

The prevalence and risk factors of epiretinal membranes: a systematic review and meta-analysis of population-based studies

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Literature search strategy

Terms

1. prevalence, epidemiology, epidemic*, risk
2. epiretinal membrane*; erm*; ierm*; cellophane macular reflex; preretinal macular fibrosis

Search strategy

PubMed (up to July 11, 2016)

#1	prevalence Fields: Title/Abstract	459388
#2	epidemiology Fields: Title/Abstract	143403
#3	epidemic* Fields: Title/Abstract	80597
#4	risk Fields: Title/Abstract	1507737
#5	#1 OR #2 OR #3 OR #4	1973101
#6	epiretinal membrane* Fields: Title/Abstract	2259
#7	ERM Fields: Title/Abstract	3126
#8	iERM Fields: Title/Abstract	23
#9	cellophane macular reflex Fields: All fields	18
#10	preretinal macular fibrosis Fields: All fields	69
#11	#6 OR #7 OR #8 OR #9 OR #10	4935
#12	#5 AND #11	569

Embase (up to July 11, 2016)

#1	prevalence	609473
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	Fields: ti, ab	
#2	epidemiology Fields: ti, ab	144993
#3	epidemic* Fields: ti, ab	89089
#4	risk Fields: ti, ab	2059117
#5	#1 OR #2 OR #3 OR #4	2622649
#6	epiretinal membrane* Fields: ti, ab	2491
#7	ERM Fields: ti, ab	3555
#8	iERM Fields: ti, ab	22
#9	cellophane macular reflex Fields: All fields	18
#10	preretinal macular fibrosis Fields: All fields	75
#11	#6 OR #7 OR #8 OR #9 OR #10	5570
#12	#5 AND #11	619

Web of Science (All Databases, 1980 to July 11, 2016)

All languages, all document types

#1	TS = prevalence	684438
#2	TS = epidemiology	1440407
#3	TS=epidemic*	100419
#4	TS=risk	2386116
#5	#1 OR #2 OR #3 OR #4	3597103
#6	TS=epiretinal membrane*	3045
#7	TS=ERM	369
#8	TS=iERM	21
#9	TS=cellophane macular reflex	17
#10	TS=preretinal macular fibrosis	67
#11	#6 OR #7 OR #8 OR #9 OR #10	6344
#12	#5 AND #11	956

Table S1. Appraisal criteria for study methodology

Quality Criteria	Maximum score
1. Representing the general population	1
2. Appropriately recruiting the population	1
3. Adequate response rate (>70%)	1
4. Objective documentation of the outcomes	1

Table S2. Quality score of included studies

Study	Representing the general population	Appropriately recruiting the population	Adequate response rate (>70%)	Objective documentation of the outcomes	Total score
BDES	1	1	1	1	4
Beixinjing	1	1	1	1	4
BMES	1	1	1	1	4
Funagata	1	1	0	1	3
HES	1	1	1	1	4
Hisayama	1	1	0	1	3
Jiangning	1	1	1	1	4
LALES	1	1	1	1	4
MESA	1	1	1	1	4
SCES	1	1	1	1	4
SiMES	1	1	1	1	4
SINDI	1	1	1	1	4
VIP	1	1	1	1	4