Search strategy

# Pubmed search strategy

Publication date to May 1st, 2020

Search strategy:

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| --- | --- | --- |
| Search number | Query | Results |
| 1 | vitreomacular OR (vitreous AND macular) OR (vitreous AND retin\*) OR VMA OR VMT | 25,824 |
| 2 | "retinal perforations"[Mesh] OR (retinal perforation\*) OR (macular AND hole\*) OR (retin\* AND perforation\*) OR (macular AND break\*) OR pseudohole OR MH OR FTMH | 218,350 |
| 3 | "Retinoschisis"[Mesh] OR retinoschisis OR foveoschisis | 1,586 |
| 4 | "Epiretinal Membrane"[Mesh] OR "epiretinal membrane" OR ERM | 7,187 |
| 5 | "Retinal Detachment"[Mesh] OR "retinal detachment" OR "vitreous detachment" OR RD OR PVD | 109,425 |
| 6 | myopic traction\* OR MTM | 1,833 |
| 7 | #1 OR #2 OR #3 OR #4 OR #5 OR #6 | 347,114 |
| 8 | ILM peeling OR "internal limiting membrane peeling" OR "Vitrectomy"[Mesh] OR vitrectomy OR PPV | 35,636 |
| 9 | fovea-sparing OR (fovea\* AND sparing) OR (fovea\* AND preserv\*) OR parfove\* OR (fove\* AND nonpeeling) OR (fove\* AND non-peeling) | 755 |
| 10 | #8 AND #9 | 77 |
| 11 | "1971/01/01"[Date - Publication] : "2020/05/01"[Date - Publication] | 27,467,415 |
| 12 | #7 AND #10 AND #11 | 66 |

**Search detail:**

(((((((((("vitreomacular"[All Fields] OR ("vitreous"[All Fields] AND "macular"[All Fields])) OR ("vitreous"[All Fields] AND "retin\*"[All Fields])) OR "VMA"[All Fields]) OR "VMT"[All Fields]) OR ((((((("retinal perforations"[MeSH Terms] OR ((((((((("retinaldehyde"[MeSH Terms] OR "retinaldehyde"[All Fields]) OR "retinal"[All Fields]) OR "retina"[MeSH Terms]) OR "retina"[All Fields]) OR "retinally"[All Fields]) OR "retinals"[All Fields]) OR "retinitis"[MeSH Terms]) OR "retinitis"[All Fields]) AND "perforation\*"[All Fields])) OR ("macular"[All Fields] AND "hole\*"[All Fields])) OR ("retin\*"[All Fields] AND "perforation\*"[All Fields])) OR ("macular"[All Fields] AND "break\*"[All Fields])) OR ("pseudohole"[All Fields] OR "pseudoholes"[All Fields])) OR (((("monum hist"[Journal] OR "mhealth"[Journal]) OR "mh"[Journal]) OR "can bull med hist"[Journal]) OR "mh"[All Fields])) OR "FTMH"[All Fields])) OR (("Retinoschisis"[MeSH Terms] OR (("Retinoschisis"[MeSH Terms] OR "Retinoschisis"[All Fields]) OR "retinoschises"[All Fields])) OR "foveoschisis"[All Fields])) OR (("Epiretinal Membrane"[MeSH Terms] OR "Epiretinal Membrane"[All Fields]) OR "ERM"[All Fields])) OR (((("Retinal Detachment"[MeSH Terms] OR "Retinal Detachment"[All Fields]) OR "vitreous detachment"[All Fields]) OR "RD"[All Fields]) OR "PVD"[All Fields])) OR ((((("myopia"[MeSH Terms] OR "myopia"[All Fields]) OR "myopic"[All Fields]) OR "myopics"[All Fields]) AND "traction\*"[All Fields]) OR "MTM"[All Fields])) AND (((((("ILM"[All Fields] AND ((("peeled"[All Fields] OR "peeling"[All Fields]) OR "peelings"[All Fields]) OR "peels"[All Fields])) OR "internal limiting membrane peeling"[All Fields]) OR "Vitrectomy"[MeSH Terms]) OR (("Vitrectomy"[MeSH Terms] OR "Vitrectomy"[All Fields]) OR "vitrectomies"[All Fields])) OR "PPV"[All Fields]) AND ((((("fovea-sparing"[All Fields] OR ("fovea\*"[All Fields] AND ((("spare"[All Fields] OR "spared"[All Fields]) OR "spares"[All Fields]) OR "sparing"[All Fields]))) OR ("fovea\*"[All Fields] AND "preserv\*"[All Fields])) OR "parfove\*"[All Fields]) OR ("fove\*"[All Fields] AND "nonpeeling"[All Fields])) OR ("fove\*"[All Fields] AND "non-peeling"[All Fields])))) AND 1971/1/1:2020/5/1[Date - Publication]

# EMBASE

Publication date to May 1st, 2020

Database: Embase 1971 to May 1st, 2020

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| # | Searches | Results |
| 1 | vitreomacular OR (('vitreous'/exp OR vitreous) AND macular) OR (('vitreous'/exp OR vitreous) AND retin\*) OR 'vma'/exp OR vma OR vmt | 37762 |
| 2 | 'retina macula hole'/exp | 5327 |
| 3 | ('retinal'/exp OR retinal) AND perforation\* OR (macular AND hole\*) OR (retin\* AND perforation\*) OR (macular AND break\*) OR pseudohole OR mh OR ftmh | 47306 |
| 4 | 'retinoschisis'/exp OR retinoschisis OR foveoschisis | 2234 |
| 5 | 'epiretinal membrane'/exp OR 'epiretinal membrane' | 6019 |
| 6 | 'retina detachment'/exp OR 'retina detachment' OR 'retinal detachment'/exp OR 'retinal detachment' OR 'vitreous detachment'/exp OR 'vitreous detachment' OR rd OR pvd | 378246 |
| 7 | myopic AND traction\* OR mtm | 3014 |
| 8 | #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 | 452419 |
| 9 | ilm AND ('peeling'/exp OR peeling) OR 'internal limiting membrane peeling'/exp OR 'internal limiting membrane peeling' OR 'vitrectomy'/exp OR vitrectomy OR ppv | 58813 |
| 10 | 'fovea sparing' OR (fovea\* AND sparing) OR (fovea\* AND preserv\*) OR parfove\* OR (fove\* AND nonpeeling) OR (fove\* AND 'non peeling') | 978 |
| 11 | #9 AND #10 | 86 |
| 12 | #8 AND #11 AND [1-1-1971]/sd NOT [2-5-2020]/sd | 75 |

# 3 Cochrane

Database: Cochrane Central Register of Controlled Trials（CENTRAL）and Cochrane Database of Systematic Reviews to May 1st, 2020

Search strategy:

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| # | Searches | Results |
| 1 | (vitreomacular OR (vitreous AND macular) OR (vitreous AND retin\*) OR VMA OR VMT) | 1429 |
| 2 | MeSH descriptor: [Retinal Perforations] explode all trees | 196 |
| 3 | (retinal perforation\*) OR (macular AND hole\*) OR (retin\* AND perforation\*) OR (macular AND break\*) OR pseudohole OR MH OR FTMH | 17236 |
| 4 | MeSH descriptor: [Retinoschisis] explode all trees | 5 |
| 5 | retinoschisis OR foveoschisis | 21 |
| 6 | MeSH descriptor: [Epiretinal Membrane] explode all trees | 106 |
| 7 | "epiretinal membrane" OR ERM | 427 |
| 8 | MeSH descriptor: [Retinal Detachment] explode all trees | 315 |
| 9 | "retinal detachment" OR "vitreous detachment" OR RD OR PVD | 29078 |
| 10 | myopic traction\* OR MTM | 225 |
| 11 | #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 | 46588 |
| 12 | MeSH descriptor: [Vitrectomy] explode all trees | 487 |
| 13 | vitrectomy OR PPV | 2844 |
| 14 | fovea-sparing OR fovea\* sparing OR fovea\* preserv\* OR parfove\* OR fove\* nonpeeling OR fove\* non-peeling | 67 |
| 15 | #13 AND #14 with Cochrane Library publication date Between Jan 1971 and May 2020 | 19 |

# 4 Web of Science

Database: WOS, MEDLINE, RSCI

Language: Auto

Time range: 1971 to 2020

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| # | Searches | Results |
| 1 | TS=(vitreomacular OR (vitreous AND macular) OR (vitreous AND retin\*) OR VMA OR VMT) | 32,969 |
| 2 | TS=((retinal perforation\*) OR (macular AND hole\*) OR (retin\* AND perforation\*) OR (macular AND break\*) OR pseudohole OR MH OR FTMH) | 35,405 |
| 3 | TS=(retinoschisis OR "epiretinal membrane" OR foveoschisis OR ERM OR "retinal detachment" OR "vitreous detachment" OR RD OR PVD OR (myopic traction\*) OR MTM) | 108,306 |
| 4 | #3 OR #2 OR #1 | 158,058 |
| 5 | TS=((ILM AND peeling) OR "internal limiting membrane peeling" OR vitrectomy OR PPV) | 52,423 |
| 6 | TS=(fovea-sparing OR (fovea\* AND sparing) OR (fovea\* AND preserv\*) OR parfove\* OR (fove\* AND nonpeeling) OR (fove\* AND non-peeling) ) | 1143 |
| 7 | #6 AND #5 | 115 |
| 8 | #7 AND #4 | 97 |

# 5 CNKI

**Search** “fovea-sparing ILM peeling” in Chinese.

Search details:

SU=’保留’ and SU=’中心凹’ + ‘黄斑’ and SU=’内界膜剥除’ +’剥膜’

Time range= from 1971/01/01 to 2020-05-01

Items: 6

# 6 ClinicalTrials.Gov

**Condition or disease:**

vitreomacular OR vitreous macular OR vitreous retina OR VMA OR VMT OR retinal perforation OR macular hole OR macular break OR pseudohole OR MH OR FTMH OR retinoschisis OR foveoschisis OR epiretinal membrane OR ERM OR retinal detachment OR vitreous detachment OR RD OR PVD OR myopic traction OR MTM

**Other items:**

((ILM peeling) OR (internal limiting membrane peeling) OR vitrectomy OR PPV) AND (fovea-sparing OR (foveal sparing) OR (fovea preserve) OR parfoveal OR (foveal peeling) OR (foveal non-peeling))

Items: 13