instrument. If there's something wrong, how to correct it at the same time. The confidence has increased. I would really want to go back and do as many real surgeries and get back to HelpMeSee to tell how much it has helped me."*

Dr. Urvi Wagh – Simulator Session





*Simulator Session (Left to right) – Dr. Urvi Wagh and Dr. Utkarsha Padwal.*



*"I'm definitely going to utilize all of this whatever I have learned in this training. I'm sure I will reduce my complications in live surgeries."*

Dr. Utkarsha Padwal - Lab Session



*"We had small sessions in the Simulator course. Everything was on time. The lunch was on time, sessions were on time. It was a very good experience."*

Dr. Urvi Wagh - Lab Session