

**Supplementary File.** Summary of selected databases and search strategies.

Database	Description
Web of Science	Over 81 million records encompassing topics in life sciences, biomedical sciences, arts, and humanities. Focused on natural and health sciences and technology,[8].
Scopus	Over 77 million records from journals in the health sciences, life sciences, social sciences, and physical sciences. This includes most of the MEDLINE database and some articles from PubMed,[9].
Cochrane	A database of systematic reviews in healthcare,[10].
Dimensions	The largest and newest of the databases which includes scientific journals and studies from many well reputed sources including PubMed, PubMed Central, and Crossref. Contains 153 million records to date,[11].

## Sample Search Strategy

(ophthalmolog\* OR ophthalmolog\* OR ophthamolog\* OR ophthamolog\* OR ocular OR intra-ocular OR intraocular OR retin\* OR macula\* OR fovea OR uvea OR sclera OR cornea\* OR conjunctiv\* OR (eye\* AND iris\*) OR (pupil AND dilat\*) OR “vitreous body” OR “vitreous humo?r” OR “aqueous humo?r” OR vitreal OR “aqueous humor” OR “optical coherence tomography” OR OCT OR “colo?r fundus photograph\*” OR “slit lamp\*” OR “confocal microscop\*” OR “confocal scanning microscop\*” OR “ultrasound biomicroscop\*” OR “ultrasound bio-microscop\*” OR “fundus fluorescein angiograph\*” OR “indocyanine green angiograph\*” OR “scanning laser ophthalmoscop\*” OR “ocular ultrasonograph\*” OR “microperimetry” OR “multifocal visual-evoked potential\*” OR “macular degeneration” OR (eye AND cataract\*) OR glaucoma OR uveitis OR iritis OR choroiditis OR chorioretinitis OR endophthalmitis OR “optic neuropathy” OR “optic atrophy” OR “diabetic macular edema” OR vitrectomy OR phacoemulsification OR paracentesis OR trabeculectomy OR canaloplasty OR iridectomy OR goniotomy OR phacoemulsification OR extracapsular OR (photocoagulation

AND eye\*) OR “selective laser trabeculoplasty” OR “pneumatic retinopexy” OR “scleral buckle” OR canthotomy OR catholysis OR “closure of cyclodialysis cleft” OR “decompression of dacryocele” OR “decompression of orbit” OR “pars plana lensectomy” OR “retrobulbar injection\*” OR “strabismus surgery” OR synechiolysis OR tarsorrhaphy OR “iridology” OR “visual field\*” OR “fundus oculi” OR myopi\* OR “visual disorder\*” OR “vision disorder\*” OR “confocal laser scanning microscop\*”)

AND

(“artificial\* intelligen\*” OR AI OR “deep learning” OR “convolutional neural network\*” OR MTANN OR “artificial neural network\*” OR “machine learning” OR “long short term memory” OR “supervised clustering” OR “supervised learning” OR “unsupervised learning” OR “semi-supervised learning” OR “semi supervised learning” OR backpropagation OR “back-propagation” OR “feed forward” OR “feed-forward” OR “feature learning” OR “decision tree\*” OR “transfer learning” OR “big data” OR “natural language processing” OR “computer vision” OR “image recognition” OR “semantic analys\*” OR “cognitive computing” OR “entity annotation\*” OR “entity extraction\*” OR “machine intelligence” OR “predictive analys\*” OR “k-nearest neighbour” OR “k nearest neighbour” OR “lattice neural network\*” OR “random forest\*” OR “random-forest\*” OR “feature extraction” OR “optic cup segmentation” OR “data mining” OR “computer-aided detection” OR “computer aided detection” OR “deep belief fusion” OR “deep-belief fusion” OR “feature fusion”)