



# Diabetic Eye Screening

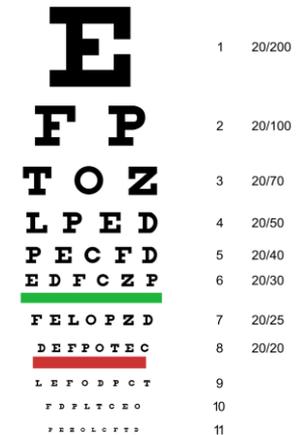
Education Resource for Aboriginal Health Workers





## Visual Acuity

- A test of how well you see



## Retinal Examination

- A photo of the back of the eye



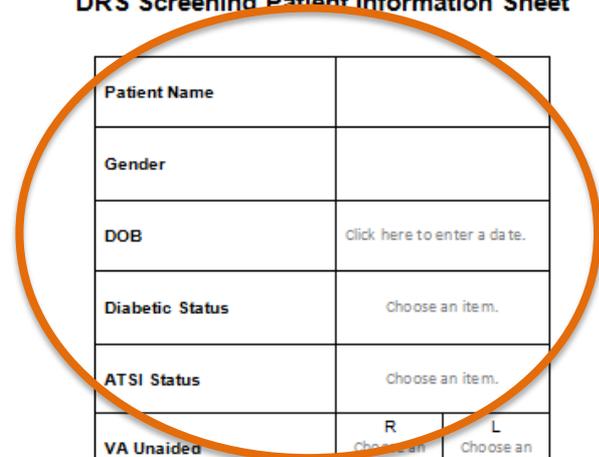


People who have





**DRS Screening Patient Information Sheet**



**Name?**

**Date of birth?**

**Male or female?**

Patient Name		
Gender		
DOB	Click here to enter a date.	
Diabetic Status	Choose an item.	
ATSI Status	Choose an item.	
VA Unaided	R Choose an item.	L Choose an item.
VA Pinhole (if > 6/12)	R Choose an item.	L Choose an item.
VA Corrected (if wearing glasses)	R Choose an item.	L Choose an item.
Comments		
Operator Name		

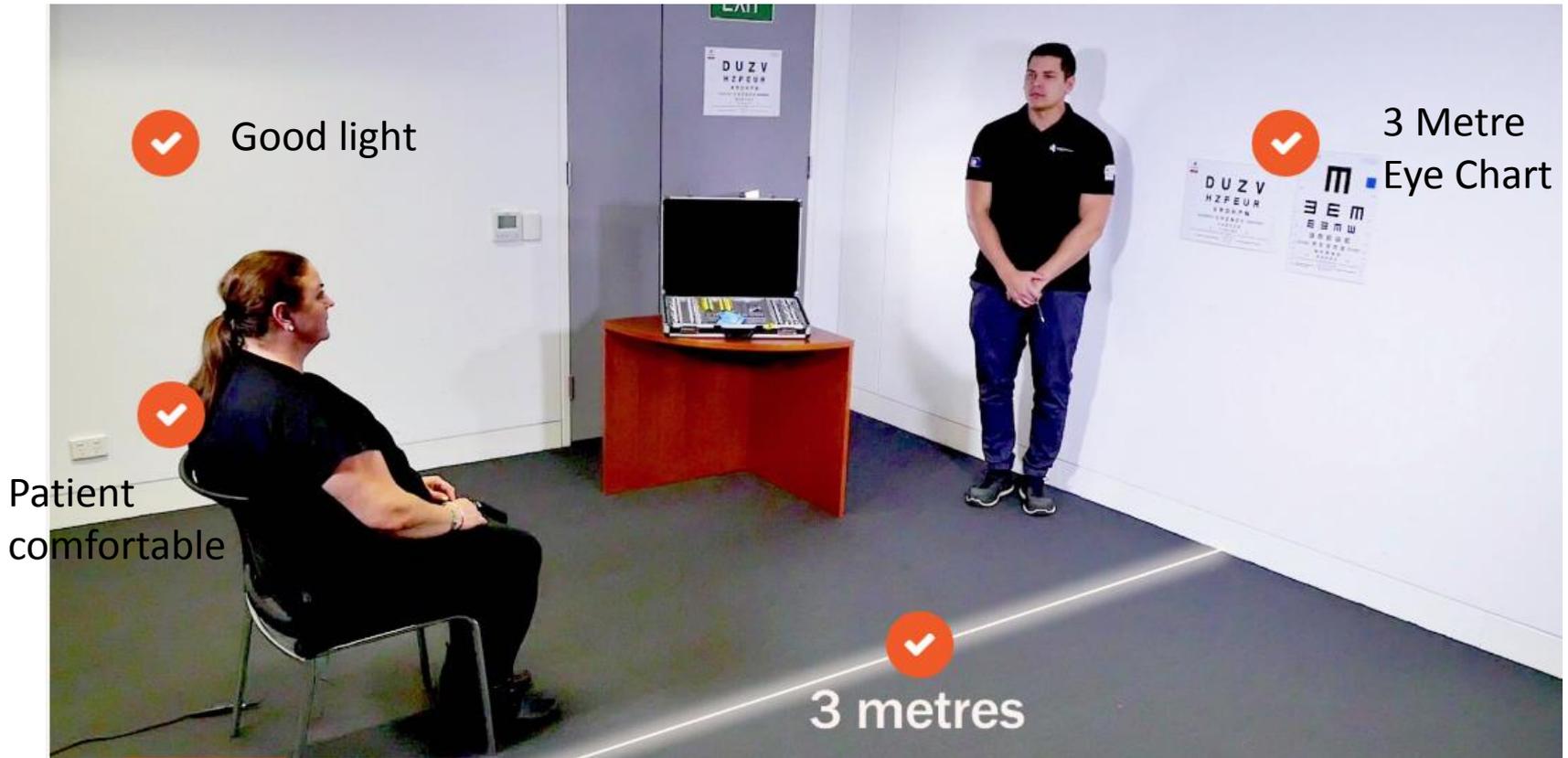
**Type 1 or Type 2?**

Please send this sheet and images to [outbackvision@gmail.com](mailto:outbackvision@gmail.com)





- What your room should look like





- Measure right eye





- Measure left eye





- Write down the number of the smallest line the patient can read  
eg. 6/15



6/60	E
6/30	F P
6/20	T O Z
6/15	L P E D
6/12	P E C F D
6/9	E D F C Z P
6/8	F E L O P Z D
6/6	D E F P O T E C

A vision chart with eight rows of letters. The first row is 'E' at 6/60. The second row is 'F P' at 6/30. The third row is 'T O Z' at 6/20. The fourth row is 'L P E D' at 6/15, with the number circled in orange. The fifth row is 'P E C F D' at 6/12. The sixth row is 'E D F C Z P' at 6/9, with a green horizontal bar below it. The seventh row is 'F E L O P Z D' at 6/8. The eighth row is 'D E F P O T E C' at 6/6, with a red horizontal bar below it.



DRS Screening Patient Information Sheet

- Measure vision **without glasses** (**VA unaided**) and write down here

- Measure vision with **distance glasses** on (**VA corrected**) and write down here

Patient Name		
Gender		
DOB	<a href="#">Click here to enter a date.</a>	
Diabetic Status	Choose an item.	
ATSI Status	Choose an item.	
VA Unaided	R Choose an item.	L Choose an item.
VA Pinhole (if > 8/12)	R Choose an item.	L Choose an item.
VA Corrected (if wearing glasses)	R Choose an item.	L Choose an item.
Comments		
Operator Name		





- Measure right eye through pinhole





- Measure left eye pinhole vision





- Write down the smallest line the patient can read here

The small holes makes vision clearer



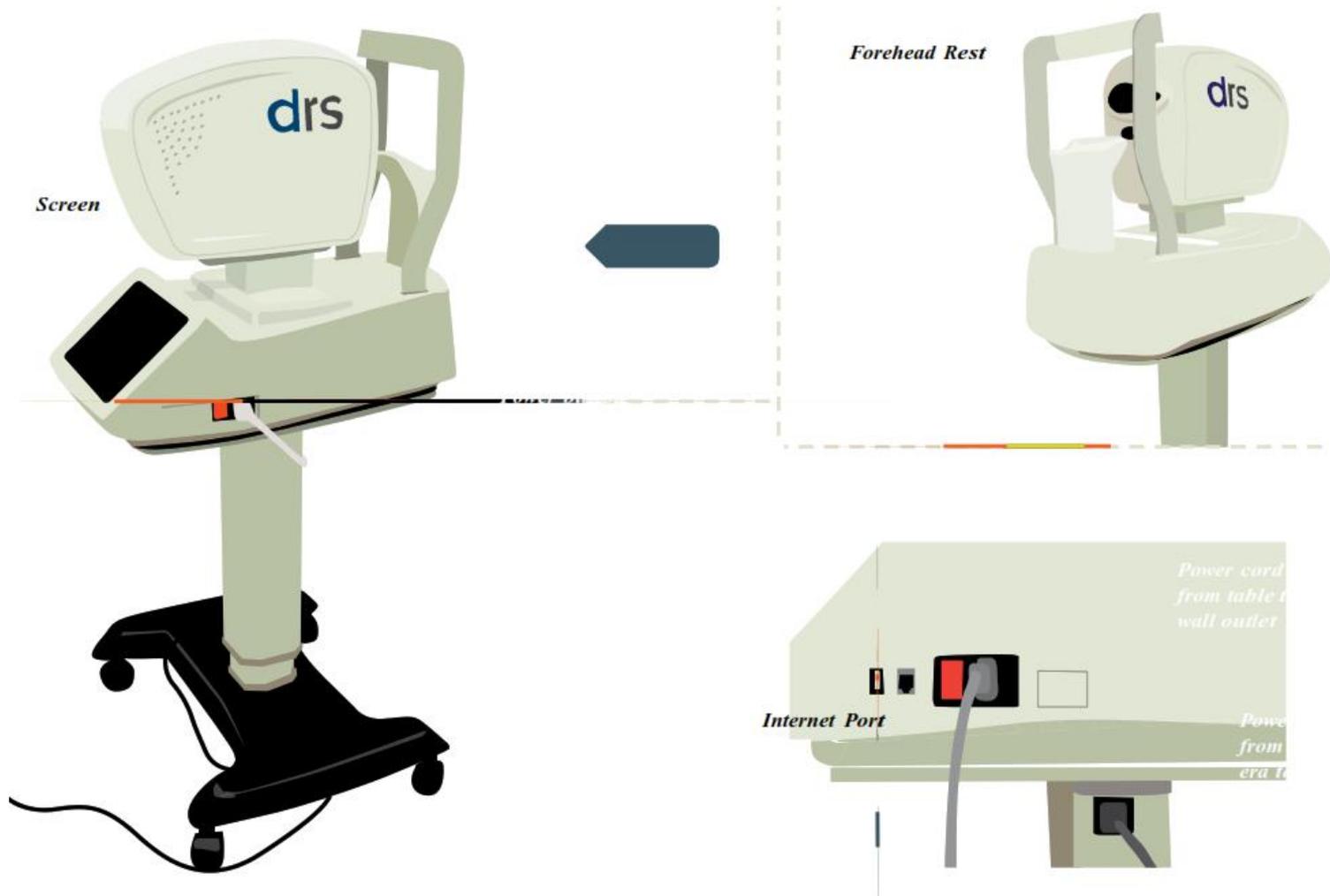
**DRS Screening Patient Information Sheet**

Patient Name		
Gender		
DOB	<a href="#">Click here to enter a date.</a>	
Diabetic Status	Choose an item.	
ATSI Status	Choose an item.	
VA Unaided	R Choose an item.	L Choose an item.
VA Pinhole (if > 8/12)	R Choose an item.	L Choose an item.
VA Corrected (if wearing glasses)	R Choose an item.	L Choose an item.
Comments		
Operator Name		



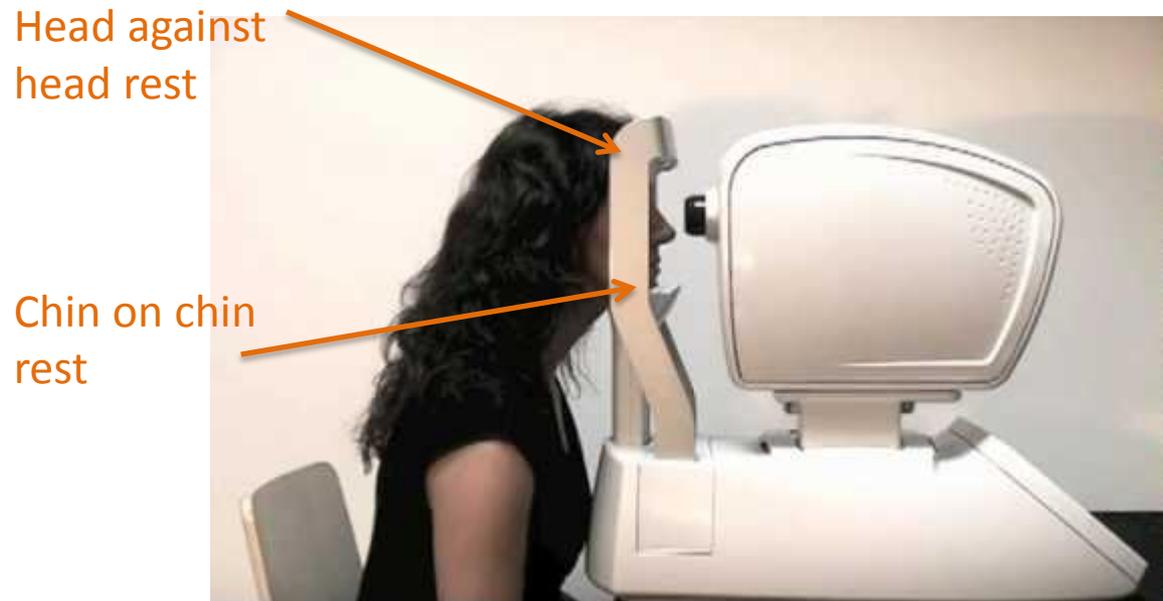


- **Ellex DRS Camera**





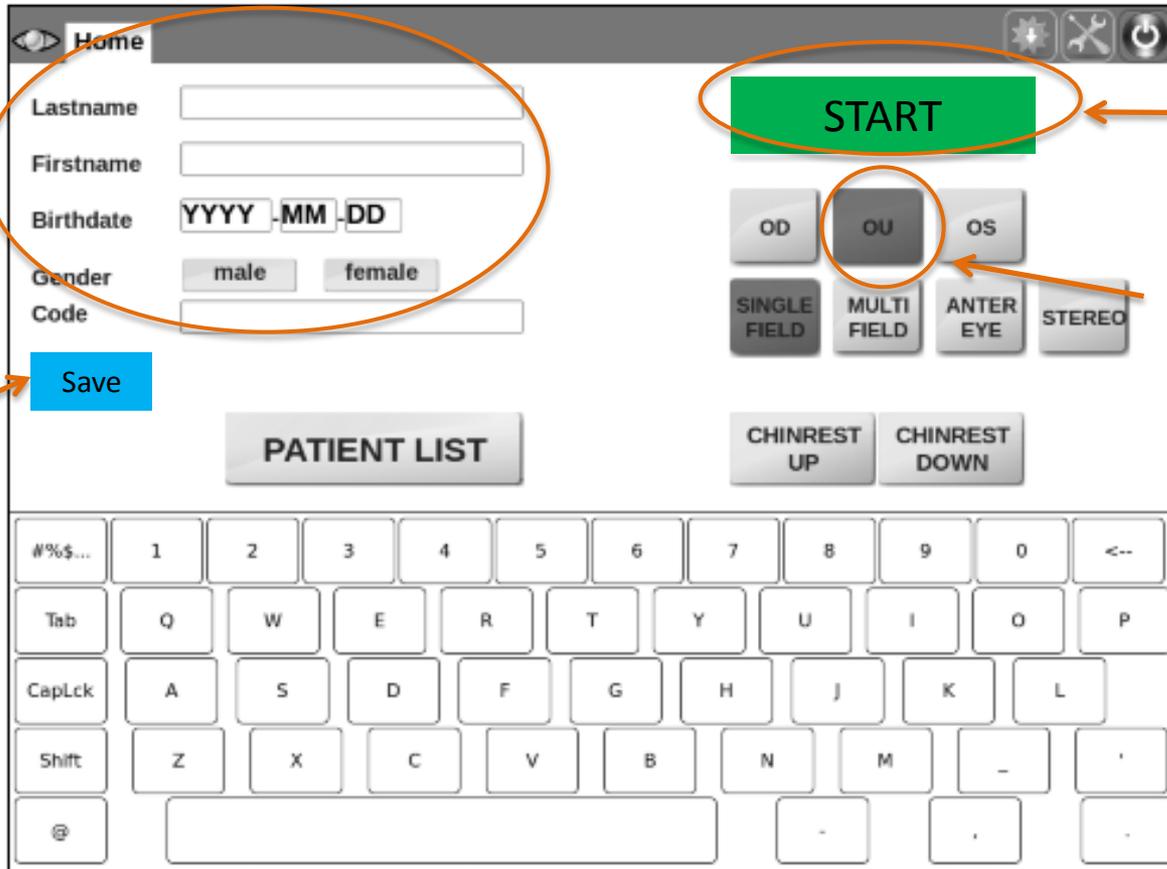
- Patient set up





**1:** Enter Patient details

**2:** Click Save



Home

Lastname

Firstname

Birthdate YYYY-MM-DD

Gender  male  female

Code

**Save**

PATIENT LIST

OD **OU** OS

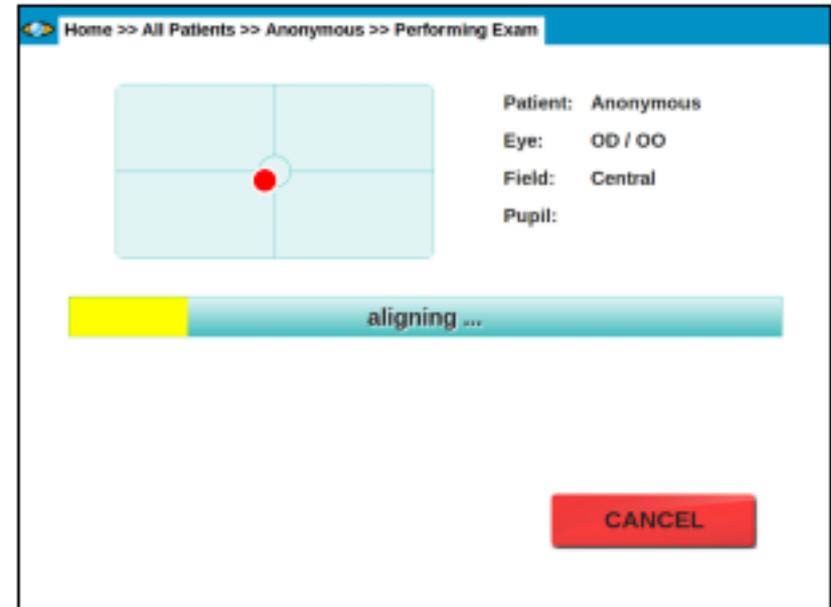
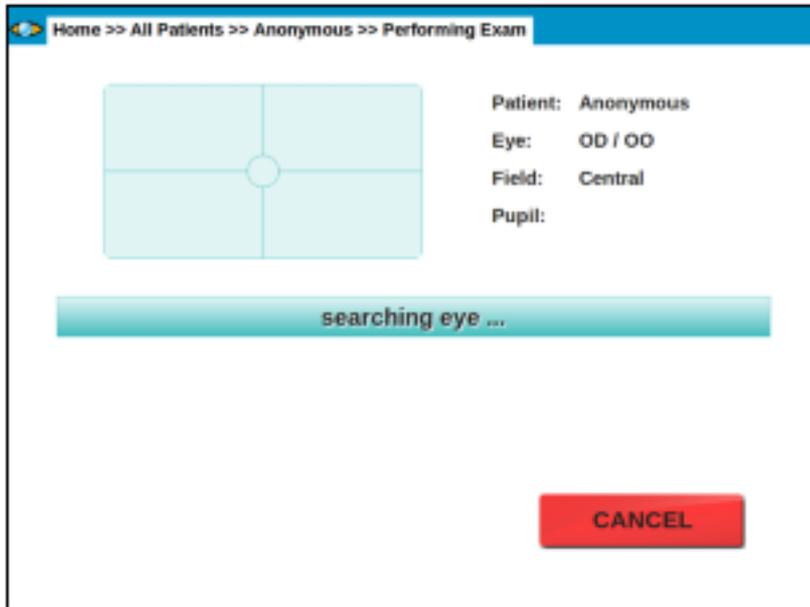
SINGLE FIELD MULTI FIELD ANTER EYE STEREO

CHINREST UP CHINREST DOWN

**START**

**4:** START button green when chin on rest

**3:** Both eyes



- 5: You do not need to do anything now, the camera will take the photo automatically
- 6: Tell the patient to look straight at the light



- Insert USB stick into camera

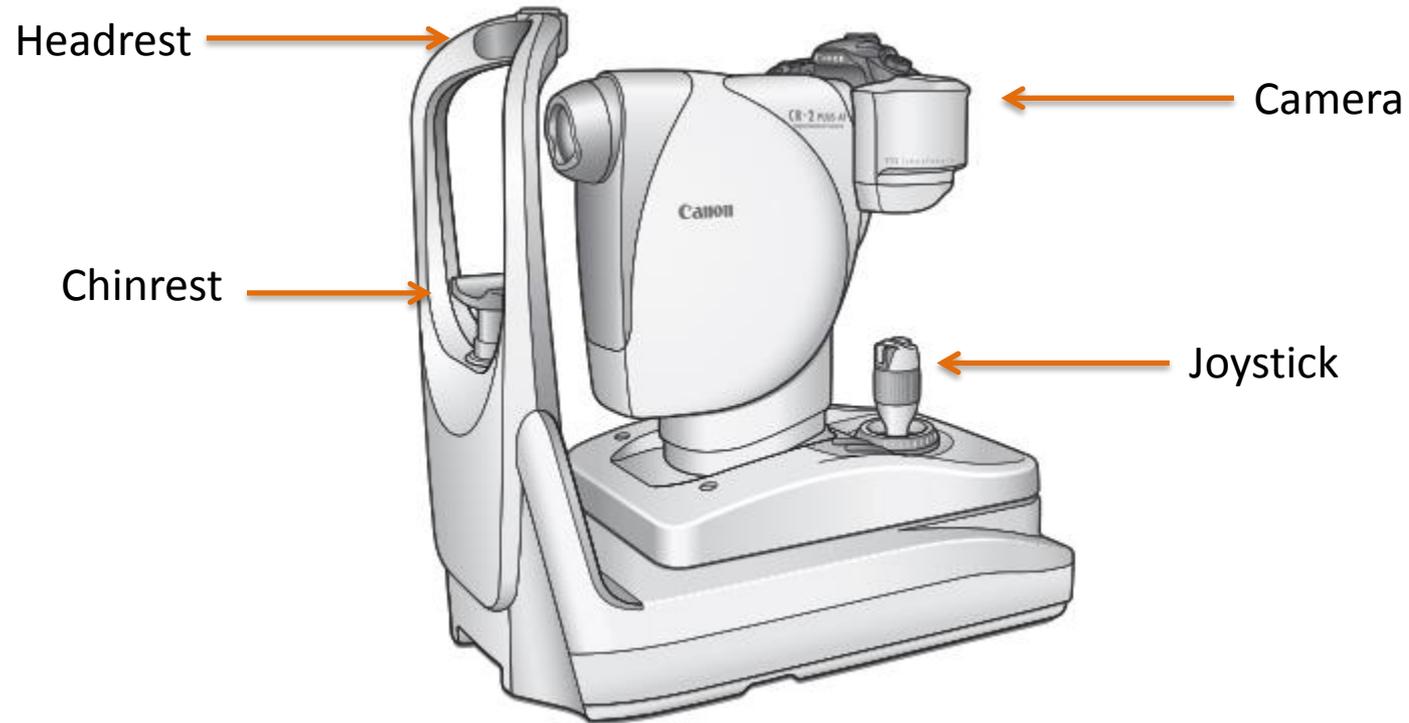


- Click save button on screen



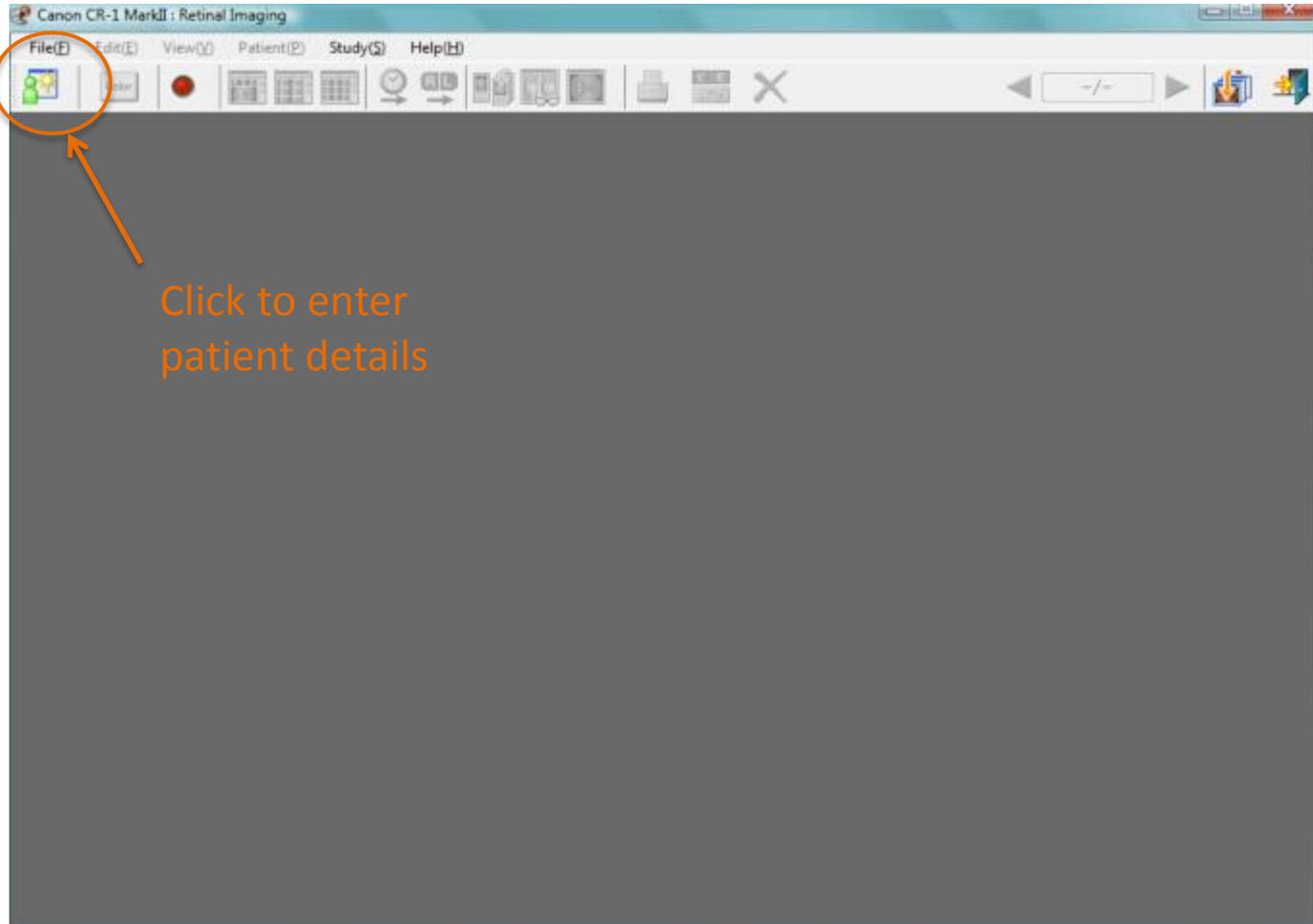


- **Canon DRS Camera**



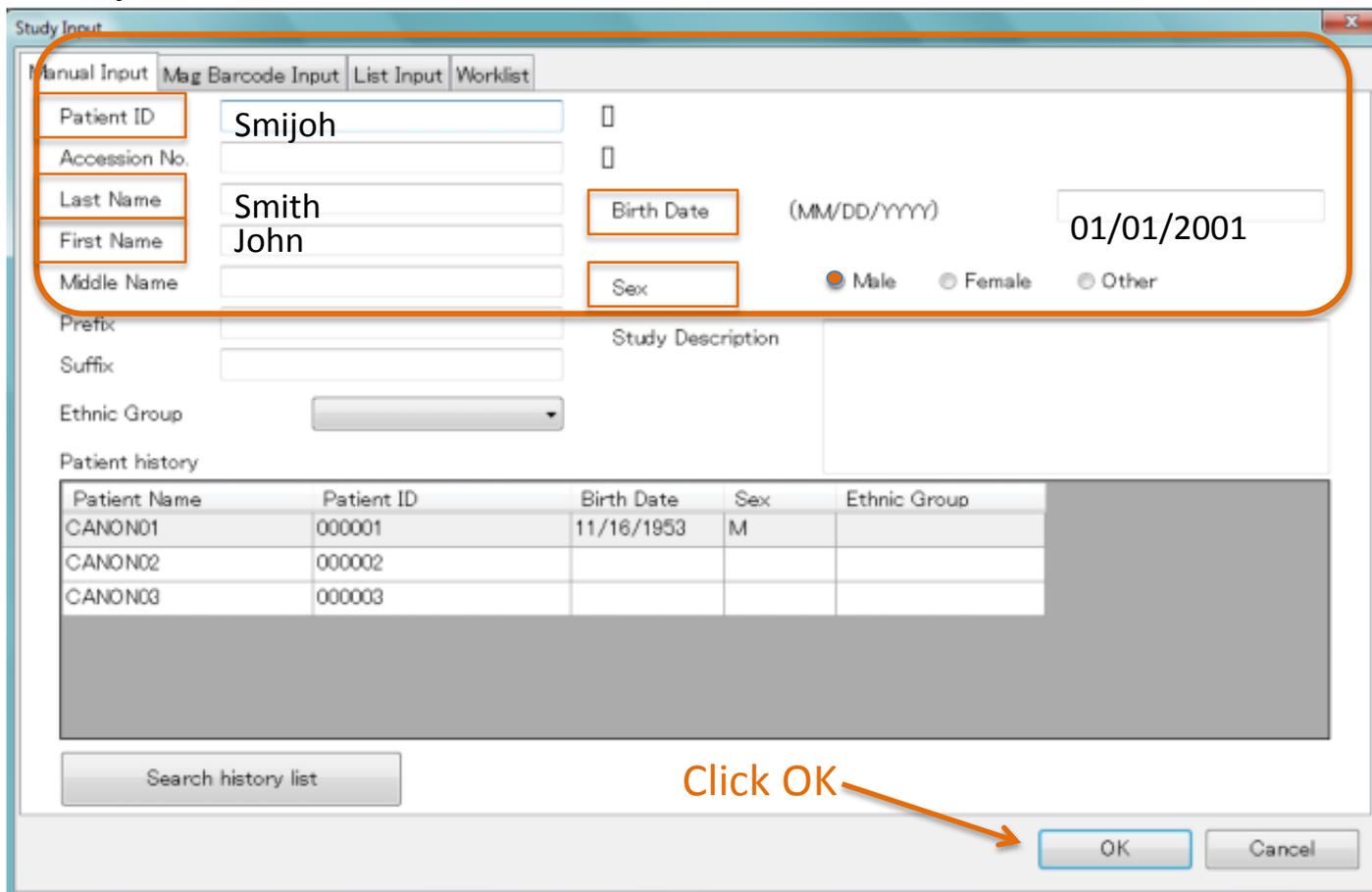


- Home screen





- Enter patient details



The screenshot shows a 'Study Input' window with the following fields and values:

- Patient ID: Smijoh
- Accession No.:
- Last Name: Smith
- First Name: John
- Birth Date: 01/01/2001
- Sex: Male
- Prefix:
- Suffix:
- Ethnic Group:
- Study Description:

Below the form is a 'Patient history' table:

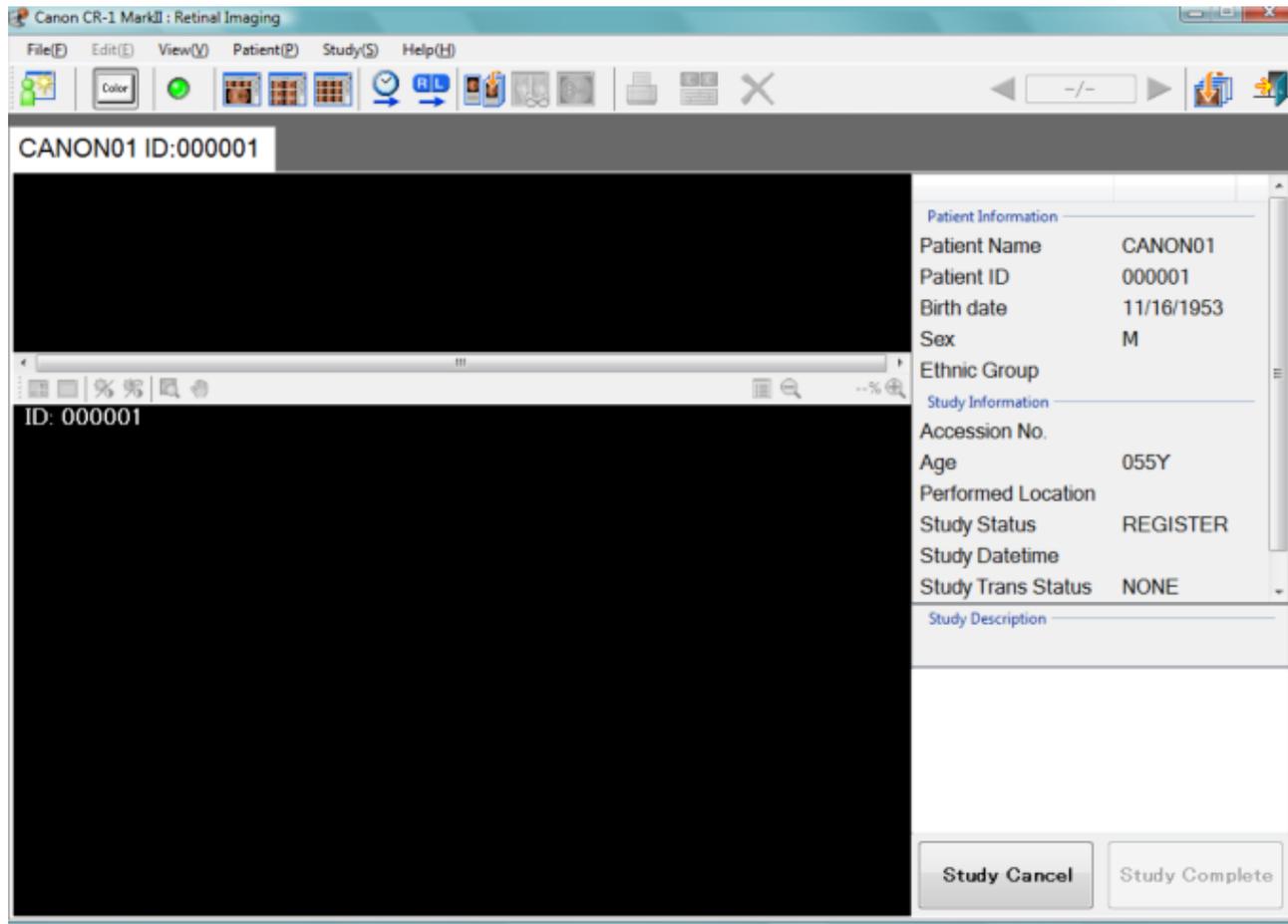
Patient Name	Patient ID	Birth Date	Sex	Ethnic Group
CANON01	000001	11/16/1953	M	
CANON02	000002			
CANON03	000003			

At the bottom right, there are 'OK' and 'Cancel' buttons. An orange arrow points to the 'OK' button with the text 'Click OK'.

- Patient ID: First 3 letters of last name, first 3 letters of first name

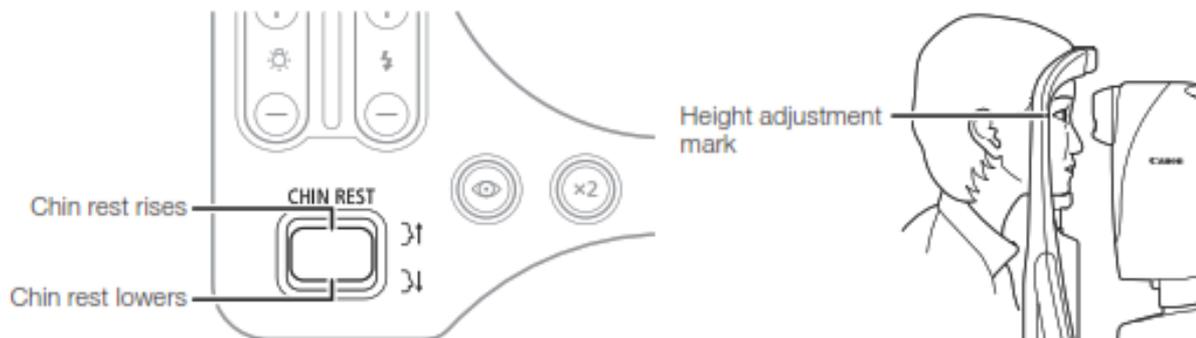


- The patient is now saved, and camera is ready to take photo.

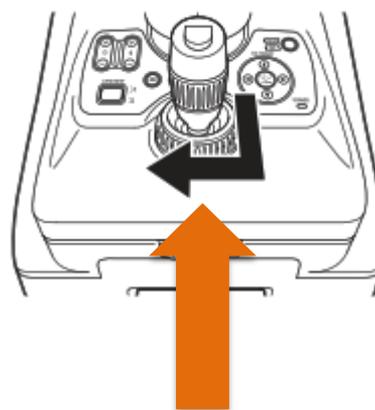




1: Move chin rest button up and down so patient's eye is beside head adjustment mark



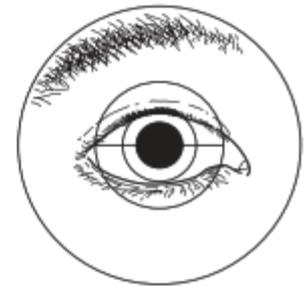
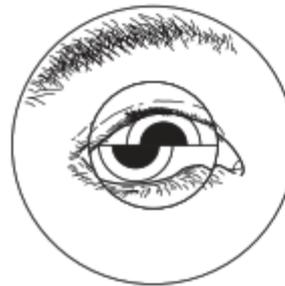
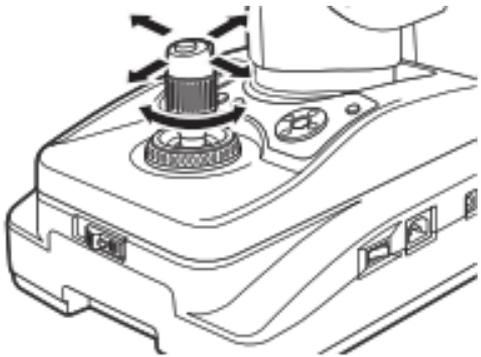
2: Move joystick forward



towards eye

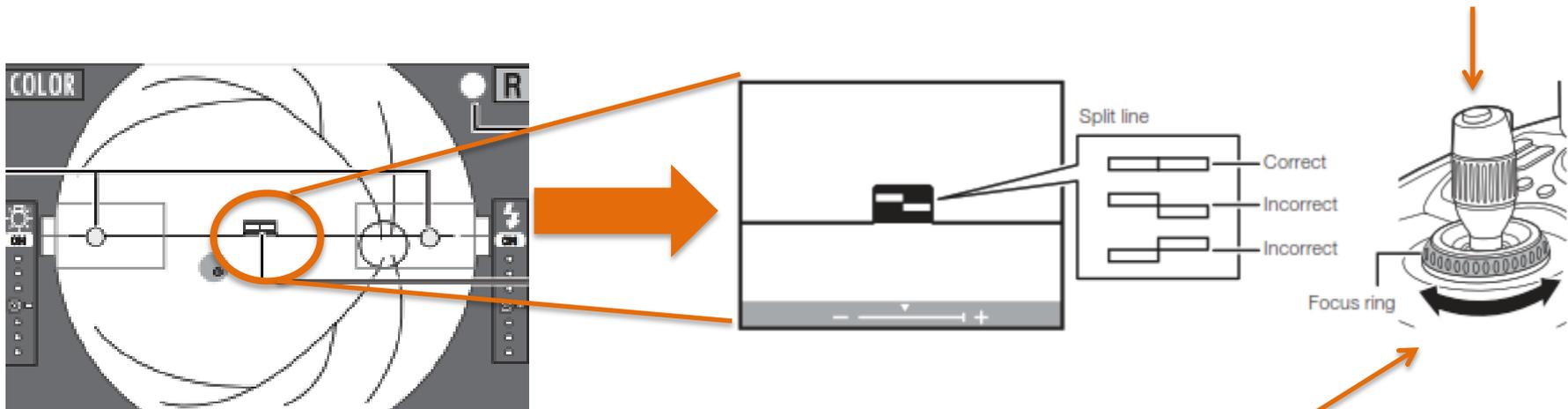


3: Twist joystick and Now look at camera screen to get eye lined up like this





- Your view on the camera screen

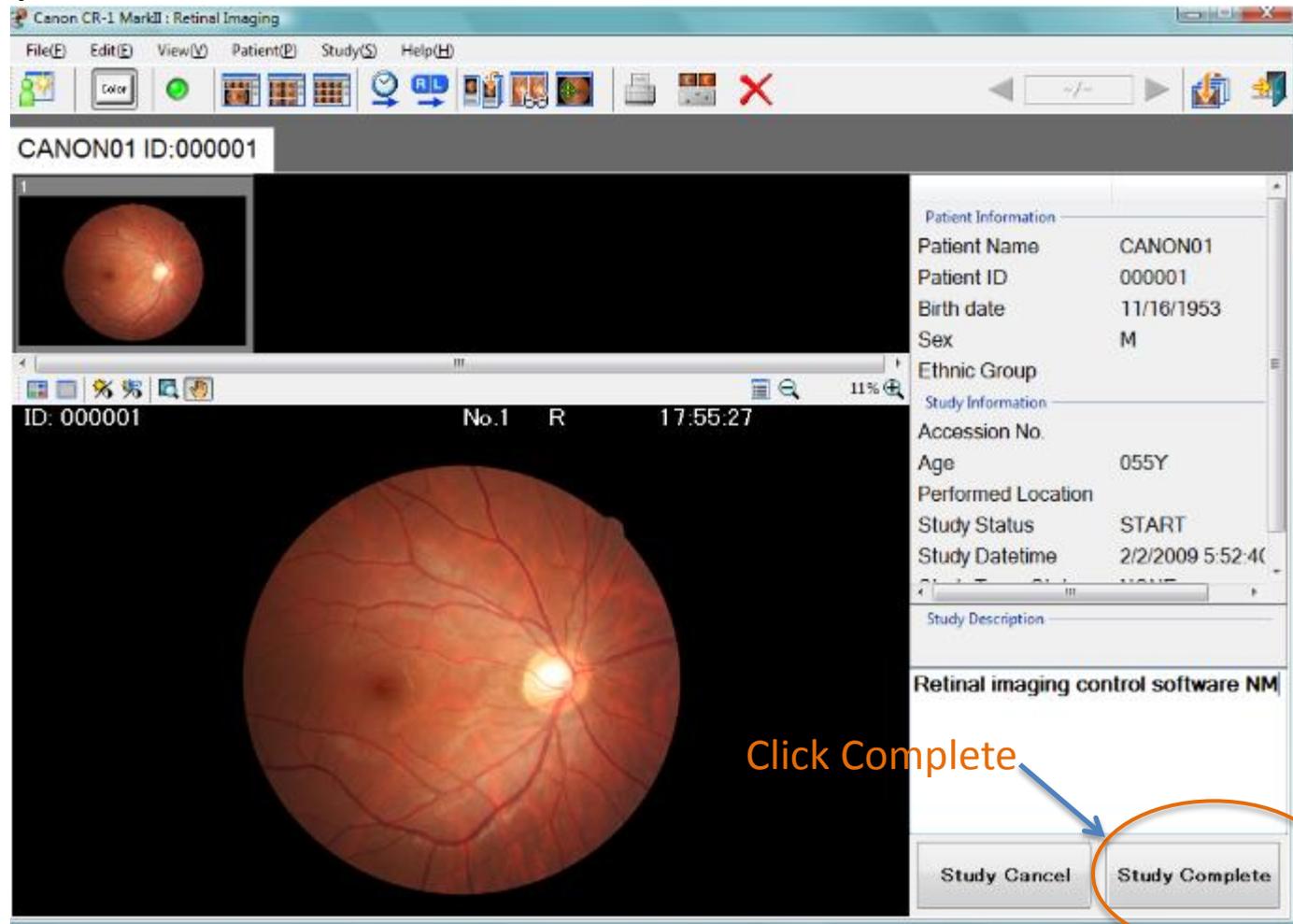


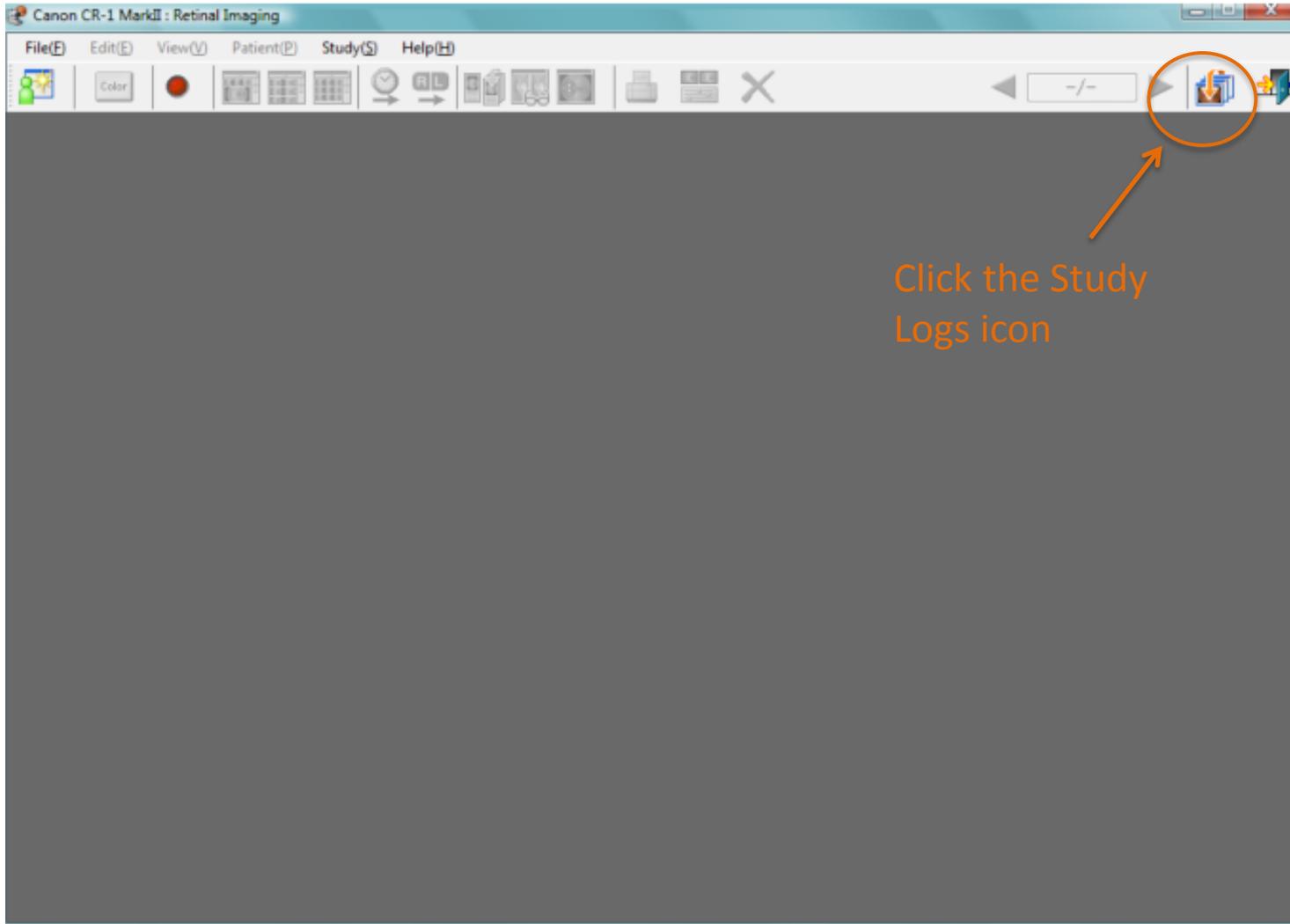
4: Use the focus ring to get the correct lines

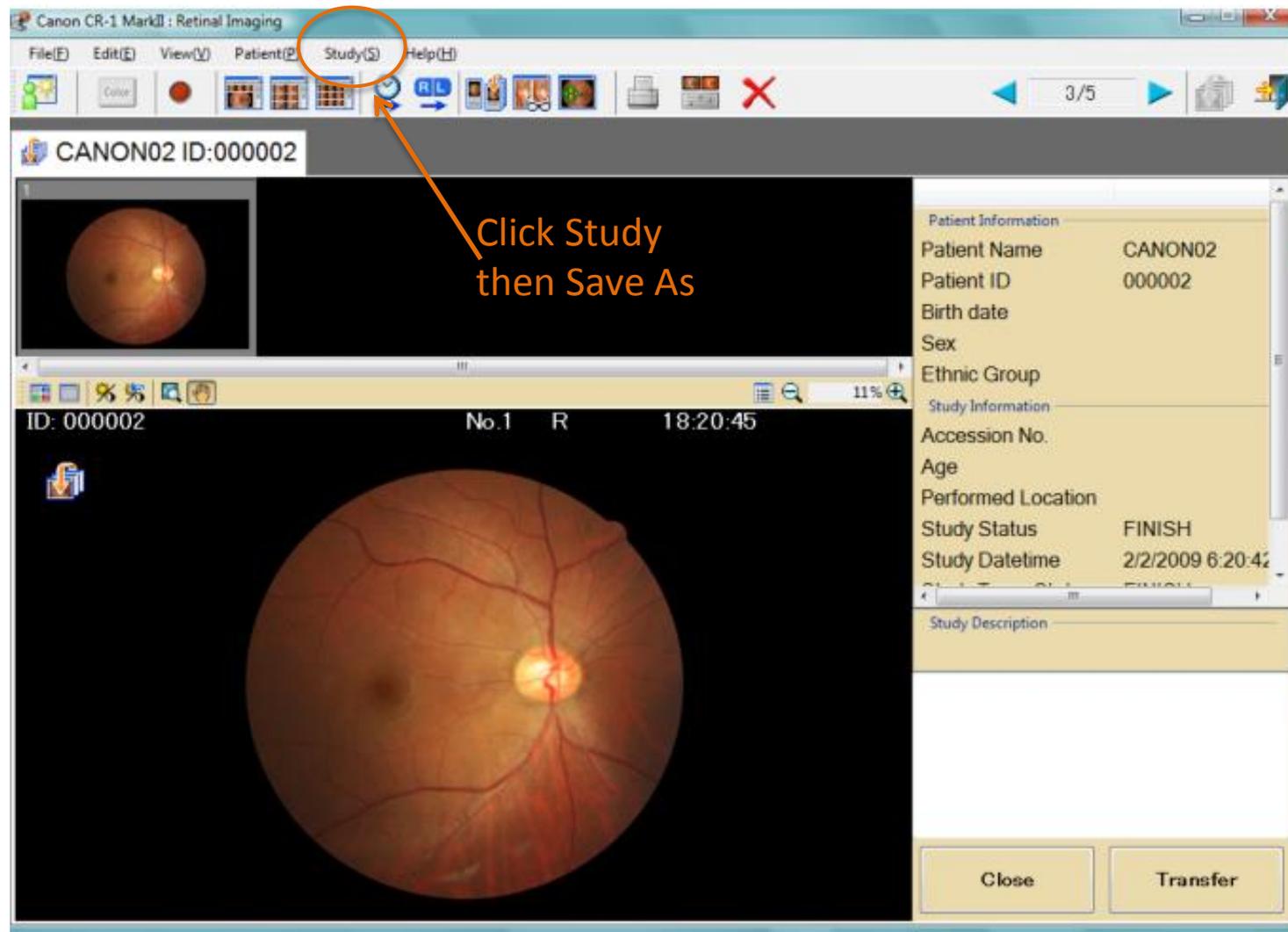
5: Press button on top of joystick to take photo



- The photo is now taken







**Click Study then Save As**

Patient Information	
Patient Name	CANON02
Patient ID	000002
Birth date	
Sex	
Ethnic Group	
Study Information	
Accession No.	
Age	
Performed Location	
Study Status	FINISH
Study Datetime	2/2/2009 6:20:42
Study Description	

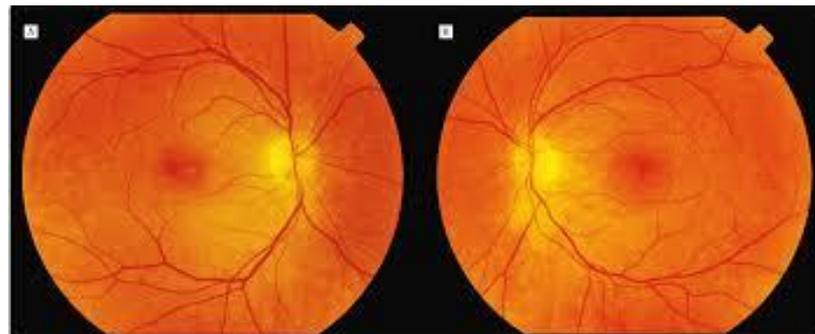
Close      Transfer



- Send to [outbackvision@gmail.com](mailto:outbackvision@gmail.com) or through MMex to Dr Angus Turner

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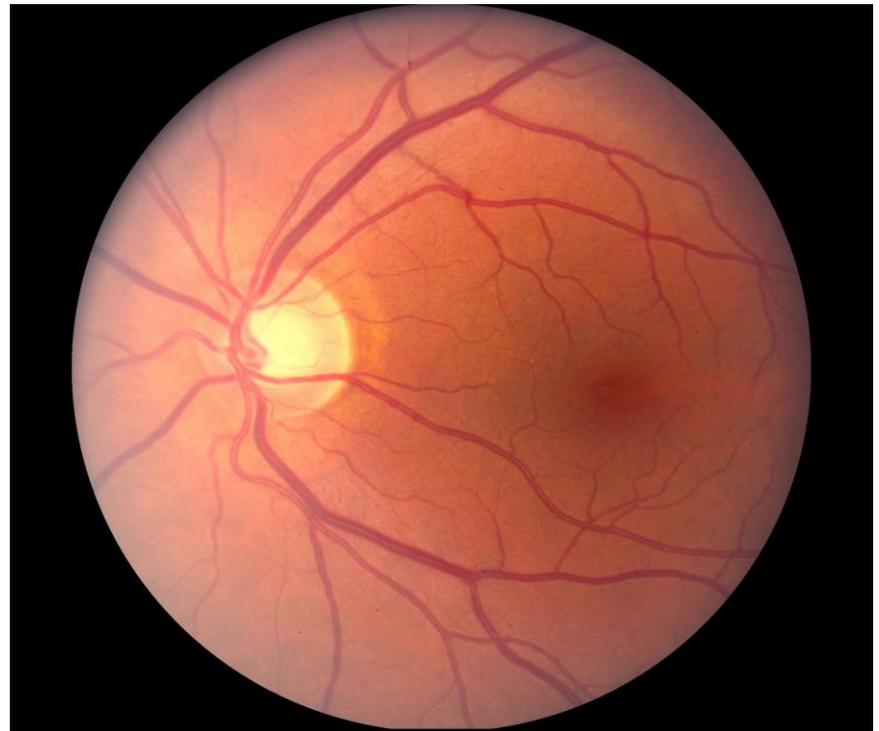
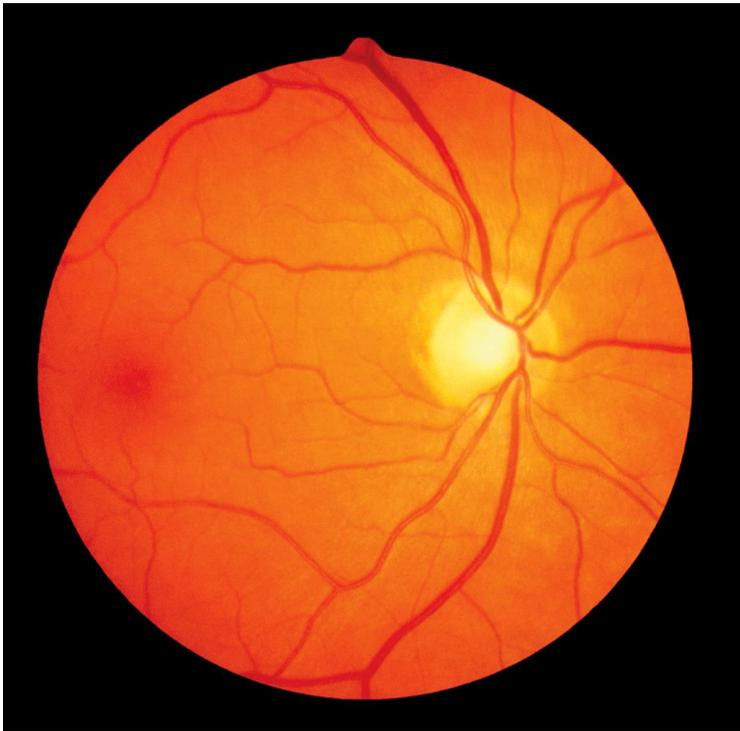


- If lens is dirty, use cotton bud or glasses tissue cloth to wipe dirt off





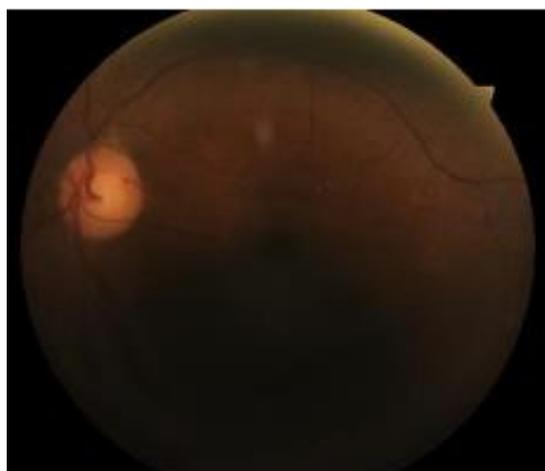
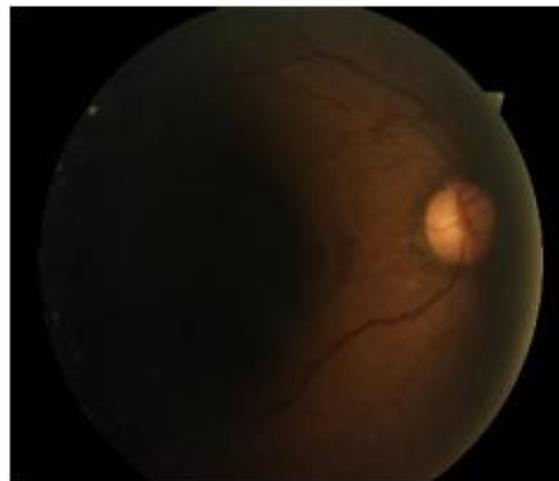
- Good Photos





- Bad photos

**Too Dark**

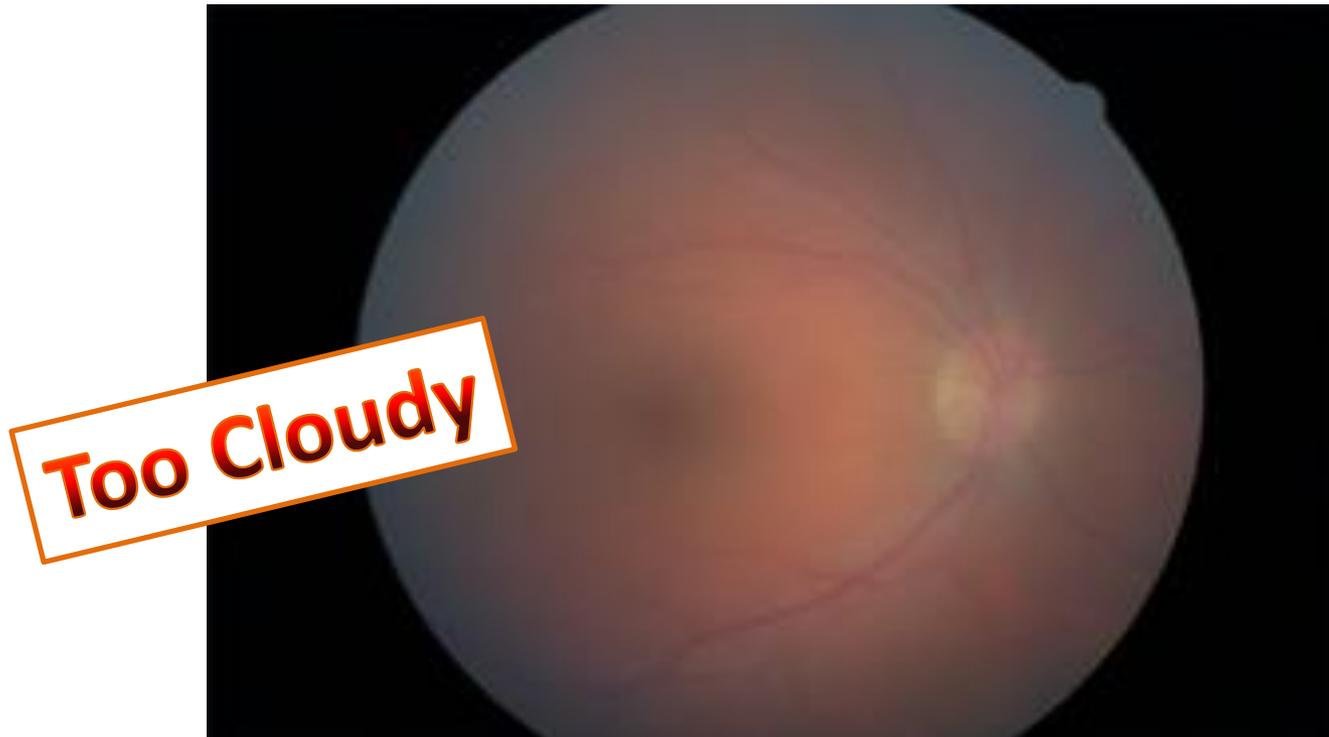


**Eyelashes**





- Cataracts





# Let's Get Screening!





Lions Outback Vision Outreach Eye Health program *proudly supported by:*



**Devil Creek Gas Plant**

