Forus

Wellness Democratised

3nethra
classic

a Forus Innovation

3nethra

A Pre-screening Ophthalmology Device

A Pre-screening Ophthalmology Device

3nethra is a single, intelligent, portable and easy to operate pre-screening ophthalmology device that can help to screen common eye problems. The cloud based telemedicine interface enables remote diagnosis.

KEY HIGHLIGHTS

- A non-mydriatic ophthalmic screening device

- Provides digital images of the anterior and posterior segments

- 3nethra royal has an additional objective auto refractometer integrated

- Can be operated by a minimally trained person

- Works on any Windows laptop

- Integrated telemedicine module enables health records management on the cloud

3neth**r**a
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3nethra
royal

- Posterior Segment Imaging
- Anterior Segment Imaging
- Report Generation
- Patient Record
- Integrated Email

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- Anterior Segment Imaging
- Report Generation
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- Integrated Email
- Objective Auto Refractometer

TESTIMONIALS

"We have been using 3nethra for the last 9 months. We found the device very useful for screening diabetic retinopathy, optic disc abnormalities and also anterior segment. We found 3nethra to be very useful from patient counseling stand point also. 3nethra is very easy to use for imaging and maintaining patient records. We are very happy with the after sales support by the Forus team"

- Dr. V. Sambasiva Rao, Fellow University of Illinois and Wisconsin, USA, Joint Secretary - AIOS, Aravinda Lasek Eye Hospital, Vijayawada

"3nethra is a wonderful innovation for posterior as well as anterior segment imaging. It is so user friendly and handy. I admire the clarity of the images taken in a non-mydriatic pupil, I congratulate Forus on this occasion and wish them good luck for future innovations"

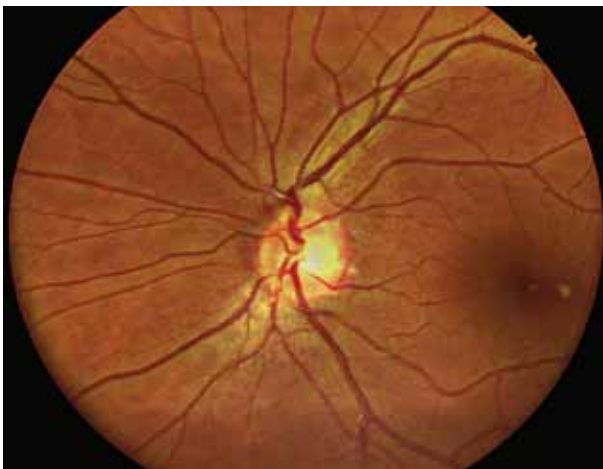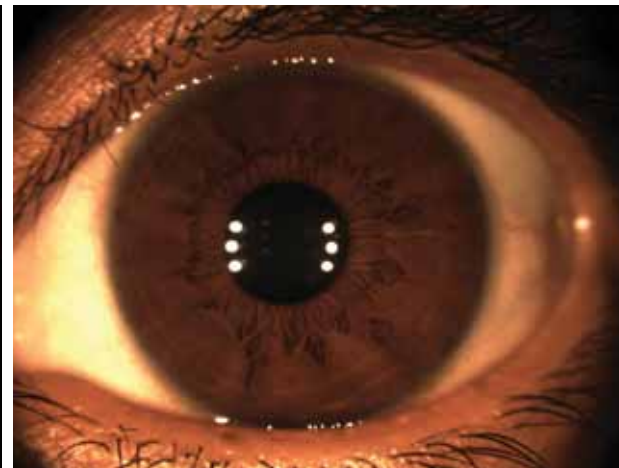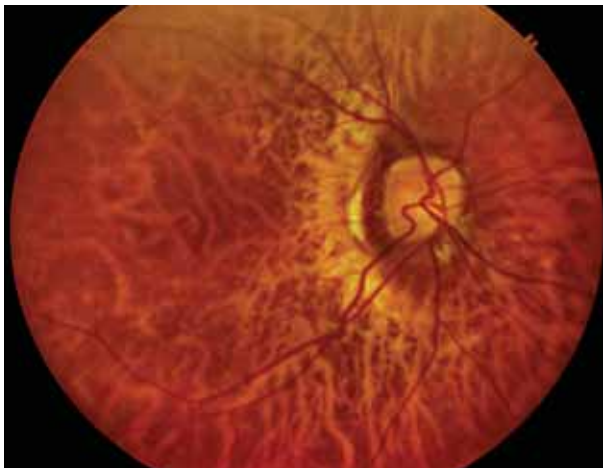*- Dr. Soumya Sharat, Sankara Eye Hospital, Bangalore*

Features

POSTERIOR SEGMENT IMAGING

- Non-Mydriatic Fundus imaging with 40 - 45 degrees field of view

- Peripheral imaging using external fixation

- Low power LED light source for image capture

- Customized settings for optic disc imaging

- Focus guidance for optimal image capture

ANTERIOR SEGMENT IMAGING

- Surface imaging for anterior segment pathologies

- Also captures near Infra-red images

- Handy tool for better patient counselling

- Image storage and retrieval for reports

REFRACTION

- 3nethra royal is additionally equipped with objective auto refractometer

- Measures the spherical, cylindrical and axis

- Accuracy of 0.5 diopter

- Saves additional space required for an auto refractometer

REPORT GENERATION

- Automatic and manual selection of images for report generation

- Customized report template

- Single click print configuration

- Email option

PATIENT RECORD • Unique medical record number • Access to historical patient data
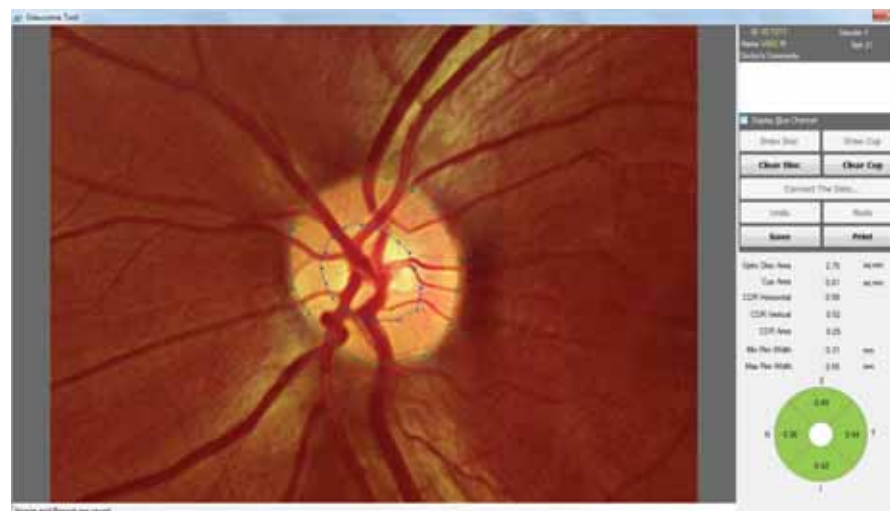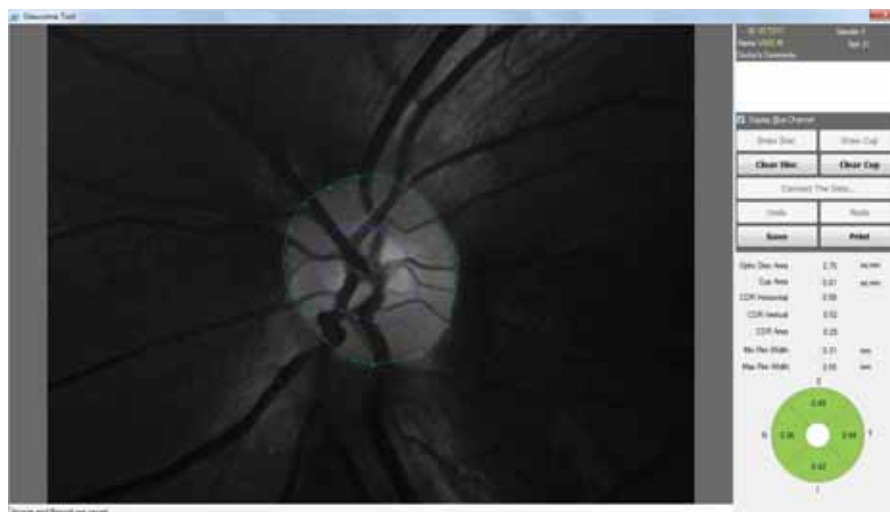
Add-ons

IMAGE TOOLS

- Annotation of optic disc and cup

- Computing important measurements based on annotation

- Calculation of cup - to - disc ratio

- Average rim width of I - S - N - T regions

- Storage and retrieval of annotated data

- Blue channel display for better optic disc and cup details
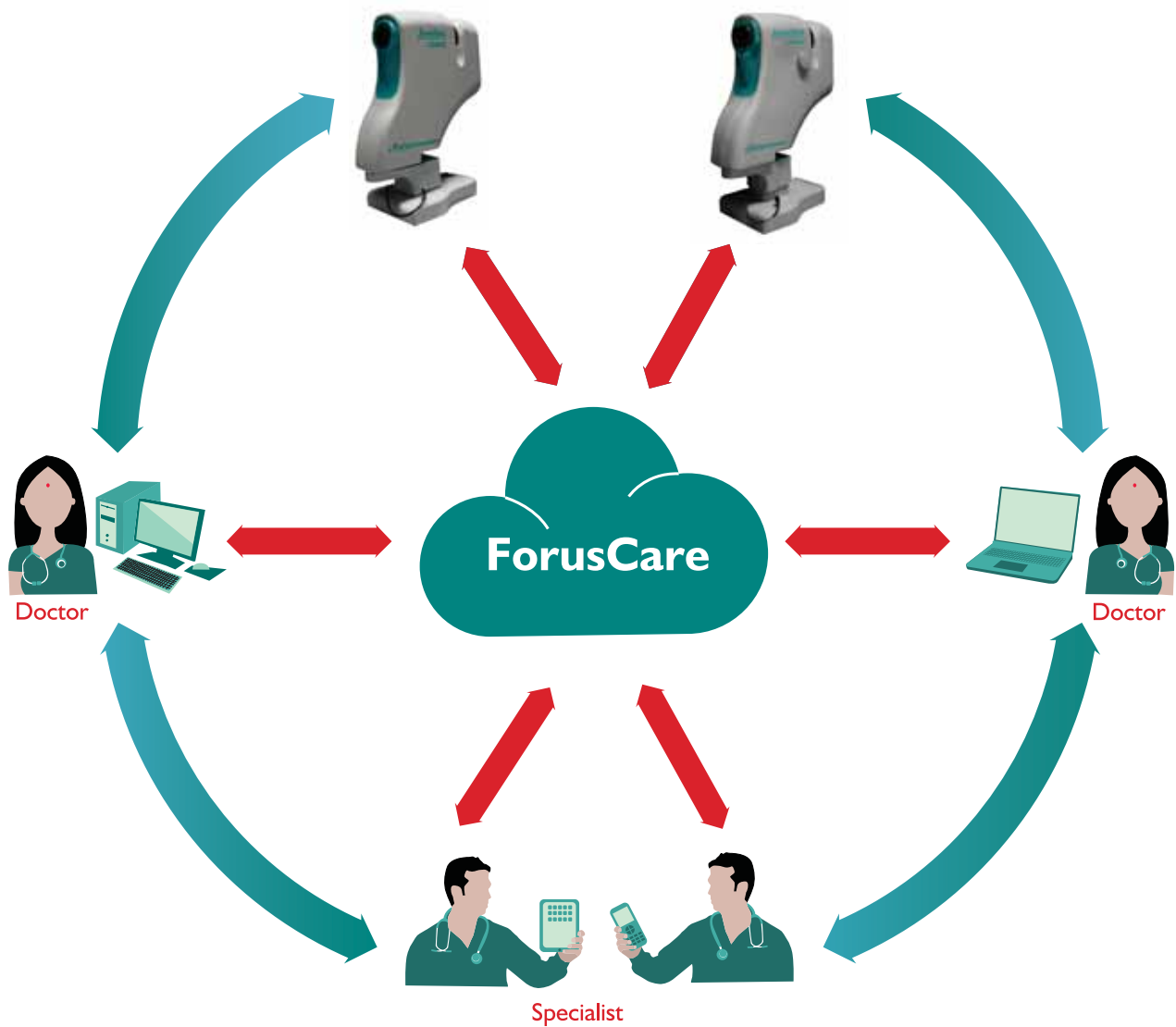
IMAGE TOOLS - Under Development

- Identification of yellow & red lesions

- Detection of corneal opacity

- Automatic detection of optic disc and cup

- Highlighting left - right anomalies

- Split screen comparison

- Image annotation

Glaucoma Tool

ForusCare

- Multilevel work flow – end to end tele-ophthalmology solution
- SMS and email alerts
- Cloud based centralized storage
- Offline and online record update

- Patient history – data and images
- Tablet based access to cloud
- Connecting healthcare providers to ophthalmologists

ForusCare

Doctor

Doctor

Specialist

Details

Field Of View	40 - 45 degrees
Optical Resolution	6.7 microns
Minimum Pupil Diameter	3 mm
Image Resolution	2048 x 1536 24 bits per pixel
Interface	Universal Serial Bus 2.0
Dimensions	340mm x 498mm x 620mm
Weight	13.5kgs
Power Consumption	5 - 10 W
Power Supply	AC 100 - 240V, 50/60 Hz

About Forus Health

Forus Health Pvt. Ltd., is an innovation led technology company headquartered in Bangalore and was started by passionate technologists in 2010. *Forus as the name stands for, means "For us" - me and my community. Forus Health's vision is "To address Health issues of the world through innovative products and solutions combined with innovation in deployment in an inclusive environment".*

Forus Health has won several innovation awards and accolades including - Piramal Prize 2010 for technologies that democratize healthcare, DST-Lockheed Martin India Innovation Growth Program 2011 for top innovation, Sankalp 2011 Technology award for development, Samsung Innovation Quotient 2011, NASCCOM emerging 'League of 10' award 2011, Indian Semiconductor Association's award for best OEM-Enterprise Organization in Start-up category, Joint winner of ILC-IS Anjani Mashelkar Inclusive Innovation award 2011, MIT's Technology Review India's Grand Challenges 2011 (TRGC) award, CNBC-TV18 & Mercedes Benz Young Turk award for Change Maker of the Year in Health category, Frost & Sullivan award for New Product Innovation.