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[^0]
## The Nakuru Eye Disease <br> Cohort Study

## Study Questionnaire

2013

| REFERRALS |  |  |
| :--- | :--- | :--- |
| DIABETIC | $\square$ Yes - REFER | READING GLASSES DISPENSED? <br> POWER |
| Distance GLASSES | $\square$ Yes - REFER |  |
| CATARACT | $\square$ Yes - REFER | Any other treatment? E.g. drops |
| GLAUCOMA | $\square$ Yes - REFER |  |
| DIABETIC RETINOPATHY | $\square$ Yes - REFER |  |
| OTHER | $\square$ Yes - REFER |  |

Mark Tick Boxes using a black biro with a cross " $X$ ", if marked incorrectly, fill in the box and mark the correct box.
e.g. $\boldsymbol{x}$ if incorrect fill the box $\rightarrow$

Answer Questions in the grey boxes

| Phase | Section | Page | Complete? |
| :---: | :--- | :---: | :---: |
| 1 | Registration/Demographic Data [A] | 3 | $\square$ |
|  | Autorefraction [B] | 4 | $\square$ |


| Phase | Visual Acuity <br> $[\mathrm{A}]$ | Interview <br> $[\mathrm{B}]$ | Height/Weight <br> etc. <br> $[\mathrm{C}]$ | Slit Lamp- <br> Undilated <br> $[\mathrm{D}]$ | Visual <br> Fields <br> $[\mathrm{E}]$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ |
| Page | $5-7$ | $8-12$ | 13 | $14-16$ | 17 |

All tests above this line must be completed before pupil dilation

| Phase | Section | Page | Complete? |
| :---: | :--- | :---: | :---: |
|  | Dilated Slit Lamp Examination | $18-22$ | $\square$ |
|  | Fundus Camera | 23 | $\square$ |

$\square$ -

| Refraction? <br> (Select ONE only) | Right Eye | Left Eye |
| :---: | :---: | :---: |
|  | $\square$ AutoRefraction possible | $\square$ AutoRefraction possible |
|  | AutoRefraction not possible | AutoRefraction not possible |
|  | $\square$ Manual Refraction | $\square$ Manual Refraction |
| Refraction Result | Right Eye | Left Eye |
| Sphere +/- 00.00 (to nearest 0.25) |  |  |
| Cylinder +/-00.00 (to$\text { nearest } 0.25 \text { ) }$ |  |  |
| Axis 0-180 |  |  |
| Reliability score (1 to 9) |  |  |
| Print out Autorefraction and attach to back of booklet |  |  |

## I have recorded the data onto the form:

## 2.A. Presenting Vision (Ophthalmic Nurse

| Glasses <br> (Select ONE only) | $\square$ Wearing distance glasses (Go to 2.A.a) |
| :--- | :--- |
|  | $\square$ Has no distance glasses (Go to 2.A.b) |
|  | $\square$ Forgot distance glasses (Go to 2.A.b) |


| Wears glasses for reading | $\square$ Yes | $\square$ No |
| :--- | :--- | :---: |
| Wears aphakic glasses <br> (has had cataract surgery) | $\square$ Yes | $\square$ No |

## 2.A.a

Test vision WITH glasses if available. If own glasses not available skip to Question 2.A.b (page 6)

| Vision WITH distance or <br> aphakic glasses at 4 m | Number of letters seen at 4 meters (0 to 39) | R | L |
| :--- | :--- | :--- | :--- |

If Visual Acuity Recorded at 4 meters (greater than 00) in either eye move to next station If misses top $E$ at 4 m , move to 1 m and retest (Record 00 at 4 m )

| Vision WITH distance or <br> aphakic glasses at 1 m | Number of letters seen at 1 meter (0 to 39) | R | L |
| :--- | :--- | :--- | :--- |
| If misses top E at 1m, move to next box (Record 00 at 1m) |  |  |  |


| If cannot see at 1m | Right Eye | Left Eye |
| :--- | :--- | :--- |
| (Select ONE only) | $\square$ Counting fingers at 1m | $\square$ Counting fingers at 1m |
|  | $\square$ Hand Movements | $\square$ Hand Movements |
|  | $\square$ Perception of light | $\square$ Perception of light |
|  | $\square$ No light perception (in <br> dark) | $\square$ No light perception (in <br> dark) |

2.A.b (not needed if vision was tested with own glasses)

| Vision WITHOUT glasses <br> at 4 m | Number of letters seen at 4 meters (0 to 39) | R | L |
| :--- | :--- | :--- | :--- |

If Visual Acuity Recorded at 4 meters (greater than 00) in either eye move to next station If misses top $E$ at 4 m , move to 1 m and retest (Record 00 at 4 m )

| Vision WITHOUT glasses <br> at $1 \mathrm{~m}($ if 00 at 4 m$)$ | Number of letters seen at 1 meter (0 to 39) | R | L |
| :--- | :--- | :--- | :--- |
| If misses top $E$ at 1 m , move to next box (Record 00 at 1 m ) |  |  |  |


| If cannot see at 1m | Right Eye | Left Eye |
| :--- | :--- | :--- |
| (Select ONE only) | $\square$ Counting fingers at 1m | $\square$ Counting fingers at 1m |
|  | $\square$ Hand Movements | $\square$ Hand Movements |
|  | $\square$ Perception of light | $\square$ Perception of light |
|  | $\square$ No light perception (in <br> dark) | $\square$ No light perception (in <br> dark) |


| Is Best Corrected <br> Visual Acuity <br> (Wearing refraction <br> results) Indicated | $\square$ Not indicated (could read 25 or more letters in the best eye) <br> From Page 4 <br> (Select ONE only) |
| :--- | :--- |
|  | Move patient to next station (miss page 7) <br> refraction not available therefore use pinhole. |
|  |  |

NOW TEST BEST CORRECTED/PIN HOLE VISUAL ACUITY IF LESS THAN 25 LETTERS SEEN IN better eye

| How was corrected vision tested <br> (Select ONE only) | $\square$ CORRECTED WITH LENSES |
| :--- | :--- |
|  | $\square$ CORRECTED WITH PINHOLE <br> If refraction was not possible |
|  | $\square$ CORRECTED VISION NOT TESTED |

Using refraction result from Section 1.B, page 4

| BEST CORRECTED VISUAL <br> ACUITY at 4 m | Number of letters seen at 4 meters (0 to 39) | R | L |
| :--- | :--- | :--- | :--- |
| Move to next station if Best Corrected Visual Acuity Recorded at 4 meters (greater than 00) <br> If misses top E at 4 m, move to 1 m and retest (Record 00 at 4 m ) |  |  |  |


| BEST CORRECTED VISUAL <br> ACUITY at 1 m | Number of letters seen at 1 meter (0 to 39) | R | L |
| :--- | :--- | :--- | :--- |
| If misses top E at 1 m , Record 00 at 1 m |  |  |  |

## I have recorded the data onto the form:

Name
2.B. General Heath (Nurse/Interviewer)

| Have you ever been diagnosed | $\square$ Yes (1) |  |  | $\square$ No (2) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | If NO , go to next question |  |
| How long ago were you diagnosed with diabetes? | Years (01-99) <br> If less than one year, enter " 01 " |  |  |  |  |
| Are you receiving treatment for diabetes? (select ALL that apply) | Yes, insulin (1) | Yes, tablets (2) | $\square$ Yes diet (3) | Yes, traditional (4) | No (5) |


| Have you ever been diagnosed with high blood pressure? | $\square$ Yes (1) |  | $\square \mathrm{No}(2)$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | If NO , go to next question |  |
| How long ago were you diagnosed with high blood pressure? | Years (if less than 1 year mark "0" |  |  |  |
| Are you receiving treatment for high blood pressure? (select ALL that apply) | $\square$ Yes, tablets (1) | $\square$ Yes, diet (2) | $\square$ Yes, traditional (3) | $\square \mathrm{No}$ (4) |


| Have you been diagnosed or <br> are you suffering from any of <br> the following? (tick all that <br> apply) | $\square$ Renal <br> Disease (1) | $\square$ Heart <br> Disease (2) | $\square$ Foot <br> Ulcers (3) | $\square$ None (4) |
| :--- | :--- | :--- | :--- | :--- |
| Did/Do your mother have any <br> of the following? | $\square$ Diabetes <br> (1) | $\square$ High Blood <br> Pressure (2) | $\square$ Blinding <br> eye condition <br> (3) | $\square$ Not <br> sure/None (4) |
| Did/Do your father have any of <br> the following? | $\square$ Diabetes <br> (1) | $\square$ High Blood <br> Pressure (2) | $\square$ Blinding <br> eye condition <br> (3) | $\square$ Not <br> sure/None (4) |
| Did/Do your siblings have any <br> of the following? | $\square$ Diabetes <br> (1) | $\square$ High Blood <br> Pressure (2) | $\square$ Blinding <br> eye condition <br> (3) | $\square$ Not <br> sure/None (4) |

$\square$ $-\square \square$ $\square$ $-\square$ $\qquad$

## 2.B. continued: Blood Pressure (Nurse)



| Have you ever smoked? | $\square \text { Never (1) }$ | Former (stopped > 6 months ago) (2) |  | Current (in last 6 months) (3) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| If "Never", skip to next question |  |  |  |  |  |
|  |  | Age at starting | years |  |  |
|  |  | Duration of use | years |  |  |
|  |  | Number of days per week | days ( | max 07) |  |
|  |  | Number smoked per day |  |  |  |


| Have you ever snuffed tobacco? | Never (1) | Former (stopped > 6 months ago) (2) |  | Current (in last 6 months) (3) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| If "Never", skip to next question |  |  |  |  |  |
|  |  | Age at starting | years |  |  |
|  |  | Duration of use | years |  |  |
|  |  | How many days used per week | days ( | max 07) |  |
|  |  | How many times used per day |  |  |  |

## 2.B. continued

| Have you ever chewed tobacco? | Never (1) | Former (stopped > 6 months ago) (2) |  | Current (in last 6 months) (3) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| If "Never", skip to next page |  |  |  |  |  |
|  |  | Age at starting | years |  |  |
|  |  | Duration of use | years |  |  |
|  |  | Number of days per week | days (m | max 07) |  |
|  |  | Number chewed per day |  |  |  |

Study ID
 $-\square \square$

## 2.B. Socioeconomic Status (Nurse/Interviewer)

| In the last month have you had a job <br> other than working in the field owned <br> or rented by the household? | Yes (1) |  | $\square$ No (2) |
| :--- | :--- | :--- | :--- | :--- |



## Blood Pressure

| Third Blood Pressure <br> Reading | Systolic (00 to 250) | Diastolic (00 to 250) | Pulse (00 to 250) |
| :--- | :--- | :--- | :--- |
|  |  |  |  |

Treatment history and barriers to uptake (Nurse/Interviewer)

| Previous Eye Surgery (Select ALL that apply) | Right Eye | Left Eye |
| :---: | :---: | :---: |
|  | $\square$ Cataract Surgery | $\square$ Cataract Surgery |
|  | $\square$ Eye lid surgery (Trachoma) | $\square$ Eye lid surgery (Trachoma) |
|  | $\square$ Glaucoma Surgery | $\square$ Glaucoma Surgery |
|  | $\square$ Other | $\square$ Other |
|  | $\square$ No Surgery | $\square$ No Surgery |
| Current regular medicine for the eyes <br> (Select ALL that apply) | Right or Left Eyes |  |
|  | $\square$ Antibiotics |  |
|  | $\square$ Steroids |  |
|  | $\square$ Anti-Glaucoma |  |
|  | $\square$ Lubricant |  |
|  | $\square$ Other |  |
|  | $\square$ No medicines |  |

$\square$ $-\square \square$

## 2.D. Anterior Segment Examination (Ophthalmologist)

| Relative Afferent Pupil Defect | Right Eye |  | Left Eye |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :---: | :---: | :---: | :---: |
|  | $\square$ Sefinite |  |  |  |  | $\square$ Subtle | $\square$ Definite | $\square$ Subtle |
|  | $\square$ Not able | $\square$ No | $\square$ Not able |  |  |  |  |  |


| Pterygium present and extent | Right Eye | Left Eye |
| :---: | :---: | :---: |
|  | $\square$ No Pterygium | $\square$ No Pterygium |
|  | $\qquad$ involved | $\qquad$ involved |
|  | $\square$ Pterygium - Cornea Involved | $\begin{aligned} & \square \text { Pterygium - Cornea } \\ & \text { Involved } \end{aligned}$ |
| mm in to cornea from limbus (0-12) | $\square \square$ | $\square \square$ |


| Random blood sugar <br> $\mathrm{mmol} / \mathrm{L}$ | 0.0 to 35.0 |  |
| :--- | :--- | :--- |


| If $\geq 11.1$ <br> mmol/ $/ \mathrm{L}$ | HbA1c <br> $(\%)$ | Enter number on <br> screen $(<4$ or $>13$ may <br> be shown $)$ |  |
| :--- | :--- | :--- | :--- |

## I have recorded the data onto the form:

2.D. continued

| Corneal scarring grade | Right Eye | Left Eye |
| :---: | :---: | :---: |
|  | $\square$ NO Opacity | $\square$ NO Opacity |
|  | $\square$ Opacity not entering central 4mm (C1) | $\square$ Opacity not entering central 4 mm (C1) |
|  | $\square$ Opacity within central 4 mm but not entering within the central 1 mm of the cornea. The pupil margin is visible through the opacity (C2a) | $\square$ Opacity within central 4 mm but not entering within the central 1 mm of the cornea. The pupil margin is visible through the opacity (C2a) |
|  | Opacity within central 4 mm but not entering within the central 1 mm of the cornea. The pupil margin is not visible through the opacity (C2b) | Opacity within central 4 mm but not entering within the central 1 mm of the cornea. The pupil margin is not visible through the opacity (C2b) |
|  | $\square$ Opacity within central 4 mm and entering the central 1 mm of the cornea. The pupil margin is visible through the opacity (C2c) | $\square$ Opacity within central 4 mm and entering the central 1 mm of the cornea. The pupil margin is visible through the opacity (C2c) |
|  | $\square$ Opacity within central 4 mm and entering within the central 1 mm of the cornea. The pupil margin is not visible through the opacity (C2d) | $\square$ Opacity within central 4 mm and entering within the central 1 mm of the cornea. The pupil margin is not visible through the opacity (C2d) |
|  | $\square$ Opacity large enough and dense enough to make whole pupil margin invisible (C3) | $\square$ Opacity large enough and dense enough to make whole pupil margin invisible (C3) |
|  | $\square$ Phthisis (C4) | $\square$ Phthisis (C4) |


| Anterior Segment | Right Eye | Left Eye |
| :--- | :--- | :--- |
|  | $\square$ Pseudoexfoliation | $\square$ Pseudoexfoliation |
|  | $\square$ Iris Trans illumination | $\square$ Iris Trans illumination |
|  | $\square$ Krukenberg's Spindle | $\square$ Krukenberg's Spindle |
|  | $\square$ Evidence of previous inflammation | $\square$ Evidence of previous inflammation |
|  | $\square$ None of the above | $\square$ None of the above |

2.D. continued

| Van Herick's | Right Eye | Left Eye |
| :---: | :---: | :---: |
|  | $\square \mathrm{ACD}=0$ or negligible (0) | $\square \mathrm{ACD}=0$ or negligible (0) |
|  | $\square \mathrm{ACD} 51 / 4$ cornea (1) | $\square \mathrm{ACD} \leq 1 / 4$ cornea (1) |
|  | $\square \mathrm{ACD}=1 / 4$ cornea (2) | $\square \mathrm{ACD}=1 / 4$ cornea (2) |
|  | $\square \mathrm{ACD}=1 / 4-1 / 2$ cornea (3) | $\square \mathrm{ACD}=1 / 4-1 / 2$ cornea (3) |
|  | $\square \mathrm{ACD} \mathrm{>=1/2} \mathrm{cornea} \mathrm{(4)}$ | $\square \mathrm{ACD}>=1 / 2$ cornea (4) |
|  | $\square$ not gradable (9) | $\square$ not gradable (9) |


| Applanation IOP $(\mathrm{mmHg})$ | $99=$ not <br> possible | $\mathbf{R}$ | $\mathbf{L}$ |
| :--- | :--- | :--- | :--- |


| Gonioscopy | Right Eye | Left Eye |
| :---: | :---: | :---: |
|  | $\square \mathrm{Nil}$ (0) | $\square \mathrm{Nil}$ (0) |
|  | Scwalbe's line and anterior meshwork (1) | $\square$ Scwalbe's line and anterior meshwork (1) |
|  | Posterior pigmented meshwork (2) | $\square$ Posterior pigmented meshwork (2) |
|  | $\square$ Scleral Spur (3) | $\square$ Scleral Spur (3) |
|  | $\square$ Ciliary Band (4) | $\square$ Ciliary Band (4) |
|  | $\square$ Not gradable (5) | $\square$ Not gradable (5) |

Safe to dilate? $\square \mathrm{Yes} \square$ No
$\square$
$\square$ $-\square \square$
2.E. Visual Fields (Visual Field Technician)

| VF completed? | Right Eye | Left Eye |
| :---: | :---: | :---: |
|  | $\square \mathrm{Yes}$ | $\square \mathrm{Yes}$ |
|  | $\square$ No - uncooperative | $\square$ No - uncooperative |
|  | $\square$ No - poor visual acuity | $\square$ No - poor visual acuity |
|  | $\square$ No - machine failure | $\square$ No - machine failure |
| Classification (in the field - by ophthalmologist or OCO) | Right Eye | Left Eye |
|  | $\square$ Normal | $\square$ Normal |
|  | Abnormal - definite Glaucoma | Abnormal - definite Glaucoma |
|  | $\square$ Abnormal - suspect glaucoma | $\square$ Abnormal - suspect glaucoma |
|  | $\square$ Abnormal - non-glaucoma | $\square$ Abnormal - non-glaucoma |

## Print out Visual Fields and attach to back of booklet

I have recorded the data onto the form and printed the visual fields
Name
Date
3.A. Dilated Examination (Ophthalmologist)

| WHO CATARACT GRADING (See Document for Reference) |  |  |
| :---: | :---: | :---: |
| Cataract | Right Eye | Left Eye |
| (Select ONE only) | [0] $\square$ No cataract | [0] $\square$ No cataract |
|  | [I] $\square$ Gradable cataract | [I] $\square$ Gradable cataract |
| 3.A. 1 | [2] Mature | [2] $\square$ Mature |
|  | [3] Hypermature | [3] $\square$ Hypermature |
|  | [4] Corneal Opacity | [4] $\square$ Corneal Opacity |
|  | [5] $\square$ Phythsis | [5] $\square$ Phythsis |
|  | [7] Aphakia | [7] Aphakia |
|  | [8] $\square \mathrm{IOL}$ | [8] $\square \mathrm{IOL}$ |
|  | [9] $\square$ Can not grade | [9] $\square$ Can not grade |
| Nuclear | Right Eye | Left Eye |
| (Select ONE only) | $\square$ Not applicable | $\square$ Not applicable |
|  | $\square$ Nuclear 0 [0] | $\square$ Nuclear 0 [0] |
|  | $\square$ Nuclear I [I] | $\square$ Nuclear I [1] |
|  | $\square$ Nuclear 2 [2] | $\square$ Nuclear 2 [2] |
|  | $\square$ Nuclear 3 [3] | $\square$ Nuclear 3 [3] |
|  | $\square$ Aphakia [7] | $\square$ Aphakia [7] |
|  | $\square \mathrm{IOL}$ [8] | $\square \mathrm{IOL}$ [8] |
|  | $\square$ Cannot grade [9] | $\square$ Cannot grade [9] |

3.A. continued

| Cortical <br> (Select ONE only) | Right Eye |  |  | Left Eye |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\square$ Not applicable |  |  | $\square$ Not applicable |  |  |
|  | $\square$ Cortical 0 [0] |  |  | $\square$ Cortical 0 |  |  |
|  | $\square$ Cortical I [1] |  |  | $\square$ Cortical I |  |  |
|  | $\square$ Cortical 2 [2] |  |  | $\square$ Cortical 2 |  |  |
|  | $\square$ Cortical 3 [3] |  |  | $\square$ Cortical 3 |  |  |
|  | $\square$ Aphakia [7] |  |  | $\square$ Aphakia |  |  |
| $\begin{aligned} & 0:<1 / 8,1: 1 / 8 \text { to }<1 / 4,2: 1 / 4 \text { to } \\ & <1 / 2,3: 1 / 2+ \end{aligned}$ | $\square \mathrm{IOL}$ [8] |  |  | $\square \mathrm{IOL}$ |  |  |
|  | $\square$ Cannot grade [9] |  |  | $\square$ Cannot grade |  |  |
| Cortical Central? (central 3mm) | $\begin{aligned} & \square \mathrm{Yes} \\ & {[1]} \end{aligned}$ | $\square$ No [2] | $\begin{aligned} & \square \mathrm{N} / \mathrm{A} \\ & \text { [3] } \end{aligned}$ | $\begin{aligned} & \square \text { Yes } \\ & {[1]} \end{aligned}$ | $\square \mathrm{No}$ [2] | $\begin{aligned} & \square \mathrm{N} / \mathrm{A} \\ & \text { [3] } \end{aligned}$ |


| Posterior Subcapsular (PSC) <br> (Select ONE only) <br> 0 : <1mm <br> 1: $>=1 \mathrm{~mm},<2 \mathrm{~mm}$ <br> 2: $>=2 \mathrm{~mm},<3 \mathrm{~mm}$ <br> 3: >=3mm | Right Eye | Left Eye |
| :---: | :---: | :---: |
|  | $\square$ Not applicable | $\square$ Not applicable |
|  | $\square$ PSC 0 [0] | $\square$ PSC 0 [0] |
|  | $\square$ PSC I [I] | $\square$ PSC I [1] |
|  | $\square$ PSC 2 [2] | $\square$ PSC 2 [2] |
|  | $\square \mathrm{PSC} 3$ [3] | $\square \mathrm{PSC} 3$ [3] |
|  | $\square$ Aphakia [7] | $\square$ Aphakia [7] |
|  | $\square \mathrm{IOL}$ [8] | $\square \mathrm{IOL}$ [8] |
|  | $\square$ Cannot grade [9] | $\square$ Cannot grade [9] |
| Posterior Capsular Opacification (PCO) with IOL | Right Eye | Left Eye |
|  | $\square$ Yes - within central 3mm [1] | $\square$ Yes - within central 3mm [1] |
|  | $\square$ No - Clear capsule [2] | $\square$ No - Clear capsule [2] |
|  | $\square$ Not sure [3] | $\square$ Not sure [3] |
|  | $\square$ Evidence of capsulotomy [4] | $\square$ Evidence of capsulotomy [4] |
|  | $\square$ Yes - outside central 3mm [5] | $\square$ Yes - outside central 3mm [5] |
|  | $\square$ N/A [9] | $\square$ N/A [9] |

POSTERIOR SEGMENT EXAMINATION (1 in 10 participants and those in whom imaging not possible)

| $\square \mathrm{I}$ in IO | $\square$ Imaging not possible | $\square$ Not applicable (skip to 3B) |
| :--- | :--- | :--- |


| View of PSED at slit lamp | Right Eye | Left Eye |
| :--- | :--- | :--- |
|  | $\square$ Clear | $\square$ Clear |
|  | $\square$ Hazy | $\square$ Hazy |
|  | $\square$ No view | $\square$ No view |


$\square$ $-\square \square$

Study ID $\square$ -
3.A. continued

| Diabetic Retinopathy (Select ONE only) | Right Eye | Left Eye |
| :---: | :---: | :---: |
|  | $\square$ No diabetic retinopathy | $\square$ No diabetic retinopathy |
|  | $\square$ Non-proliferative | $\square$ Non-proliferative |
|  | $\square$ Proliferative/end stage | $\square$ Proliferative/end stage |
|  | $\square$ Cannot assess | $\square$ Cannot assess |
| Diabetic Maculopathy (Select ONE only) | $\square$ Diabetic Maculopathy | $\square$ Diabetic Maculopathy |
|  | $\square$ No Diabetic Maculopathy | $\square$ No Diabetic Maculopathy |
|  | $\square$ Cannot assess | $\square$ Cannot assess |
| Age Related Maculopathy (ARM) | Right Eye | Left Eye |
|  | $\square$ No ARM [1] | $\square$ No ARM [1] |
|  | $\square$ Drusen [2] | $\square$ Drusen [2] |
|  | $\square$ Hypo/hyper pigmentation [3] | $\square$ Hypo/hyper pigmentation [3] |
|  | $\square$ Can not assess [4] | $\square$ Can not assess [4] |
| Age Related Macular Degeneration (ARMD) | Right Eye | Left Eye |
|  | $\square$ No ARMD | $\square$ No ARMD |
|  | $\square$ Dry or Geographic | $\square$ Dry or Geographic |
|  | $\square$ Wet/Neovascular/Disciform | $\square$ Wet/Neovascular/Disciform |
|  | $\square$ Can not assess | $\square$ Can not assess |
| Other PSED Pathology | Right Eye | Left Eye |
|  | $\square$ Yes | $\square$ Yes |
|  | $\square$ No | $\square$ No |
|  | $\square$ Can not assess | $\square$ Can not assess |
| If Yes - Specify (free text) | R | L |

3.B. Fundus Photography

| Participant details entered on home screen |  | $\square$ Yes | $\square$ No |  |
| :---: | :---: | :---: | :---: | :---: |
| Participant Study ID Number |  | Xxx-xx |  |  |
| Camera Failure? | $\square \mathrm{Yes}$ | $\square$ No |  |  |
| ANTERIOR SEGMENT \& LENS PHOTO <br> SIT PATIENT BACK SLIGHTLY ON CHIN REST (3cm) |  |  |  |  |
| Image clarity | Right Eye | Left Eye |  |  |
|  | $\square$ Clear | $\square$ Clear |  |  |
|  | $\square$ Hazy | $\square$ Hazy |  |  |
|  | $\square$ No view | $\square$ No view |  |  |
| FUNDUS PHOTOGRAPH AUTOMATIC MODE MANUAL IF UNABLE |  |  |  |  |
| Posterior Segment Image clarity | Right Eye | Left Eye |  |  |
|  | $\square$ Clear | $\square$ Clear |  |  |
|  | $\square$ Hazy | $\square$ Hazy |  |  |
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## Participant information sheet - to be translated in to Kiswahili and read to participants

THE INCIDENCE AND PROGRESSION OF POSTERIOR SEGMENT EYE DISEASE IN NAKURU COUNTY IN RESIDENTS AGED 55 YEARS AND ABOVE

You are being invited to take part in a research study. Before you decide to take part, it is important for you to understand why the research is being done and what it will involve. I will read information to you about this study. Please ask me if there is anything that is not clear or if you would like more information. Take time to decide whether or not you wish to take part

## What is the purpose of the study?

In the world today there are about 39 million blind people. Approximately half of these people are blind due to cataract, making this the single largest cause of global blindness. In 2007/8 we undertook a survey to investigate how common eye diseases are among older people in Nakuru. This information helps us to plan health services more efficiently. We low want to follow-up the people we examined to see how quickly eye disease progresses and how often new eye disease occurs

## Why have I been chosen?

Every person who was randomly selected for the study 5 years ago (in 2007/2008) is being invited to take part again in the study so we can see what has happened to you over this time,

## Do I have to take part?

No. It is up to you to decide whether or not to take part. If you decide to take part you will be asked to sign a consent form. If you decide to take part you are still free to withdraw at any time and without giving a reason.

## What is involved in the study?

We will give you a very complete eye examination to look for any problem at the front and inside the eye using several machines. We will also check the pressure in your eye. Some of the examinations will involve contact with your eye. Some drops will be put in your eye so that you feel no pain. We will also put drops in your eyes to make the pupils as big as possible so we can see inside clearly. This will cause blurring of your near vision for a few hours afterwards and so you will not be able to drive or operate dangerous machinery for the rest of the day. The risks and likelihood of side-effects from this procedure is extremely small. We will also collect information about your history of diabetes, high blood pressure, eye diseases, smoking and alcohol all of which affect your eyes.

Your height, weight and blood pressure will be measured. A finger prick blood sample will be taken to check for diabetes, and a swab from the inside of your cheek will be taken to measure genetic material (DNA). This genetic material carries information for making up our bodies and is different in all people. Having DNA samples helps us to understand whether diseases run in the family. The results are unlikely to have any implications for you personally. We will store the DNA for future laboratory research that may be needed.

All information which is collected about you during the course of the research will be kept strictly confidential and you name will never be released

Should we find that you could benefit from ant further eye treatment we will arrange an appointment for you to have treatment done at Nakuru eye unit. If you are found to be diabetic or have high blood pressure we will arrange for you be seen at the Nakuru provincial hospital. You will have to pay normal hospital fees for some of the treatment at the hospital. It is up to you to decide whether you would like to take up the offer of treatment or not.

## CONSENT FORM

The information sheet concerning this study has been read to me, and I understand what will be expected of me if I take part in this study.

My questions concerning this study have been answered by $\qquad$ I understand that participation in this study is voluntary. I also understand that I may withdraw from this study at any time without giving a reason and that this will not affect my normal care.

I agree to take part in this study
I agree to have a sample of genetic material (DNA) taken: Yes/No

Name of study subject:

Signature or thumbprint

Witness

Date

* Witness: By signing in this column I warrant that I have read this form and the information form to the persons against whos names my signature appears. I am sure that each of these persons has understood what is required of him/her and has agreed to take part in the study.


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