



FUNDUSCAM

1



Device and Packaging

2



Attach the smartphone into the holder and make sure camera and flash are not obstructed

3



Secure the lens into the movable ring

4



Switch on the camera app on the smartphone, go to video mode and turn on the flash. Place the device on the cheek of the premature baby

5



Locate the red reflex on the screen of the smartphone

6



Move the lens ring towards the phone till you obtain the desired view of the retina on the screen of the smartphone

L - Expensive contact camera

R - FundusCam

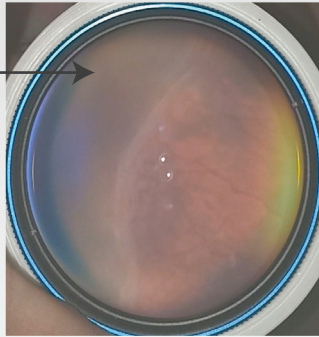
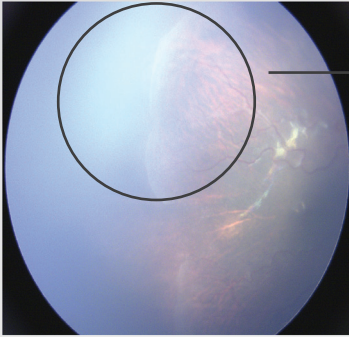
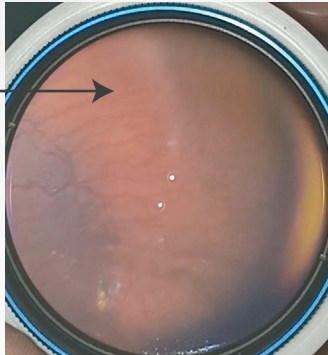
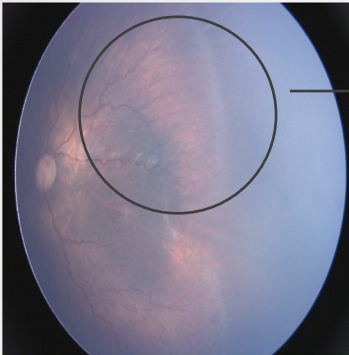
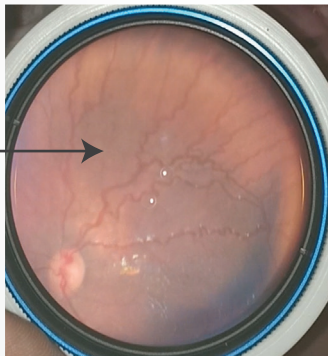
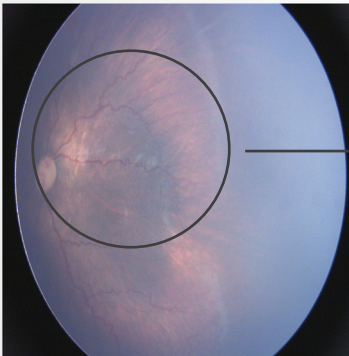


Image showing magnified view of stage-3 threshold disease



Showing vessel tortuosity and severe avascularity in posterior zone 2



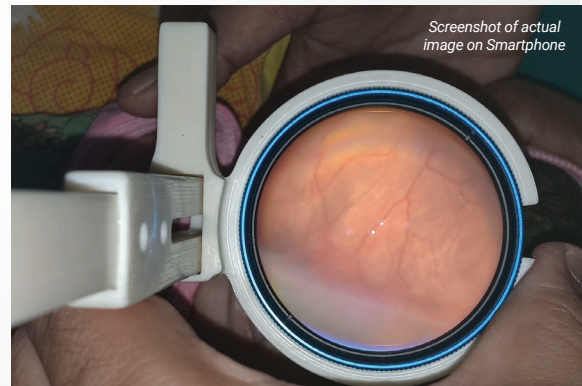
Showing vessel tortuosity and severe avascularity in posterior zone 2

Results from FundusCam compared to other expensive devices

C3 FundusCam is a portable, affordable smartphone based device which uses the concept of indirect ophthalmoscopy to capture high quality videos/images for ROP screening.

Major advantage of the device over an indirect ophthalmoscope is that you are able to record the rop screening for diagnosis, patient education and referrals.

The image quality of C3 FundusCam is highly comparable to currently available expensive contact cameras used for ROP screening.



C3
VISION

C3
FUNDUSCAM

C3 Prototypes is a start-up based out of Ahmedabad which has developed smartphone based portable and affordable eye screening devices.

Yash Nagarsheth- Director.
MEng. Manufacturing from University of
Michigan- Ann Arbor, USA