

DBT-Chronic Disease Biology

Open Indirect Ophthalmoscope (OIO)

By Sunderarajan Padmanabhan

New Delhi, April 09: This is an equipment developed at the DBT supported Srujana Center for Innovation, L V Prasad Eye Institute, Hyderabad that takes real time photograph of a patient's fundus (interior surface of the eye, including the retina, optic disc, macula, fovea and posterior pole) in order to check the pathology of the eye of the patient. The OIO is found to be just as accurate and of resolution as good as a high end "fundus camera". It is a portable device that can easily be operated by an unskilled/ semi- skilled person and costs just 800 \$ in comparison to other international products ranging between 2500- 3500 \$. It is being used in rural centres and can replace high-end equipment in eye hospitals.



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