

## Supplementary Data

### Data supplement 1. MEDLINE (Ovid) search strategy

Concept	Search terms (combined by OR)
A. Target condition	<ol style="list-style-type: none"> <li>1. exp RETINA/ or retin*.mp.</li> <li>2. exp EYE DISEASES/ or exp EYE/ or eye*.mp.</li> <li>3. exp BLINDNESS/ or blind*.mp.</li> <li>4. exp Macular Edema/ or macular ?edema.mp.</li> <li>5. exp Vision Disorders/ or (vis* adj3 (loss or impair* or defect* or disorder*)).mp.</li> <li>6. maculopath*.mp.</li> <li>7. exp OPHTHALMOLOGY/ or exp OPHTHALMOSCOPY/ or (fundoscop* or ophthalmo*).mp.</li> <li>8. (fundus adj3 (imag* or photo* or video* or camera*)).mp.</li> </ol>
B. Diagnostic test	<ol style="list-style-type: none"> <li>1. exp smartphone/</li> <li>2. exp CELL PHONE/</li> <li>3. (smartphon* or cellphon* or phon* or mobile* or cell-phon* or smart-phon* or mobilephon* or mobile-phon*).mp.</li> <li>4. exp Artificial Intelligence/</li> <li>5. exp Machine Learning/</li> <li>6. exp Pattern Recognition, Automated/</li> <li>7. exp "Neural Networks (Computer)"/</li> <li>8. artificial intelligen*.mp.</li> <li>9. AI.mp.</li> <li>10. Machine learning.mp.</li> <li>11. Deep learning.mp.</li> </ol>
C. Participant description	<ol style="list-style-type: none"> <li>1. diabet*.mp.</li> <li>2. exp Diabetes Mellitus/</li> <li>3. exp HYPERGLYCEMIA/ or hyperglyc?emi*.mp.</li> </ol>

	4. exp Glucose Intolerance/ or glucose intoleran*.mp. 5. ((high or elevat*) adj3 (blood sugar or blood glucose)).mp.
<b>D. Overall search</b>	(A and B and C) or (exp diabetic retinopathy/ and B)
<b>Limits</b>	limit D to yr="2000 -Current"