Health Technology Review

Technology Ref.:	HTA21029
Technology Name:	iPredictTM
Approvals by International Bodies:	**CE Certified**
Company name:	**iHealthScreen Ltd**
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Short Description of the Technology:	iPredictTM is an artificial intelligence (AI) based software technology that allows a fully automated diagnosis of three retinal/eye diseases (DR, AMD, and glaucoma) suspect using the retinal color fundus camera of a validated web-based platform (currently, supports the following browsers: Google Chrome, internet explorer or safari).

Health Technology Assessment Team Recommendation:	**Approved**
Summary of Review:	

iPredict is a cloud-based software tool which uses artificial intelligence and retinal color fundus image to screen and early diagnosis of diabetic retinopathy (DR), age-related macular degeneration (AMD) and glaucoma.

Advantages	Disadvantages
If the system used in the proper way, it will be excellent tool for early detections, disease diagnoses and referral management of the mentioned diseases (DR, AMD, and glaucoma)	Specific disease reporting tool, which will be challenging in patients with different pathologies
Provides immediate and reliable assessment; Fast Reporting tool that generates instant automated report.	Further Future studies required for assessing the impact and efficacy of the system, specially in regards to the report quality in the presence of media opacities such as cataracts.
Assists in Research; AI's ability to read and analyse vast quantities of information is the key to unlocking the full potential of precision medicine & research.	Information Security Risk for Patients Data
CE Marked & 510K clearance	The Need of Regular Maintenance and surveillance of system
Easy to use; The training process required for operators is short (2 hours).	

We recommend an **approval of using this technology** with the following conditions:
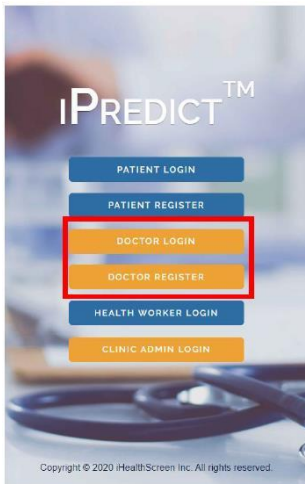
1. Utilizing the system in the three retinal/eye diseases (DR, AMD, and glaucoma) as per the manufacturer guidelines.
2. To provide the required training for operating the system.
3. Ensure compliance with DOH information Security regulations.
4. Establishing a proper quality monitoring process and reporting of any adverse events or unwarranted consequences including safety issues of employees
5. Provision of regular updates and reports about the product to DOH upon request.
6. For Insurance coverage, the applicant may address Health System Financing Division in DOH

Moreover, DOH has the right to stop the product at any stage if deemed necessary, initial conditions and any subsequent conditions must be satisfied before obtaining final approval. Failure to do so will reflect in provoking the approval.

Health Technology image

Doctors can sign in with existing account or register a new account at https://ipredict.health/

Register Account

Sign in

iPredictTM Use Criteria

Question	Answer	Comments
Which case?	Patients with retinal/eye diseases (DR, AMD, and glaucoma) suspect using the retinal color fundus camera of a validated web-based platform.	
Which doctors?	Consultant Ophthalmologist	
Which hospital?	Specialized hospital – Eye Center	
Inclusion criteria	Diabatic Retinopathy	
	Age-Related Macular Degeneration	
	Glaucoma	
Exclusion criteria	Other retinal degenerations and retinal vascular diseases such as diabetic retinopathy or macular edema, prior retinal surgery	