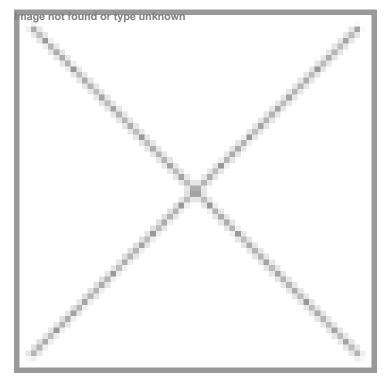# Sankara Eye Foundation unveils first-of-its kind innovation lab for eye care in India

20 June 2024 | News

R&D innovation lab is dedicated to creating need-based solutions that go beyond existing options

Sankara Eye Foundation has launched the country's first-of-its-kind innovation lab supported by G.D. Naidu Charities, focused on advancing eye care through cutting-edge research, development, and training at Coimbatore.

This centre aims to deliver high-quality eye care solutions to underserved populations in India, reaching the most remote rural villages with innovative approaches to diagnosis, treatment, and prevention.

"The centre will conduct clinical trials approved by CDSCO/DCGI for regulatory compliance, with a dedicated team of clinical research coordinators ensuring adherence to standards. Training programmes will feature hands-on sessions, simulation exercises, and virtual reality modules to enhance practical skills for Postgraduate Trainees, Fellows, and Practicing Eye Surgeons." Dr Jagadeesh Kumar Reddy, Technical Director of Sankara Eye Hospital quoted.

Key research areas include the development of new diagnostic tools, surgical instruments, intraocular devices, telemedicine solutions, spectacles, and assistive technologies. The centre will explore artificial intelligence (AI) algorithms for medical imaging analysis, improving the detection and classification of common eye conditions such as glaucoma, diabetic retinopathy, and macular degeneration. Additionally, AI will be utilised to create personalised treatment plans based on patient data and predictive analytics.

The Innovation Lab is equipped with state-of-the-art facilities, including, simulation laboratories, surgical training suites, and a tele-ophthalmology training area. By fostering collaborations with international institutions and industry leaders, the research lab aims to promote global best practices in eye care in our country.