Section A: Study Design

Our 6-month study seeks to test whether glaucoma patients will use their eye drops more regularly if provided subsidies for medication and doctor’s visit costs.

We will compare the medication adherence of participants randomly allocated into one of two arms:

**SUBSIDY arm**
Earn subsidies by meeting medication adherence goals.

**USUAL CARE arm**
Receive fairness payments regardless of medication adherence.
What would you have to do?

- Keep your glaucoma eye drops in eCAP containers (provided free of charge during the study) that monitor your medication use
- Only open your eCAPs when using your eye drops
- Return your eCAPs at month 3 & 6
- Attend 2 assessment sessions at SNEC

Only participants who complete all study requirements will be provided with study subsidies or reimbursements.
Section B: Instructions on eCAP Use

What is an eCAP?

- The eCAP is a device with an in-built electronic tag which records the time whenever it is opened.

- When you open the eCAP to take out your medication, the time will be recorded.

- Store your glaucoma eye drop medication inside the vial covered by the eCAP at all times.
• Only remove eCAP(s) when you are instilling your glaucoma medication. Avoid unnecessary opening of the vial, as it records each time you unscrew the eCAP.

• Use your medication within the dosing windows indicated in your Eye Drop Dosing Schedule (Section C).

• When closing, twist the eCAP until you hear a “beep” sound and see a green light flash. This signals that the eCAP is locked in a proper position.

• Return eCAP(s) to study team for data extraction at month 3 and 6 visits.
**Section C: Eye Drop Dosing Schedule**

Please instill all eyedrop doses within the indicated dosing windows (marked with an X) to be considered adherent to your medication(s).

<table>
<thead>
<tr>
<th>eCAP ID</th>
<th>Brand Name</th>
<th>Eye(s)</th>
<th>Dose Drop(s)</th>
<th>Frequency</th>
<th>Morning</th>
<th>Afternoon</th>
<th>Evening</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>□ Left</td>
<td>□ Right</td>
<td>□ Both</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>eCAP ID</td>
<td>Brand Name</td>
<td>Eye(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
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<td>---------</td>
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<td></td>
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</tr>
<tr>
<td>Dose</td>
<td>Frequency</td>
<td>□ Left</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drop(s)</td>
<td>x daily</td>
<td>□ Right</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>□ Both</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
Section D: Instructions on Adherence Calculation

- Medication use is recorded with each eCAP opening.

- Only eCAP openings within the appropriate dosing windows in your (C) Eye Drop Dosing Schedule will contribute towards your adherence targets.

- You are considered adherent to your glaucoma medication for a day when you instill all doses for all prescribed glaucoma eye drops within the dosing windows for that particular day.
Assessment Period | Monitoring Period
--- | ---
Baseline Assessment | Week 1—4
Month 3 Assessment | Week 5—12
Month 6 Assessment | Week 15—27

Adherence for each period is calculated as:

\[
\text{No. of adherent days} \quad \times 100\% \\
\text{No. of days in monitoring period}
\]

Reports on your medication adherence will be sent to you at month 3 and 6.
Only participants in the **SUBSIDY arm** have the opportunity to **earn subsidies**

**Section E: Instructions on Subsidy Calculation**

- Subsidies are applied to an estimate of your 3 month healthcare costs at the month 3 and 6 assessments.

- Consultation and medication receipts collected from you at enrolment are used to estimate your 3 month healthcare costs

Your estimated 3 month healthcare costs = ______________
Based on the proportion of days that you are adherent to your medication over each monitoring period (at month 3 & 6), you will receive a certain percentage of subsidies on your estimated 3 month healthcare costs.

<table>
<thead>
<tr>
<th>Monitoring period</th>
<th>Total no. of days</th>
<th>Adherent days to reach 90% target</th>
<th>Adherent days to reach 75% target</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>56</td>
<td>51</td>
<td>42</td>
</tr>
<tr>
<td>2</td>
<td>84</td>
<td>76</td>
<td>64</td>
</tr>
<tr>
<td>Subsidies given for healthcare costs</td>
<td>50%</td>
<td>25%</td>
<td></td>
</tr>
<tr>
<td>Subsidies for 3 months of healthcare costs</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Section F: Study & Payment Schedule

Week 0
- **Enrolment** at SNEC

Week 4
- **Baseline Assessment** (4 Weeks)
  - Study group allocation by text message

Week 12
- **Monitoring period 1** (8 Weeks)
  - **Month 3 Assessment**—
    - eCAPS collected and returned by courier

Week 14
- **Monitoring period 2** (12 Weeks)

Week 27

Week 36
- **Month 6 Assessment** at SNEC - Bring your eCAPs!
<table>
<thead>
<tr>
<th>Week from baseline</th>
<th>SUBSIDY arm</th>
<th>USUAL CARE arm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Enrolment (Week 0)</strong></td>
<td>$10 in NTUC Vouchers</td>
<td></td>
</tr>
<tr>
<td><strong>Month 3 Assessment (Week 13 – 14)</strong></td>
<td>Bank transfer of $20 for return of eCAPs</td>
<td>Bank Transfer of subsidies earned</td>
</tr>
<tr>
<td><strong>Month 6 Assessment (After Week 27)</strong></td>
<td>$30 NTUC vouchers for completion of month 6 assessment</td>
<td>Bank transfer of subsidies earned (Within 2 weeks of eCAP return)</td>
</tr>
</tbody>
</table>
Frequently asked questions

What should I do about a lost / damaged eCAP / eCAP that does not close with a “beep” sound and a flashing of a green light?

- Please get in touch with the study team who will arrange for a replacement eCAP to be sent to you free of charge

When will I receive my study payments?

- All study payments that are not issued in NTUC vouchers will be made available by bank transfer within 2 weeks of eCAP return to the study team
Study Contact Numbers

Assistance on eCAPs & study appointments:

Study Research Optometrist

11 Third Hospital Avenue #05-00, SNEC Building, (S) 168751

Assistance on adherence & subsidies:

Study Project Coordinator

8 College Road, Level 4, Duke NUS Graduate Medical School, (S) 169857