

## Supplementary Materials

### Appendix A. Search strategy

Embase Classic+Embase <1947 to 2024 April 13>

|    |                                                                        |        |
|----|------------------------------------------------------------------------|--------|
| 1  | Anterior Capsule*.mp.                                                  | 2061   |
| 2  | Anterior Eye Segment.mp.                                               | 7670   |
| 3  | Anterior Chamber.mp.                                                   | 29385  |
| 4  | Ciliary Body.mp.                                                       | 14787  |
| 5  | Conjunctiv*.mp.                                                        | 97737  |
| 6  | Cornea.mp.                                                             | 153867 |
| 7  | Iris.mp.                                                               | 42120  |
| 8  | (Lens adj2 (ocular or intraocular or intra-ocular or eye or eyes)).mp. | 29464  |
| 9  | Trabecular Meshwork*.mp.                                               | 9001   |
| 10 | Axial Length.mp.                                                       | 11683  |
| 11 | Eye.mp.                                                                | 693127 |
| 12 | eyes.mp.                                                               | 270917 |
| 13 | Eyelid*.mp.                                                            | 71708  |
| 14 | Eyelash*.mp.                                                           | 4827   |
| 15 | Meibomian Gland*.mp.                                                   | 5311   |
| 16 | Lacrimal Apparatus.mp.                                                 | 4449   |
| 17 | Nasolacrimal Duct*.mp.                                                 | 3749   |
| 18 | Pigment Epithelium*.mp.                                                | 41673  |
| 19 | Retinal Pigment Epithelium.mp.                                         | 26427  |
| 20 | Posterior Eye Segment.mp.                                              | 1127   |
| 21 | Vitreous Body.mp.                                                      | 28756  |
| 22 | Retina*.mp.                                                            | 412289 |
| 23 | Blood-Retinal Barrier.mp.                                              | 2828   |
| 24 | Fundus Oculi.mp.                                                       | 1356   |
| 25 | Macula Lutea.mp.                                                       | 15759  |
| 26 | Ocular.mp.                                                             | 225438 |
| 27 | Optic Disk.mp.                                                         | 22951  |
| 28 | Retinal Neuron*.mp.                                                    | 4933   |

29 Sclera.mp. 26498  
 30 Tenon Capsule.mp. 782  
 31 Uvea.mp. 14316  
 32 Choroid.mp. 58289  
 33 Blood-Aqueous Barrier.mp. 1278  
 34 aging marker\*.mp. 516  
 35 age-related marker.mp. 16  
 36 retinal age.mp.32  
 37 ((age or aging or ageing or chronological\* or senescence) adj3 (biologic\* or marker\*))).mp. 20371  
 38 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33  
 1301761  
 39 34 or 35 or 36 or 37 20398  
 40 38 and 39 508  
 41 limit 40 to (human and english language) 351  
 Ovid MEDLINE(R) ALL <1946 to April 13, 2024>

1 Anterior Capsule\*.mp. 1788  
 2 Anterior Eye Segment.mp. 4692  
 3 Anterior Chamber.mp. 24556  
 4 Ciliary Body.mp. 11756  
 5 Conjunctiv\*.mp. 57974  
 6 Cornea.mp. 74985  
 7 Iris.mp. 30817  
 8 (Lens adj2 (ocular or intraocular or intra-ocular or eye or eyes)).mp. 27677  
 9 Trabecular Meshwork\*.mp. 6931  
 10 Axial Length.mp. 9321  
 11 Eye.mp. 438331  
 12 eyes.mp. 195485  
 13 Eyelid\*.mp. 40976  
 14 Eyelash\*.mp. 3011  
 15 Meibomian Gland\*.mp. 3364  
 16 Lacrimal Apparatus.mp. 11460

17 Nasolacrimal Duct\*.mp. 4230  
18 Pigment Epithelium\*.mp. 27395  
19 Retinal Pigment Epithelium.mp. 18929  
20 Posterior Eye Segment.mp. 616  
21 Vitreous Body.mp. 21196  
22 Retina\*.mp. 282584  
23 Blood-Retinal Barrier.mp. 2698  
24 Fundus Oculi.mp. 19545  
25 Macula Lutea.mp. 10861  
26 Ocular.mp. 240800  
27 Optic Disk.mp. 13903  
28 Retinal Neuron\*.mp. 4543  
29 Sclera.mp. 16875  
30 Tenon Capsule.mp. 413  
31 Uvea.mp. 3065  
32 Choroid.mp. 39715  
33 Blood-Aqueous Barrier.mp. 1092  
34 aging marker\*.mp. 373  
35 age-related marker.mp. 11  
36 retinal age.mp.27  
37 ((age or aging or ageing or chronological\* or senescence) adj3 (biologic\* or  
marker\*)).mp. 13729  
38 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17  
or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33  
938549  
39 34 or 35 or 36 or 37 13752  
40 38 and 39 319  
41 limit 40 to (human and english language) 203