

- iii. The questionnaire is part of an algorithm which is refined using machine learning to assess the patient's eye results and provides a working diagnosis and score on the urgency of the patient's condition.
- iv. The information generated from the working diagnosis, referral urgency, and test results (if any) will be made available to the doctor, providing structured information that is especially useful for junior doctors who may have limited exposure to eye conditions.
- v. During the patient's consultation, the SHP doctor can review the information and choose to follow or override the eye triaging system's recommendation based on his clinical assessment of the patient.
- vi. If the patient is referred to an eye specialist, a referral letter will be generated and patients will be directed to the SHP referral counter to make an appointment at SNEC.

Key Benefits of the Intelligent Eye Triaging System

1. Greater accuracy in referrals

- o While some cases can be handled at the primary care setting, the more urgent cases may need timely specialist follow-up. The system can assist primary care doctors in making the decision on whether a patient requires a specialist referral. Based on pilot results, the accuracy of referrals to eye specialists have increased from 42% to 60%.

2.