AppSearch Methods for Virtual Reality and Eye Diseases

Lora Appel et al. Update: August 16, 2024

Search Methods

A comprehensive search strategy was developed using a combination of database-specific subject headings and text words for the main concepts of virtual reality and select eye diseases and auditory phenomenon. Results were limited to human and English. Conference materials were excluded from Embase.

We searched the following databases on August 14, 2023 and August 16, 2024: Ovid MEDLINE; Ovid Embase; Cochrane Database of Systematic Reviews (Ovid); and Cochrane Central Register of Controlled Trials (Ovid). Full search strategies in Appendix I.

The reference lists of included publications were also searched and considered for inclusion.

Appendix I

Searches as run on August 14, 2023

Ovid MEDLINE(R) ALL <1946 to August 11, 2023>

#	Searches	Results	Type
1	exp eye diseases/	638261	Advanced
2	Optic Atrophy/ge	757	Advanced
3	exp Optic Nerve/ab	1994	Advanced
4	Visual Fields/	32529	Advanced
5	exp Vision Tests/	117742	Advanced
6	exp Auditory Perception/	85151	Advanced
7	Sound Localization/	4818	Advanced

8	(eye adj2 disease*).mp.	54429	Advanced
9	(eye adj2 disorder*).mp.	2214	Advanced
10	Albinism.mp.	4426	Advanced
11	(Chediak adj2 higashi syndrome).mp.	1210	Advanced
12	(Congenital adj2 amauros?s).mp.	1569	Advanced
13	dysgenesis neuroepithelialis retinae.mp.	1	Advanced
14	hereditary epithelial dysplasia of retina.mp.	0	Advanced
15	hereditary retinal aplasia.mp.	0	Advanced
16	heredoretinopathia congenitalis.mp.	0	Advanced
17	leber abiotroph*.mp.	0	Advanced
18	(leber* adj2 amauros?s).mp.	1578	Advanced
19	leber congenital tapetoretinal degeneration.mp.	0	Advanced
20	hereditary optic atroph*.mp.	127	Advanced
21	(optic adj2 hypoplasia*).mp.	837	Advanced
22	(retinal adj2 degeneration*).mp.	16737	Advanced
23	(retinal adj2 dysplasia*).mp.	488	Advanced
24	pigmentary retinopathy*.mp.	612	Advanced
25	retinitis pigmentosa.mp.	12474	Advanced
26	tapetoretinal degeneration*.mp.	218	Advanced
27	fundus flavimaculatus.mp.	231	Advanced

28	macular dystrophy with flecks.mp.	2	Advanced
29	stargardt disease.mp.	1072	Advanced
30	cod md syndrome*.mp.	2	Advanced
31	cerebromuscular dystrophy.mp.	12	Advanced
32	cerebroocular dysplasia muscular dystrophy syndrome.mp.	0	Advanced
33	chemke syndrome.mp.	1	Advanced
34	congenital muscular dystrophy dystroglycanopathy.mp.	6	Advanced
35	walker-warburg syndrome*.mp.	471	Advanced
36	fukuyama cmd.mp.	27	Advanced
37	(fukuyama adj3 muscular dystrophy).mp.	410	Advanced
38	fukuyama syndrome.mp.	1	Advanced
39	hard syndrome*.mp.	4	Advanced
40	lgmd2k.mp.	6	Advanced
41	mddga1.mp.	0	Advanced
42	meb syndrome.mp.	0	Advanced
43	muscle-eye-brain syndrome.mp.	3	Advanced
44	muscle eye brain disease*.mp.	190	Advanced
45	muscular dystrophy due to defective glycosylation of dystroglycan 4a.mp.	0	Advanced
46	muscular dystrophy-dystroglycanopathy.mp.	30	Advanced
47	pagon syndrome*.mp.	0	Advanced

48	warburg syndrome.mp.	488	Advanced
49	alpha dystroglycanopathies.mp.	48	Advanced
50	congenital mesodermal dysmorphodystroph*.mp.	0	Advanced
51	gems.mp.	1235	Advanced
52	glaucoma-lens ectopia-microspherophakia-stiffness-shortness syndrome.mp.	1	Advanced
53	(marchesani adj2 syndrome*).mp.	209	Advanced
54	spherophakia brachymorphia syndrome*.mp.	5	Advanced
55	cataract*.mp.	78249	Advanced
56	lens opacity*.mp.	1093	Advanced
57	pseudoaphakia*.mp.	7	Advanced
58	(lens adj2 cloud*).mp.	60	Advanced
59	glaucoma*.mp.	82175	Advanced
60	increased intraocular pressure.mp.	1449	Advanced
61	ocular hypertension.mp.	9884	Advanced
62	optic neuropathy.mp.	11709	Advanced
63	brown* tendon sheath syndrome*.mp.	4	Advanced
64	conjugate gaze spasm*.mp.	0	Advanced
65	convergence excess*.mp.	114	Advanced
66	convergence insufficienc*.mp.	560	Advanced
67	cyclophoria*.mp.	24	Advanced

68	eye motility disorder*.mp.	18	Advanced
69	eye movement disorder*.mp.	452	Advanced
70	internuclear ophthalmoplegia*.mp.	722	Advanced
71	ocular motility disorder*.mp.	4435	Advanced
72	ocular torticollis.mp.	116	Advanced
73	opsoclonus.mp.	1116	Advanced
74	parinaud* syndrome*.mp.	333	Advanced
75	paroxysmal ocular dyskinesia*.mp.	0	Advanced
76	pseudoophthalmoplegia*.mp.	0	Advanced
77	skew deviation*.mp.	327	Advanced
78	smooth pursuit deficienc*.mp.	2	Advanced
79	spasm of conjugate gaze.mp.	0	Advanced
80	tendon sheath syndrome of brown.mp.	5	Advanced
81	fisher syndrome.mp.	1348	Advanced
82	miller fisher.mp.	1343	Advanced
83	(ophthalmoplegia, ataxia and areflexia syndrome).mp.	5	Advanced
84	nystagmus.mp.	19408	Advanced
85	involuntary eye movement*.mp.	164	Advanced
86	Jerky eye movement*.mp.	11	Advanced
87	cranial nerve iii disease*.mp.	0	Advanced

88	oculomotor nerve disease*.mp.	1845	Advanced
89	oculomotor nerve disorder*.mp.	2	Advanced
90	oculomotor nerve pals*.mp.	977	Advanced
91	oculomotor nerve paralys?s.mp.	77	Advanced
92	oculomotor neuropath*.mp.	25	Advanced
93	third cranial nerve disease*.mp.	0	Advanced
94	third nerve pals*.mp.	815	Advanced
95	third nerve paralysis.mp.	39	Advanced
96	ophthalmoplegia*.mp.	12334	Advanced
97	oculomotor paralysis.mp.	1024	Advanced
98	ophthalmopares?s.mp.	552	Advanced
99	dancing eyes.mp.	41	Advanced
100	myoclonic encephalopathy*.mp.	270	Advanced
101	kinsbourne syndrome.mp.	21	Advanced
102	opsoclonus myoclonus.mp.	778	Advanced
103	strabismus.mp.	20277	Advanced
104	dissociated horizontal deviation*.mp.	27	Advanced
105	dissociated vertical deviation*.mp.	305	Advanced
106	heterophoria*.mp.	554	Advanced
107	heterotropia*.mp.	136	Advanced

108	hypertropia*.mp.	519	Advanced
109	phoria*.mp.	611	Advanced
110	squint*.mp.	2041	Advanced
111	crossed eye*.mp.	51	Advanced
112	tolosa hunt syndrome*.mp.	579	Advanced
113	Ametropia*.mp.	1080	Advanced
114	refractive disorder*.mp.	85	Advanced
115	refractive error*.mp.	16494	Advanced
116	aniseikonia.mp.	559	Advanced
117	anisometropia.mp.	2231	Advanced
118	astigmatism*.mp.	14185	Advanced
119	corneal wavefront aberration*.mp.	989	Advanced
120	farsighted*.mp.	141	Advanced
121	longsighted*.mp.	3	Advanced
122	hypermetropia*.mp.	739	Advanced
123	hyperopia*.mp.	5457	Advanced
124	myopia*.mp.	28444	Advanced
125	nearsighted*.mp.	168	Advanced
126	shortsighted*.mp.	151	Advanced
127	presbyopia*.mp.	2625	Advanced

128	(retinal adj2 disease*).mp.	31618	Advanced
129	(cone adj2 dystroph*).mp.	1661	Advanced
130	diabetic retinopath*.mp.	40677	Advanced
131	hypertensive retinopath*.mp.	897	Advanced
132	diabetic eye disease*.mp.	538	Advanced
133	diabetic macular edema.mp.	4752	Advanced
134	blindness.mp.	48522	Advanced
135	hemeralopia*.mp.	139	Advanced
136	macropsia*.mp.	57	Advanced
137	metamorphopsia*.mp.	979	Advanced
138	micropsia*.mp.	109	Advanced
139	vision disabilit*.mp.	77	Advanced
140	vision disorder*.mp.	31032	Advanced
141	vision impairment*.mp.	2905	Advanced
142	visual disorder*.mp.	1084	Advanced
143	visual impairment*.mp.	15200	Advanced
144	visual disabilit*.mp.	1062	Advanced
145	amblyopia*.mp.	10382	Advanced
146	lazy eye*.mp.	66	Advanced
147	amauros?s.mp.	3525	Advanced

148	sudden visual loss*.mp.	289	Advanced
149	achromatopsia*.mp.	664	Advanced
150	colo?r vision defect*.mp.	4386	Advanced
151	colo?r vision deficienc*.mp.	534	Advanced
152	colo?r vision impairment*.mp.	89	Advanced
153	colo?r perception deficienc*.mp.	3	Advanced
154	deutan defect.mp.	7	Advanced
155	monochromatopsia.mp.	0	Advanced
156	protan defect.mp.	7	Advanced
157	tritan defect.mp.	22	Advanced
158	diplopia*.mp.	12796	Advanced
159	double vision.mp.	1396	Advanced
160	polyopsia*.mp.	3	Advanced
161	nyctalopia.mp.	439	Advanced
162	light sensitivit*.mp.	2111	Advanced
163	photophobia*.mp.	4224	Advanced
164	scotoma*.mp.	5570	Advanced
165	retinocochleocerebral vasculopath*.mp.	16	Advanced
166	susac* syndrome.mp.	474	Advanced
167	diminished vision.mp.	150	Advanced

168	reduced vision.mp.	883	Advanced
169	subnormal vision.mp.	97	Advanced
170	sub-normal vision.mp.	9	Advanced
171	low vision.mp.	3451	Advanced
172	macular degeneration*.mp.	31253	Advanced
173	maculopath*.mp.	5645	Advanced
174	macular dystroph*.mp.	1840	Advanced
175	macular disorder*.mp.	182	Advanced
176	retinal degeneration*.mp.	15800	Advanced
177	retinal degenerative disease*.mp.	1143	Advanced
178	visual field*.mp.	52013	Advanced
179	vision test*.mp.	12007	Advanced
180	colo?r perception test*.mp.	2609	Advanced
181	ocular refraction*.mp.	242	Advanced
182	vision screening.mp.	3102	Advanced
183	visual acuit*.mp.	121036	Advanced
184	visual contrast sensitivity*.mp.	231	Advanced
185	emmetropia*.mp.	1905	Advanced
186	automated perimetry exam*.mp.	9	Advanced
187	campimetr*.mp.	313	Advanced

188	perimetr*.mp.	8234	Advanced
189	tangent screen exam*.mp.	13	Advanced
190	auditory perception.mp.	33112	Advanced
191	auditory processing.mp.	5136	Advanced
192	(auditory adj2 localization*).mp.	474	Advanced
193	(sound adj2 localization*).mp.	5866	Advanced
194	spatial hearing.mp.	527	Advanced
195	or/1-194	882861	Advanced
196	Virtual Reality/	5607	Advanced
197	(virtual adj3 realit*).mp.	18765	Advanced
198	(augmented adj3 realit*).mp.	4774	Advanced
199	VRET.mp.	136	Advanced
200	iVR.mp.	1929	Advanced
201	iVRs.mp.	210	Advanced
202	iVE.mp.	1881	Advanced
203	iVEs.mp.	180	Advanced
204	(immers* adj2 environment*).mp.	793	Advanced
205	samsung gear.mp.	40	Advanced
206	oculus rift.mp.	126	Advanced
207	HCD vive.mp.	0	Advanced

208	hololens.mp.	342	Advanced
209	gear VR.mp.	16	Advanced
210	head-mount*.mp.	2577	Advanced
211	(head adj3 gear*).mp.	97	Advanced
212	HMD.mp.	1370	Advanced
213	Gen2-VR.mp.	1	Advanced
214	(google adj2 daydream).mp.	4	Advanced
215	(google adj2 cardboard).mp.	24	Advanced
216	PlayStation.mp.	89	Advanced
217	(ReTrak adj2 Utopia).mp.	0	Advanced
218	NOON VR.mp.	0	Advanced
219	Freefly VR.mp.	0	Advanced
220	Homido.mp.	0	Advanced
221	iWear.mp.	0	Advanced
222	(mixed adj2 realit*).mp.	953	Advanced
223	(simulat* adj2 environment*).mp.	5866	Advanced
224	(virtual adj2 environment*).mp.	6199	Advanced
225	Video Games/	7236	Advanced
226	(computer adj2 game*).mp.	1779	Advanced
227	(video adj2 game*).mp.	9697	Advanced

228	gaming.mp.	5541	Advanced
229	user-computer interface/	39425	Advanced
230	(user adj2 interface*).mp.	47083	Advanced
231	(virtual adj2 interface*).mp.	194	Advanced
232	Oculus Quest.mp.	34	Advanced
233	Meta Quest.mp.	9	Advanced
234	Metaverse.mp.	313	Advanced
235	(simulate* adj2 realit*).mp.	108	Advanced
236	(tethered adj2 headset*).mp.	1	Advanced
237	Serious game.mp.	757	Advanced
238	or/196-237	90536	Advanced
239	195 and 238	2875	Advanced
240	animals/ not (animals/ and humans/)	5111492	Advanced
241	239 not 240	2808	Advanced
242	limit 241 to english language	2714	Advanced
243	remove duplicates from 242	2710	Advanced

Embase <1974 to 2023 August 11>

#	Searches	Results	Type
1	exp eye disease/	1096631	Advanced
2	exp hereditary optic atrophy/	5029	Advanced

3	visual field/	38202	Advanced
4	exp vision test/	43705	Advanced
5	exp hearing/	68535	Advanced
6	sound detection/	11589	Advanced
7	(eye adj2 disease*).mp.	65024	Advanced
8	(eye adj2 disorder*).mp.	8536	Advanced
9	Albinism.mp.	6862	Advanced
10	(Chediak adj2 higashi syndrome).mp.	1745	Advanced
11	(Congenital adj2 amauros?s).mp.	2804	Advanced
12	dysgenesis neuroepithelialis retinae.mp.	0	Advanced
13	hereditary epithelial dysplasia of retina.mp.	0	Advanced
14	hereditary retinal aplasia.mp.	0	Advanced
15	heredoretinopathia congenitalis.mp.	0	Advanced
16	leber abiotroph*.mp.	0	Advanced
17	(leber* adj2 amauros?s).mp.	2812	Advanced
18	leber congenital tapetoretinal degeneration.mp.	0	Advanced
19	hereditary optic atroph*.mp.	1052	Advanced
20	(optic adj2 hypoplasia*).mp.	1675	Advanced
21	(retinal adj2 degeneration*).mp.	14352	Advanced
22	(retinal adj2 dysplasia*).mp.	433	Advanced

23	pigmentary retinopathy*.mp.	830	Advanced
24	retinitis pigmentosa.mp.	16282	Advanced
25	tapetoretinal degeneration*.mp.	608	Advanced
26	fundus flavimaculatus.mp.	274	Advanced
27	macular dystrophy with flecks.mp.	2	Advanced
28	stargardt disease.mp.	2380	Advanced
29	cod md syndrome*.mp.	3	Advanced
30	cerebromuscular dystrophy.mp.	14	Advanced
31	cerebroocular dysplasia muscular dystrophy syndrome.mp.	0	Advanced
32	chemke syndrome.mp.	1	Advanced
33	congenital muscular dystrophy dystroglycanopathy.mp.	13	Advanced
34	walker-warburg syndrome*.mp.	876	Advanced
35	fukuyama cmd.mp.	42	Advanced
36	(fukuyama adj3 muscular dystrophy).mp.	700	Advanced
37	fukuyama syndrome.mp.	2	Advanced
38	hard syndrome*.mp.	5	Advanced
39	lgmd2k.mp.	10	Advanced
40	mddga1.mp.	2	Advanced
41	meb syndrome.mp.	0	Advanced
42	muscle-eye-brain syndrome.mp.	3	Advanced

43	muscle eye brain disease*.mp.	399	Advanced
44	muscular dystrophy due to defective glycosylation of dystroglycan 4a.mp.	0	Advanced
45	muscular dystrophy-dystroglycanopathy.mp.	55	Advanced
46	pagon syndrome*.mp.	0	Advanced
47	warburg syndrome.mp.	885	Advanced
48	alpha dystroglycanopathies.mp.	91	Advanced
49	congenital mesodermal dysmorphodystroph*.mp.	0	Advanced
50	gems.mp.	1866	Advanced
51	glaucoma-lens ectopia-microspherophakia-stiffness-shortness syndrome.mp.	1	Advanced
52	(marchesani adj2 syndrome*).mp.	312	Advanced
53	spherophakia brachymorphia syndrome*.mp.	2	Advanced
54	cataract*.mp.	109335	Advanced
55	lens opacity*.mp.	1389	Advanced
56	pseudoaphakia*.mp.	10	Advanced
57	(lens adj2 cloud*).mp.	84	Advanced
58	glaucoma*.mp.	109013	Advanced
59	increased intraocular pressure.mp.	1734	Advanced
60	ocular hypertension.mp.	7846	Advanced
61	optic neuropathy.mp.	18337	Advanced
62	brown* tendon sheath syndrome*.mp.	3	Advanced

63	conjugate gaze spasm*.mp.	0	Advanced
64	convergence excess*.mp.	121	Advanced
65	convergence insufficienc*.mp.	680	Advanced
66	cyclophoria*.mp.	23	Advanced
67	eye motility disorder*.mp.	24	Advanced
68	eye movement disorder*.mp.	6176	Advanced
69	internuclear ophthalmoplegia*.mp.	1386	Advanced
70	ocular motility disorder*.mp.	512	Advanced
71	ocular torticollis.mp.	94	Advanced
72	opsoclonus.mp.	2032	Advanced
73	parinaud* syndrome*.mp.	469	Advanced
74	paroxysmal ocular dyskinesia*.mp.	0	Advanced
75	pseudoophthalmoplegia*.mp.	1	Advanced
76	skew deviation*.mp.	507	Advanced
77	smooth pursuit deficienc*.mp.	2	Advanced
78	spasm of conjugate gaze.mp.	1	Advanced
79	tendon sheath syndrome of brown.mp.	4	Advanced
80	fisher syndrome.mp.	1773	Advanced
81	miller fisher.mp.	1638	Advanced
82	(ophthalmoplegia, ataxia and areflexia syndrome).mp.	5	Advanced

83	nystagmus.mp.	30521	Advanced
84	involuntary eye movement*.mp.	193	Advanced
85	Jerky eye movement*.mp.	28	Advanced
86	cranial nerve iii disease*.mp.	0	Advanced
87	oculomotor nerve disease*.mp.	1313	Advanced
88	oculomotor nerve disorder*.mp.	3	Advanced
89	oculomotor nerve pals*.mp.	1291	Advanced
90	oculomotor nerve paralys?s.mp.	95	Advanced
91	oculomotor neuropath*.mp.	28	Advanced
92	third cranial nerve disease*.mp.	0	Advanced
93	third nerve pals*.mp.	1072	Advanced
94	third nerve paralysis.mp.	39	Advanced
95	ophthalmoplegia*.mp.	18915	Advanced
96	oculomotor paralysis.mp.	210	Advanced
97	ophthalmopares?s.mp.	905	Advanced
98	dancing eyes.mp.	60	Advanced
99	myoclonic encephalopathy*.mp.	410	Advanced
100	kinsbourne syndrome.mp.	58	Advanced
101	opsoclonus myoclonus.mp.	1375	Advanced
102	strabismus.mp.	31851	Advanced

103	dissociated horizontal deviation*.mp.	36	Advanced
104	dissociated vertical deviation*.mp.	373	Advanced
105	heterophoria*.mp.	520	Advanced
106	heterotropia*.mp.	151	Advanced
107	hypertropia*.mp.	639	Advanced
108	phoria*.mp.	659	Advanced
109	squint*.mp.	2158	Advanced
110	crossed eye*.mp.	40	Advanced
111	tolosa hunt syndrome*.mp.	983	Advanced
112	Ametropia*.mp.	1484	Advanced
113	refractive disorder*.mp.	107	Advanced
114	refractive error*.mp.	14732	Advanced
115	aniseikonia.mp.	556	Advanced
116	anisometropia.mp.	3917	Advanced
117	astigmatism*.mp.	19393	Advanced
118	corneal wavefront aberration*.mp.	677	Advanced
119	farsighted*.mp.	170	Advanced
120	longsighted*.mp.	9	Advanced
121	hypermetropia*.mp.	7952	Advanced
122	hyperopia*.mp.	4394	Advanced

123	myopia*.mp.	37590	Advanced
124	nearsighted*.mp.	185	Advanced
125	shortsighted*.mp.	166	Advanced
126	presbyopia*.mp.	3471	Advanced
127	(retinal adj2 disease*).mp.	15371	Advanced
128	(cone adj2 dystroph*).mp.	2594	Advanced
129	diabetic retinopath*.mp.	61957	Advanced
130	hypertensive retinopath*.mp.	1164	Advanced
131	diabetic eye disease*.mp.	1012	Advanced
132	diabetic macular edema.mp.	10166	Advanced
133	blindness.mp.	72791	Advanced
134	hemeralopia*.mp.	88	Advanced
135	macropsia*.mp.	122	Advanced
136	metamorphopsia*.mp.	1685	Advanced
137	micropsia*.mp.	200	Advanced
138	vision disabilit*.mp.	97	Advanced
139	vision disorder*.mp.	1587	Advanced
140	vision impairment*.mp.	3878	Advanced
141	visual disorder*.mp.	34387	Advanced
142	visual impairment*.mp.	71592	Advanced

143	visual disabilit*.mp.	1392	Advanced
144	amblyopia*.mp.	13511	Advanced
145	lazy eye*.mp.	95	Advanced
146	amauros?s.mp.	5204	Advanced
147	sudden visual loss*.mp.	381	Advanced
148	achromatopsia*.mp.	920	Advanced
149	colo?r vision defect*.mp.	4063	Advanced
150	colo?r vision deficienc*.mp.	702	Advanced
151	colo?r vision impairment*.mp.	133	Advanced
152	colo?r perception deficienc*.mp.	3	Advanced
153	deutan defect.mp.	10	Advanced
154	monochromatopsia.mp.	1	Advanced
155	protan defect.mp.	15	Advanced
156	tritan defect.mp.	33	Advanced
157	diplopia*.mp.	31757	Advanced
158	double vision.mp.	2262	Advanced
159	polyopsia*.mp.	3	Advanced
160	nyctalopia.mp.	571	Advanced
161	light sensitivit*.mp.	2640	Advanced
162	photophobia*.mp.	15061	Advanced

163	scotoma*.mp.	8691	Advanced
164	retinocochleocerebral vasculopath*.mp.	21	Advanced
165	susac* syndrome.mp.	834	Advanced
166	diminished vision.mp.	206	Advanced
167	reduced vision.mp.	1112	Advanced
168	subnormal vision.mp.	88	Advanced
169	sub-normal vision.mp.	7	Advanced
170	low vision.mp.	8283	Advanced
171	macular degeneration*.mp.	41832	Advanced
172	maculopath*.mp.	11635	Advanced
173	macular dystroph*.mp.	2309	Advanced
174	macular disorder*.mp.	228	Advanced
175	retinal degeneration*.mp.	12875	Advanced
176	retinal degenerative disease*.mp.	1547	Advanced
177	visual field*.mp.	63957	Advanced
178	vision test*.mp.	12352	Advanced
179	colo?r perception test*.mp.	41	Advanced
180	ocular refraction*.mp.	263	Advanced
181	vision screening.mp.	1799	Advanced
182	visual acuit*.mp.	172087	Advanced

183	visual contrast sensitivity*.mp.	295	Advanced
184	emmetropia*.mp.	2944	Advanced
185	automated perimetry exam*.mp.	9	Advanced
186	campimetr*.mp.	379	Advanced
187	perimetr*.mp.	18089	Advanced
188	tangent screen exam*.mp.	12	Advanced
189	auditory perception.mp.	3073	Advanced
190	auditory processing.mp.	6601	Advanced
191	(auditory adj2 localization*).mp.	525	Advanced
192	(sound adj2 localization*).mp.	2769	Advanced
193	spatial hearing.mp.	620	Advanced
194	or/1-193	1291841	Advanced
195	virtual reality/	26318	Advanced
196	augmented reality/	2278	Advanced
197	(virtual adj3 realit*).mp.	33269	Advanced
198	(augmented adj3 realit*).mp.	5671	Advanced
199	VRET.mp.	169	Advanced
200	iVR.mp.	2748	Advanced
201	iVRs.mp.	390	Advanced
202	iVE.mp.	3225	Advanced

203	iVEs.mp.	413	Advanced
204	(immers* adj2 environment*).mp.	905	Advanced
205	samsung gear.mp.	72	Advanced
206	oculus rift.mp.	273	Advanced
207	HCD vive.mp.	0	Advanced
208	hololens.mp.	543	Advanced
209	gear VR.mp.	57	Advanced
210	head-mount*.mp.	3867	Advanced
211	(head adj3 gear*).mp.	124	Advanced
212	HMD.mp.	1733	Advanced
213	Gen2-VR.mp.	1	Advanced
214	(google adj2 daydream).mp.	8	Advanced
215	(google adj2 cardboard).mp.	43	Advanced
216	PlayStation.mp.	141	Advanced
217	(ReTrak adj2 Utopia).mp.	0	Advanced
218	NOON VR.mp.	0	Advanced
219	Freefly VR.mp.	0	Advanced
220	Homido.mp.	0	Advanced
221	iWear.mp.	5	Advanced
222	(mixed adj2 realit*).mp.	1074	Advanced

223	(simulat* adj2 environment*).mp.	6869	Advanced
224	(virtual adj2 environment*).mp.	8432	Advanced
225	exp video game/	6390	Advanced
226	(computer adj2 game*).mp.	2430	Advanced
227	(video adj2 game*).mp.	9519	Advanced
228	gaming.mp.	6856	Advanced
229	computer interface/	36207	Advanced
230	(user adj2 interface*).mp.	12794	Advanced
231	(virtual adj2 interface*).mp.	234	Advanced
232	Oculus Quest.mp.	70	Advanced
233	Meta Quest.mp.	14	Advanced
234	Metaverse.mp.	258	Advanced
235	(simulate* adj2 realit*).mp.	141	Advanced
236	(tethered adj2 headset*).mp.	2	Advanced
237	Serious game.mp.	758	Advanced
238	or/195-237	110501	Advanced
239	194 and 238	4422	Advanced
240	(exp animals/ or exp animal experimentation/ or nonhuman/) not ((exp animals/ or exp animal experimentation/ or nonhuman/) and exp human/)	7233074	Advanced
241	239 not 240	4267	Advanced
242	limit 241 to english language	4121	Advanced

243	limit 242 to (conference abstract or conference paper or "conference review" or conference proceeding)	827	Advanced
244	242 not 243	3294	Advanced
245	remove duplicates from 244	3221	Advanced

EBM Reviews - Cochrane Central Register of Controlled Trials

#	Searches	Results	Type
1	exp eye diseases/	25051	Advanced
2	Optic Atrophy/ge	0	Advanced
3	exp Optic Nerve/ab	0	Advanced
4	Visual Fields/	1023	Advanced
5	exp Vision Tests/	7632	Advanced
6	exp Auditory Perception/	2280	Advanced
7	Sound Localization/	104	Advanced
8	(eye adj2 disease*).mp.	4453	Advanced
9	(eye adj2 disorder*).mp.	526	Advanced
10	Albinism.mp.	24	Advanced
11	(Chediak adj2 higashi syndrome).mp.	2	Advanced
12	(Congenital adj2 amauros?s).mp.	31	Advanced
13	dysgenesis neuroepithelialis retinae.mp.	0	Advanced
14	hereditary epithelial dysplasia of retina.mp.	0	Advanced

15	hereditary retinal aplasia.mp.	0	Advanced
16	heredoretinopathia congenitalis.mp.	0	Advanced
17	leber abiotroph*.mp.	0	Advanced
18	(leber* adj2 amauros?s).mp.	30	Advanced
19	leber congenital tapetoretinal degeneration.mp.	0	Advanced
20	hereditary optic atroph*.mp.	2	Advanced
21	(optic adj2 hypoplasia*).mp.	9	Advanced
22	(retinal adj2 degeneration*).mp.	145	Advanced
23	(retinal adj2 dysplasia*).mp.	0	Advanced
24	pigmentary retinopathy*.mp.	3	Advanced
25	retinitis pigmentosa.mp.	307	Advanced
26	tapetoretinal degeneration*.mp.	0	Advanced
27	fundus flavimaculatus.mp.	5	Advanced
28	macular dystrophy with flecks.mp.	0	Advanced
29	stargardt disease.mp.	54	Advanced
30	cod md syndrome*.mp.	0	Advanced
31	cerebromuscular dystrophy.mp.	0	Advanced
32	cerebroocular dysplasia muscular dystrophy syndrome.mp.	0	Advanced
33	chemke syndrome.mp.	0	Advanced
34	congenital muscular dystrophy dystroglycanopathy.mp.	0	Advanced

35	walker-warburg syndrome*.mp.	0	Advanced
36	fukuyama cmd.mp.	0	Advanced
37	(fukuyama adj3 muscular dystrophy).mp.	7	Advanced
38	fukuyama syndrome.mp.	0	Advanced
39	hard syndrome*.mp.	0	Advanced
40	lgmd2k.mp.	0	Advanced
41	mddga1.mp.	0	Advanced
42	meb syndrome.mp.	0	Advanced
43	muscle-eye-brain syndrome.mp.	0	Advanced
44	muscle eye brain disease*.mp.	1	Advanced
45	muscular dystrophy due to defective glycosylation of dystroglycan 4a.mp.	0	Advanced
46	muscular dystrophy-dystroglycanopathy.mp.	0	Advanced
47	pagon syndrome*.mp.	0	Advanced
48	warburg syndrome.mp.	0	Advanced
49	alpha dystroglycanopathies.mp.	0	Advanced
50	congenital mesodermal dysmorphodystroph*.mp.	0	Advanced
51	gems.mp.	93	Advanced
52	glaucoma-lens ectopia-microspherophakia-stiffness-shortness syndrome.mp.	0	Advanced
53	(marchesani adj2 syndrome*).mp.	0	Advanced
54	spherophakia brachymorphia syndrome*.mp.	0	Advanced

55	cataract*.mp.	8936	Advanced
56	lens opacity*.mp.	121	Advanced
57	pseudoaphakia*.mp.	0	Advanced
58	(lens adj2 cloud*).mp.	10	Advanced
59	glaucoma*.mp.	8786	Advanced
60	increased intraocular pressure.mp.	158	Advanced
61	ocular hypertension.mp.	2676	Advanced
62	optic neuropathy.mp.	507	Advanced
63	brown* tendon sheath syndrome*.mp.	0	Advanced
64	conjugate gaze spasm*.mp.	0	Advanced
65	convergence excess*.mp.	8	Advanced
66	convergence insufficienc*.mp.	120	Advanced
67	cyclophoria*.mp.	1	Advanced
68	eye motility disorder*.mp.	0	Advanced
69	eye movement disorder*.mp.	50	Advanced
70	internuclear ophthalmoplegia*.mp.	7	Advanced
71	ocular motility disorder*.mp.	110	Advanced
72	ocular torticollis.mp.	1	Advanced
73	opsoclonus.mp.	14	Advanced
74	parinaud* syndrome*.mp.	1	Advanced

75	paroxysmal ocular dyskinesia*.mp.	0	Advanced
76	pseudoophthalmoplegia*.mp.	0	Advanced
77	skew deviation*.mp.	4	Advanced
78	smooth pursuit deficienc*.mp.	0	Advanced
79	spasm of conjugate gaze.mp.	0	Advanced
80	tendon sheath syndrome of brown.mp.	0	Advanced
81	fisher syndrome.mp.	5	Advanced
82	miller fisher.mp.	3	Advanced
83	(ophthalmoplegia, ataxia and areflexia syndrome).mp. [mp=title, original title, abstract, floating sub-heading word, mesh headings, heading words, keyword]	0	Advanced
84	nystagmus.mp.	660	Advanced
85	involuntary eye movement*.mp.	7	Advanced
86	Jerky eye movement*.mp.	0	Advanced
87	cranial nerve iii disease*.mp.	0	Advanced
88	oculomotor nerve disease*.mp.	11	Advanced
89	oculomotor nerve disorder*.mp.	0	Advanced
90	oculomotor nerve pals*.mp.	9	Advanced
91	oculomotor nerve paralys?s.mp.	0	Advanced
92	oculomotor neuropath*.mp.	0	Advanced
93	third cranial nerve disease*.mp.	0	Advanced
94	third nerve pals*.mp.	2	Advanced

95	third nerve paralysis.mp.	0	Advanced
96	ophthalmoplegia*.mp.	87	Advanced
97	oculomotor paralysis.mp.	5	Advanced
98	ophthalmopares?s.mp.	6	Advanced
99	dancing eyes.mp.	0	Advanced
100	myoclonic encephalopathy*.mp.	2	Advanced
101	kinsbourne syndrome.mp.	0	Advanced
102	opsoclonus myoclonus.mp.	13	Advanced
103	strabismus.mp.	1370	Advanced
104	dissociated horizontal deviation*.mp.	0	Advanced
105	dissociated vertical deviation*.mp.	16	Advanced
106	heterophoria*.mp.	61	Advanced
107	heterotropia*.mp.	14	Advanced
108	hypertropia*.mp.	15	Advanced
109	phoria*.mp.	123	Advanced
110	squint*.mp.	143	Advanced
111	crossed eye*.mp.	1	Advanced
112	tolosa hunt syndrome*.mp.	1	Advanced
113	Ametropia*.mp.	126	Advanced
114	refractive disorder*.mp.	4	Advanced

115	refractive error*.mp.	1789	Advanced
116	aniseikonia.mp.	21	Advanced
117	anisometropia.mp.	334	Advanced
118	astigmatism*.mp.	2327	Advanced
119	corneal wavefront aberration*.mp.	141	Advanced
120	farsighted*.mp.	11	Advanced
121	longsighted*.mp.	0	Advanced
122	hypermetropia*.mp.	144	Advanced
123	hyperopia*.mp.	308	Advanced
124	myopia*.mp.	3336	Advanced
125	nearsighted*.mp.	47	Advanced
126	shortsighted*.mp.	11	Advanced
127	presbyopia*.mp.	396	Advanced
128	(retinal adj2 disease*).mp.	957	Advanced
129	(cone adj2 dystroph*).mp.	24	Advanced
130	diabetic retinopath*.mp.	4442	Advanced
131	hypertensive retinopath*.mp.	27	Advanced
132	diabetic eye disease*.mp.	92	Advanced
133	diabetic macular edema.mp.	1783	Advanced
134	blindness.mp.	2608	Advanced

135	hemeralopia*.mp.	0	Advanced
136	macropsia*.mp.	0	Advanced
137	metamorphopsia*.mp.	99	Advanced
138	micropsia*.mp.	3	Advanced
139	vision disabilit*.mp.	2	Advanced
140	vision disorder*.mp.	908	Advanced
141	vision impairment*.mp.	255	Advanced
142	visual disorder*.mp.	667	Advanced
143	visual impairment*.mp.	2034	Advanced
144	visual disabilit*.mp.	66	Advanced
145	amblyopia*.mp.	822	Advanced
146	lazy eye*.mp.	26	Advanced
147	amauros?s.mp.	90	Advanced
148	sudden visual loss*.mp.	2	Advanced
149	achromatopsia*.mp.	14	Advanced
150	colo?r vision defect*.mp.	90	Advanced
151	colo?r vision deficienc*.mp.	22	Advanced
152	colo?r vision impairment*.mp.	7	Advanced
153	colo?r perception deficienc*.mp.	0	Advanced
154	deutan defect.mp.	1	Advanced

155	monochromatopsia.mp.	0	Advanced
156	protan defect.mp.	2	Advanced
157	tritan defect.mp.	1	Advanced
158	diplopia*.mp.	687	Advanced
159	double vision.mp.	90	Advanced
160	polyopsia*.mp.	0	Advanced
161	nyctalopia.mp.	4	Advanced
162	light sensitivit*.mp.	161	Advanced
163	photophobia*.mp.	1201	Advanced
164	scotoma*.mp.	273	Advanced
165	retinocochleocerebral vasculopath*.mp.	0	Advanced
166	susac* syndrome.mp.	1	Advanced
167	diminished vision.mp.	13	Advanced
168	reduced vision.mp.	73	Advanced
169	subnormal vision.mp.	3	Advanced
170	sub-normal vision.mp.	0	Advanced
171	low vision.mp.	505	Advanced
172	macular degeneration*.mp.	3756	Advanced
173	maculopath*.mp.	436	Advanced
174	macular dystroph*.mp.	33	Advanced

175	macular disorder*.mp.	9	Advanced
176	retinal degeneration*.mp.	106	Advanced
177	retinal degenerative disease*.mp.	17	Advanced
178	visual field*.mp.	3679	Advanced
179	vision test*.mp.	658	Advanced
180	colo?r perception test*.mp.	52	Advanced
181	ocular refraction*.mp.	12	Advanced
182	vision screening.mp.	238	Advanced
183	visual acuit*.mp.	16976	Advanced
184	visual contrast sensitivity*.mp.	29	Advanced
185	emmetropia*.mp.	167	Advanced
186	automated perimetry exam*.mp.	0	Advanced
187	campimetr*.mp.	17	Advanced
188	perimetr*.mp.	1101	Advanced
189	tangent screen exam*.mp.	1	Advanced
190	auditory perception.mp.	917	Advanced
191	auditory processing.mp.	284	Advanced
192	(auditory adj2 localization*).mp.	14	Advanced
193	(sound adj2 localization*).mp.	132	Advanced
194	spatial hearing.mp.	28	Advanced

195	or/1-194	55231	Advanced
196	Virtual Reality/	982	Advanced
197	(virtual adj3 realit*).mp.	6017	Advanced
198	(augmented adj3 realit*).mp.	472	Advanced
199	VRET.mp.	98	Advanced
200	iVR.mp.	668	Advanced
201	iVRs.mp.	189	Advanced
202	iVE.mp.	148	Advanced
203	iVEs.mp.	27	Advanced
204	(immers* adj2 environment*).mp.	138	Advanced
205	samsung gear.mp.	15	Advanced
206	oculus rift.mp.	62	Advanced
207	HCD vive.mp.	0	Advanced
208	hololens.mp.	46	Advanced
209	gear VR.mp.	11	Advanced
210	head-mount*.mp.	469	Advanced
211	(head adj3 gear*).mp.	19	Advanced
212	HMD.mp.	215	Advanced
213	Gen2-VR.mp.	0	Advanced
214	(google adj2 daydream).mp.	2	Advanced

215	(google adj2 cardboard).mp.	13	Advanced
216	PlayStation.mp.	32	Advanced
217	(ReTrak adj2 Utopia).mp.	0	Advanced
218	NOON VR.mp.	1	Advanced
219	Freefly VR.mp.	0	Advanced
220	Homido.mp.	0	Advanced
221	iWear.mp.	0	Advanced
222	(mixed adj2 realit*).mp.	121	Advanced
223	(simulat* adj2 environment*).mp.	422	Advanced
224	(virtual adj2 environment*).mp.	911	Advanced
225	Video Games/	1000	Advanced
226	(computer adj2 game*).mp.	665	Advanced
227	(video adj2 game*).mp.	2356	Advanced
228	gaming.mp.	979	Advanced
229	user-computer interface/	1422	Advanced
230	(user adj2 interface*).mp.	1742	Advanced
231	(virtual adj2 interface*).mp.	21	Advanced
232	Oculus Quest.mp.	36	Advanced
233	Meta Quest.mp.	7	Advanced
234	Metaverse.mp.	10	Advanced

235	(simulate* adj2 realit*).mp.	14	Advanced
236	(tethered adj2 headset*).mp.	0	Advanced
237	Serious game.mp.	266	Advanced
238	or/196-237	12222	Advanced
239	195 and 238	569	Advanced
240	remove duplicates from 239	566	Advanced

EBM Reviews - Cochrane Database of Systematic Reviews <2005 to August 9, 2023>

#	Searches	Results	Type
1	(eye adj2 disease*).ti,ab.	16	Advanced
2	(eye adj2 disorder*).ti,ab.	3	Advanced
3	Albinism.ti,ab.	0	Advanced
4	(Chediak adj2 higashi syndrome).ti,ab.	0	Advanced
5	(Congenital adj2 amauros?s).ti,ab.	0	Advanced
6	dysgenesis neuroepithelialis retinae.ti,ab.	0	Advanced
7	hereditary epithelial dysplasia of retina.ti,ab.	0	Advanced
8	hereditary retinal aplasia.ti,ab.	0	Advanced
9	heredoretinopathia congenitalis.ti,ab.	0	Advanced
10	leber abiotroph*.ti,ab.	0	Advanced
11	(leber* adj2 amauros?s).ti,ab.	0	Advanced
12	leber congenital tapetoretinal degeneration.ti,ab.	0	Advanced

13	hereditary optic atroph*.ti,ab.	0	Advanced
14	(optic adj2 hypoplasia*).ti,ab.	0	Advanced
15	(retinal adj2 degeneration*).ti,ab.	1	Advanced
16	(retinal adj2 dysplasia*).ti,ab.	0	Advanced
17	pigmentary retinopathy*.ti,ab.	0	Advanced
18	retinitis pigmentosa.ti,ab.	1	Advanced
19	tapetoretinal degeneration*.ti,ab.	0	Advanced
20	fundus flavimaculatus.ti,ab.	0	Advanced
21	macular dystrophy with flecks.ti,ab.	0	Advanced
22	stargardt disease.ti,ab.	0	Advanced
23	cod md syndrome*.ti,ab.	0	Advanced
24	cerebromuscular dystrophy.ti,ab.	0	Advanced
25	cerebroocular dysplasia muscular dystrophy syndrome.ti,ab.	0	Advanced
26	chemke syndrome.ti,ab.	0	Advanced
27	congenital muscular dystrophy dystroglycanopathy.ti,ab.	0	Advanced
28	walker-warburg syndrome*.ti,ab.	0	Advanced
29	fukuyama cmd.ti,ab.	0	Advanced
30	(fukuyama adj3 muscular dystrophy).ti,ab.	0	Advanced
31	fukuyama syndrome.ti,ab.	0	Advanced
32	hard syndrome*.ti,ab.	0	Advanced

33	lgmd2k.ti,ab.	0	Advanced
34	mddga1.ti,ab.	0	Advanced
35	meb syndrome.ti,ab.	0	Advanced
36	muscle-eye-brain syndrome.ti,ab.	0	Advanced
37	muscle eye brain disease*.ti,ab.	0	Advanced
38	muscular dystrophy due to defective glycosylation of dystroglycan 4a.ti,ab.	0	Advanced
39	muscular dystrophy-dystroglycanopathy.ti,ab.	0	Advanced
40	pagon syndrome*.ti,ab.	0	Advanced
41	warburg syndrome.ti,ab.	0	Advanced
42	alpha dystroglycanopathies.ti,ab.	0	Advanced
43	congenital mesodermal dysmorphodystroph*.ti,ab.	0	Advanced
44	gems.ti,ab.	1	Advanced
45	glaucoma-lens ectopia-microspherophakia-stiffness-shortness syndrome.ti,ab.	0	Advanced
46	(marchesani adj2 syndrome*).ti,ab.	0	Advanced
47	spherophakia brachymorphia syndrome*.ti,ab.	0	Advanced
48	cataract*.ti,ab.	73	Advanced
49	lens opacity*.ti,ab.	2	Advanced
50	pseudoaphakia*.ti,ab.	0	Advanced
51	(lens adj2 cloud*).ti,ab.	0	Advanced
52	glaucoma*.ti,ab.	61	Advanced

53	increased intraocular pressure.ti,ab.	4	Advanced
54	ocular hypertension.ti,ab.	11	Advanced
55	optic neuropathy.ti,ab.	15	Advanced
56	brown* tendon sheath syndrome*.ti,ab.	0	Advanced
57	conjugate gaze spasm*.ti,ab.	0	Advanced
58	convergence excess*.ti,ab.	0	Advanced
59	convergence insufficienc*.ti,ab.	1	Advanced
60	cyclophoria*.ti,ab.	0	Advanced
61	eye motility disorder*.ti,ab.	0	Advanced
62	eye movement disorder*.ti,ab.	3	Advanced
63	internuclear ophthalmoplegia*.ti,ab.	0	Advanced
64	ocular motility disorder*.ti,ab.	0	Advanced
65	ocular torticollis.ti,ab.	1	Advanced
66	opsoclonus.ti,ab.	0	Advanced
67	parinaud* syndrome*.ti,ab.	0	Advanced
68	paroxysmal ocular dyskinesia*.ti,ab.	0	Advanced
69	pseudoophthalmoplegia*.ti,ab.	0	Advanced
70	skew deviation*.ti,ab.	0	Advanced
71	smooth pursuit deficienc*.ti,ab.	0	Advanced
72	spasm of conjugate gaze.ti,ab.	0	Advanced

73	tendon sheath syndrome of brown.ti,ab.	0	Advanced
74	fisher syndrome.ti,ab.	1	Advanced
75	miller fisher.ti,ab.	0	Advanced
76	(ophthalmoplegia, ataxia and areflexia syndrome).ti,ab.	0	Advanced
77	nystagmus.ti,ab.	8	Advanced
78	involuntary eye movement*.ti,ab.	0	Advanced
79	Jerky eye movement*.ti,ab.	0	Advanced
80	cranial nerve iii disease*.ti,ab.	0	Advanced
81	oculomotor nerve disease*.ti,ab.	0	Advanced
82	oculomotor nerve disorder*.ti,ab.	0	Advanced
83	oculomotor nerve pals*.ti,ab.	0	Advanced
84	oculomotor nerve paralys?s.ti,ab.	0	Advanced
85	oculomotor neuropath*.ti,ab.	0	Advanced
86	third cranial nerve disease*.ti,ab.	0	Advanced
87	third nerve pals*.ti,ab.	0	Advanced
88	third nerve paralysis.ti,ab.	1	Advanced
89	ophthalmoplegia*.ti,ab.	1	Advanced
90	oculomotor paralysis.ti,ab.	0	Advanced
91	ophthalmopares?s.ti,ab.	0	Advanced
92	dancing eyes.ti,ab.	0	Advanced

93	myoclonic encephalopathy*.ti,ab.	0	Advanced
94	kinsbourne syndrome.ti,ab.	0	Advanced
95	opsoclonus myoclonus.ti,ab.	0	Advanced
96	strabismus.ti,ab.	14	Advanced
97	dissociated horizontal deviation*.ti,ab.	0	Advanced
98	dissociated vertical deviation*.ti,ab.	2	Advanced
99	heterophoria*.ti,ab.	0	Advanced
100	heterotropia*.ti,ab.	0	Advanced
101	hypertropia*.ti,ab.	1	Advanced
102	phoria*.ti,ab.	0	Advanced
103	squint*.ti,ab.	3	Advanced
104	crossed eye*.ti,ab.	0	Advanced
105	tolosa hunt syndrome*.ti,ab.	0	Advanced
106	Ametropia*.ti,ab.	0	Advanced
107	refractive disorder*.ti,ab.	0	Advanced
108	refractive error*.ti,ab.	18	Advanced
109	aniseikonia.ti,ab.	0	Advanced
110	anisometropia.ti,ab.	1	Advanced
111	astigmatism*.ti,ab.	12	Advanced
112	corneal wavefront aberration*.ti,ab.	0	Advanced

113	farsighted*.ti,ab.	0	Advanced
114	longsighted*.ti,ab.	0	Advanced
115	hypermetropia*.ti,ab.	1	Advanced
116	hyperopia*.ti,ab.	3	Advanced
117	myopia*.ti,ab.	14	Advanced
118	nearsighted*.ti,ab.	1	Advanced
119	shortsighted*.ti,ab.	0	Advanced
120	presbyopia*.ti,ab.	3	Advanced
121	(retinal adj2 disease*).ti,ab.	1	Advanced
122	(cone adj2 dystroph*).ti,ab.	0	Advanced
123	diabetic retinopath*.ti,ab.	29	Advanced
124	hypertensive retinopath*.ti,ab.	0	Advanced
125	diabetic eye disease*.ti,ab.	0	Advanced
126	diabetic macular edema.ti,ab.	2	Advanced
127	blindness.ti,ab.	71	Advanced
128	hemeralopia*.ti,ab.	0	Advanced
129	macropsia*.ti,ab.	0	Advanced
130	metamorphopsia*.ti,ab.	1	Advanced
131	micropsia*.ti,ab.	0	Advanced
132	vision disabilit*.ti,ab.	0	Advanced

133	vision disorder*.ti,ab.	1	Advanced
134	vision impairment*.ti,ab.	3	Advanced
135	visual disorder*.ti,ab.	0	Advanced
136	visual impairment*.ti,ab.	26	Advanced
137	visual disabilit*.ti,ab.	3	Advanced
138	amblyopia*.ti,ab.	14	Advanced
139	lazy eye*.ti,ab.	0	Advanced
140	amauros?s.ti,ab.	1	Advanced
141	sudden visual loss*.ti,ab.	0	Advanced
142	achromatopsia*.ti,ab.	0	Advanced
143	colo?r vision defect*.ti,ab.	0	Advanced
144	colo?r vision deficienc*.ti,ab.	0	Advanced
145	colo?r vision impairment*.ti,ab.	0	Advanced
146	colo?r perception deficienc*.ti,ab.	0	Advanced
147	deutan defect.ti,ab.	0	Advanced
148	monochromatopsia.ti,ab.	0	Advanced
149	protan defect.ti,ab.	0	Advanced
150	tritan defect.ti,ab.	0	Advanced
151	diplopia*.ti,ab.	13	Advanced
152	double vision.ti,ab.	5	Advanced

153	polyopsia*.ti,ab.	0	Advanced
154	nyctalopia.ti,ab.	1	Advanced
155	light sensitivit*.ti,ab.	1	Advanced
156	photophobia*.ti,ab.	9	Advanced
157	scotoma*.ti,ab.	1	Advanced
158	retinocochleocerebral vasculopath*.ti,ab.	0	Advanced
159	susac* syndrome.ti,ab.	0	Advanced
160	diminished vision.ti,ab.	0	Advanced
161	reduced vision.ti,ab.	0	Advanced
162	subnormal vision.ti,ab.	0	Advanced
163	sub-normal vision.ti,ab.	0	Advanced
164	low vision.ti,ab.	7	Advanced
165	macular degeneration*.ti,ab.	32	Advanced
166	maculopath*.ti,ab.	0	Advanced
167	macular dystroph*.ti,ab.	0	Advanced
168	macular disorder*.ti,ab.	0	Advanced
169	retinal degeneration*.ti,ab.	0	Advanced
170	retinal degenerative disease*.ti,ab.	0	Advanced
171	visual field*.ti,ab.	36	Advanced
172	vision test*.ti,ab.	2	Advanced

173	colo?r perception test*.ti,ab.	0	Advanced
174	ocular refraction*.ti,ab.	0	Advanced
175	vision screening.ti,ab.	5	Advanced
176	visual acuit*.ti,ab.	137	Advanced
177	visual contrast sensitivity*.ti,ab.	0	Advanced
178	emmetropia*.ti,ab.	0	Advanced
179	automated perimetry exam*.ti,ab.	0	Advanced
180	campimetr*.ti,ab.	0	Advanced
181	perimetr*.ti,ab.	1	Advanced
182	tangent screen exam*.ti,ab.	0	Advanced
183	auditory perception.ti,ab.	0	Advanced
184	auditory processing.ti,ab.	1	Advanced
185	(auditory adj2 localization*).ti,ab.	0	Advanced
186	(sound adj2 localization*).ti,ab.	0	Advanced
187	spatial hearing.ti,ab.	0	Advanced
188	or/1-187	323	Advanced
189	(virtual adj3 realit*).ti,ab.	18	Advanced
190	(augmented adj3 realit*).ti,ab.	0	Advanced
191	VRET.ti,ab.	0	Advanced
192	iVR.ti,ab.	1	Advanced

193	iVRs.ti,ab.	0	Advanced
194	iVE.ti,ab.	0	Advanced
195	iVEs.ti,ab.	0	Advanced
196	(immers* adj2 environment*).ti,ab.	0	Advanced
197	samsung gear.ti,ab.	0	Advanced
198	oculus rift.ti,ab.	0	Advanced
199	HCD vive.ti,ab.	0	Advanced
200	hololens.ti,ab.	0	Advanced
201	gear VR.ti,ab.	0	Advanced
202	head-mount*.ti,ab.	1	Advanced
203	(head adj3 gear*).ti,ab.	0	Advanced
204	HMD.ti,ab.	1	Advanced
205	Gen2-VR.ti,ab.	0	Advanced
206	(google adj2 daydream).ti,ab.	0	Advanced
207	(google adj2 cardboard).ti,ab.	0	Advanced
208	PlayStation.ti,ab.	0	Advanced
209	(ReTrak adj2 Utopia).ti,ab.	0	Advanced
210	NOON VR.ti,ab.	0	Advanced
211	Freefly VR.ti,ab.	0	Advanced
212	Homido.ti,ab.	0	Advanced

213	iWear.ti,ab.	0	Advanced
214	(mixed adj2 realit*).ti,ab.	0	Advanced
215	(simulat* adj2 environment*).ti,ab.	2	Advanced
216	(virtual adj2 environment*).ti,ab.	3	Advanced
217	(computer adj2 game*).ti,ab.	6	Advanced
218	(video adj2 game*).ti,ab.	2	Advanced
219	gaming.ti,ab.	7	Advanced
220	(user adj2 interface*).ti,ab.	1	Advanced
221	(virtual adj2 interface*).ti,ab.	0	Advanced
222	Oculus Quest.ti,ab.	0	Advanced
223	Meta Quest.ti,ab.	0	Advanced
224	Metaverse.ti,ab.	0	Advanced
225	(simulate* adj2 realit*).ti,ab.	0	Advanced
226	(tethered adj2 headset*).ti,ab.	0	Advanced
227	Serious game.ti,ab.	0	Advanced
228	or/189-227	30	Advanced
229	188 and 228	3	Advanced

Searches as run on August 16, 2024

Ovid MEDLINE(R) ALL <1946 to August 15, 2024>

#	Searches	Results	Type

1	exp eye diseases/	657720	Advanced
2	Optic Atrophy/ge	782	Advanced
3	exp Optic Nerve/ab	2023	Advanced
4	Visual Fields/	33044	Advanced
5	exp Vision Tests/	121166	Advanced
6	exp Auditory Perception/	87129	Advanced
7	Sound Localization/	4911	Advanced
8	(eye adj2 disease*).mp.	56580	Advanced
9	(eye adj2 disorder*).mp.	2376	Advanced
10	Albinism.mp.	4571	Advanced
11	(Chediak adj2 higashi syndrome).mp.	1226	Advanced
12	(Congenital adj2 amauros?s).mp.	1645	Advanced
13	dysgenesis neuroepithelialis retinae.mp.	1	Advanced
14	hereditary epithelial dysplasia of retina.mp.	0	Advanced
15	hereditary retinal aplasia.mp.	0	Advanced
16	heredoretinopathia congenitalis.mp.	0	Advanced
17	leber abiotroph*.mp.	0	Advanced
18	(leber* adj2 amauros?s).mp.	1655	Advanced
19	leber congenital tapetoretinal degeneration.mp.	0	Advanced
20	hereditary optic atroph*.mp.	129	Advanced
21	(optic adj2 hypoplasia*).mp.	878	Advanced

22	(retinal adj2 degeneration*).mp.	17408	Advanced
23	(retinal adj2 dysplasia*).mp.	494	Advanced
24	pigmentary retinopathy*.mp.	628	Advanced
25	retinitis pigmentosa.mp.	13020	Advanced
26	tapetoretinal degeneration*.mp.	221	Advanced
27	fundus flavimaculatus.mp.	238	Advanced
28	macular dystrophy with flecks.mp.	2	Advanced
29	stargardt disease.mp.	1153	Advanced
30	cod md syndrome*.mp.	2	Advanced
31	cerebromuscular dystrophy.mp.	12	Advanced
32	cerebroocular dysplasia muscular dystrophy syndrome.mp.	0	Advanced
33	chemke syndrome.mp.	1	Advanced
34	congenital muscular dystrophy dystroglycanopathy.mp.	6	Advanced
35	walker-warburg syndrome*.mp.	475	Advanced
36	fukuyama cmd.mp.	27	Advanced
37	(fukuyama adj3 muscular dystrophy).mp.	412	Advanced
38	fukuyama syndrome.mp.	1	Advanced
39	hard syndrome*.mp.	4	Advanced
40	lgmd2k.mp.	7	Advanced
41	mddga1.mp.	0	Advanced
42	meb syndrome.mp.	0	Advanced

43	muscle-eye-brain syndrome.mp.	3	Advanced
44	muscle eye brain disease*.mp.	193	Advanced
45	muscular dystrophy due to defective glycosylation of dystroglycan 4a.mp.	0	Advanced
46	muscular dystrophy-dystroglycanopathy.mp.	30	Advanced
47	pagon syndrome*.mp.	0	Advanced
48	warburg syndrome.mp.	492	Advanced
49	alpha dystroglycanopathies.mp.	48	Advanced
50	congenital mesodermal dysmorphodystroph*.mp.	0	Advanced
51	gems.mp.	1354	Advanced
52	glaucoma-lens ectopia-microspherophakia-stiffness-shortness syndrome.mp.	1	Advanced
53	(marchesani adj2 syndrome*).mp.	216	Advanced
54	spherophakia brachymorphia syndrome*.mp.	5	Advanced
55	cataract*.mp.	81133	Advanced
56	lens opacity*.mp.	1134	Advanced
57	pseudoaphakia*.mp.	8	Advanced
58	(lens adj2 cloud*).mp.	69	Advanced
59	glaucoma*.mp.	85824	Advanced
60	increased intraocular pressure.mp.	1529	Advanced
61	ocular hypertension.mp.	10266	Advanced
62	optic neuropathy.mp.	12415	Advanced
63	brown* tendon sheath syndrome*.mp.	4	Advanced

64	conjugate gaze spasm*.mp.	0	Advanced
65	convergence excess*.mp.	119	Advanced
66	convergence insufficienc*.mp.	590	Advanced
67	cyclophoria*.mp.	24	Advanced
68	eye motility disorder*.mp.	19	Advanced
69	eye movement disorder*.mp.	476	Advanced
70	internuclear ophthalmoplegia*.mp.	754	Advanced
71	ocular motility disorder*.mp.	4564	Advanced
72	ocular torticollis.mp.	120	Advanced
73	opsoclonus.mp.	1165	Advanced
74	parinaud* syndrome*.mp.	341	Advanced
75	paroxysmal ocular dyskinesia*.mp.	0	Advanced
76	pseudoophthalmoplegia*.mp.	0	Advanced
77	skew deviation*.mp.	334	Advanced
78	smooth pursuit deficienc*.mp.	2	Advanced
79	spasm of conjugate gaze.mp.	0	Advanced
80	tendon sheath syndrome of brown.mp.	5	Advanced
81	fisher syndrome.mp.	1403	Advanced
82	miller fisher.mp.	1401	Advanced
83	(ophthalmoplegia, ataxia and areflexia syndrome).mp.	5	Advanced
84	nystagmus.mp.	19933	Advanced

85	involuntary eye movement*.mp.	171	Advanced
86	Jerky eye movement*.mp.	11	Advanced
87	cranial nerve iii disease*.mp.	0	Advanced
88	oculomotor nerve disease*.mp.	1884	Advanced
89	oculomotor nerve disorder*.mp.	2	Advanced
90	oculomotor nerve pals*.mp.	1035	Advanced
91	oculomotor nerve paralys?s.mp.	80	Advanced
92	oculomotor neuropath*.mp.	27	Advanced
93	third cranial nerve disease*.mp.	0	Advanced
94	third nerve pals*.mp.	835	Advanced
95	third nerve paralysis.mp.	39	Advanced
96	ophthalmoplegia*.mp.	12605	Advanced
97	oculomotor paralysis.mp.	1032	Advanced
98	ophthalmopares?s.mp.	579	Advanced
99	dancing eyes.mp.	41	Advanced
100	myoclonic encephalopathy*.mp.	273	Advanced
101	kinsbourne syndrome.mp.	23	Advanced
102	opsoclonus myoclonus.mp.	819	Advanced
103	strabismus.mp.	20979	Advanced
104	dissociated horizontal deviation*.mp.	28	Advanced
105	dissociated vertical deviation*.mp.	314	Advanced

106	heterophoria*.mp.	570	Advanced
107	heterotropia*.mp.	143	Advanced
108	hypertropia*.mp.	546	Advanced
109	phoria*.mp.	640	Advanced
110	squint*.mp.	2101	Advanced
111	crossed eye*.mp.	52	Advanced
112	tolosa hunt syndrome*.mp.	598	Advanced
113	Ametropia*.mp.	1118	Advanced
114	refractive disorder*.mp.	92	Advanced
115	refractive error*.mp.	17316	Advanced
116	aniseikonia.mp.	563	Advanced
117	anisometropia.mp.	2333	Advanced
118	astigmatism*.mp.	14836	Advanced
119	corneal wavefront aberration*.mp.	1029	Advanced
120	farsighted*.mp.	146	Advanced
121	longsighted*.mp.	3	Advanced
122	hypermetropia*.mp.	766	Advanced
123	hyperopia*.mp.	5673	Advanced
124	myopia*.mp.	30196	Advanced
125	nearsighted*.mp.	185	Advanced
126	shortsighted*.mp.	158	Advanced

127	presbyopia*.mp.	2805	Advanced
128	(retinal adj2 disease*).mp.	33260	Advanced
129	(cone adj2 dystroph*).mp.	1785	Advanced
130	diabetic retinopath*.mp.	43148	Advanced
131	hypertensive retinopath*.mp.	946	Advanced
132	diabetic eye disease*.mp.	573	Advanced
133	diabetic macular edema.mp.	5173	Advanced
134	blindness.mp.	50968	Advanced
135	hemeralopia*.mp.	142	Advanced
136	macropsia*.mp.	59	Advanced
137	metamorphopsia*.mp.	1044	Advanced
138	micropsia*.mp.	111	Advanced
139	vision disabilit*.mp.	83	Advanced
140	vision disorder*.mp.	31847	Advanced
141	vision impairment*.mp.	3330	Advanced
142	visual disorder*.mp.	1151	Advanced
143	visual impairment*.mp.	16645	Advanced
144	visual disabilit*.mp.	1124	Advanced
145	amblyopia*.mp.	10744	Advanced
146	lazy eye*.mp.	70	Advanced
147	amauros?s.mp.	3647	Advanced

148	sudden visual loss*.mp.	297	Advanced
149	achromatopsia*.mp.	698	Advanced
150	colo?r vision defect*.mp.	4443	Advanced
151	colo?r vision deficienc*.mp.	570	Advanced
152	colo?r vision impairment*.mp.	95	Advanced
153	colo?r perception deficienc*.mp.	3	Advanced
154	deutan defect.mp.	7	Advanced
155	monochromatopsia.mp.	0	Advanced
156	protan defect.mp.	7	Advanced
157	tritan defect.mp.	22	Advanced
158	diplopia*.mp.	13434	Advanced
159	double vision.mp.	1482	Advanced
160	polyopsia*.mp.	3	Advanced
161	nyctalopia.mp.	471	Advanced
162	light sensitivit*.mp.	2227	Advanced
163	photophobia*.mp.	4506	Advanced
164	scotoma*.mp.	5733	Advanced
165	retinocochleocerebral vasculopath*.mp.	16	Advanced
166	susac* syndrome.mp.	515	Advanced
167	diminished vision.mp.	167	Advanced
168	reduced vision.mp.	944	Advanced

169	subnormal vision.mp.	99	Advanced
170	sub-normal vision.mp.	9	Advanced
171	low vision.mp.	3671	Advanced
172	macular degeneration*.mp.	33240	Advanced
173	maculopath*.mp.	5982	Advanced
174	macular dystroph*.mp.	1953	Advanced
175	macular disorder*.mp.	187	Advanced
176	retinal degeneration*.mp.	16388	Advanced
177	retinal degenerative disease*.mp.	1244	Advanced
178	visual field*.mp.	53523	Advanced
179	vision test*.mp.	12194	Advanced
180	colo?r perception test*.mp.	2618	Advanced
181	ocular refraction*.mp.	252	Advanced
182	vision screening.mp.	3224	Advanced
183	visual acuit*.mp.	126951	Advanced
184	visual contrast sensitivity*.mp.	235	Advanced
185	emmetropia*.mp.	2036	Advanced
186	automated perimetry exam*.mp.	9	Advanced
187	campimetr*.mp.	322	Advanced
188	perimetr*.mp.	8502	Advanced
189	tangent screen exam*.mp.	13	Advanced

190	auditory perception.mp.	33898	Advanced
191	auditory processing.mp.	5434	Advanced
192	(auditory adj2 localization*).mp.	488	Advanced
193	(sound adj2 localization*).mp.	6026	Advanced
194	spatial hearing.mp.	569	Advanced
195	or/1-194	914767	Advanced
196	Virtual Reality/	6869	Advanced
197	(virtual adj3 realit*).mp.	22024	Advanced
198	(augmented adj3 realit*).mp.	5913	Advanced
199	VRET.mp.	156	Advanced
200	iVR.mp.	2057	Advanced
201	iVRs.mp.	220	Advanced
202	iVE.mp.	1951	Advanced
203	iVEs.mp.	195	Advanced
204	(immers* adj2 environment*).mp.	918	Advanced
205	samsung gear.mp.	42	Advanced
206	oculus rift.mp.	132	Advanced
207	HCD vive.mp.	0	Advanced
208	hololens.mp.	439	Advanced
209	gear VR.mp.	16	Advanced
210	head-mount*.mp.	2934	Advanced

211	(head adj3 gear*).mp.	101	Advanced
212	HMD.mp.	1497	Advanced
213	Gen2-VR.mp.	1	Advanced
214	(google adj2 daydream).mp.	5	Advanced
215	(google adj2 cardboard).mp.	23	Advanced
216	PlayStation.mp.	91	Advanced
217	(ReTrak adj2 Utopia).mp.	0	Advanced
218	NOON VR.mp.	0	Advanced
219	Freefly VR.mp.	0	Advanced
220	Homido.mp.	0	Advanced
221	iWear.mp.	0	Advanced
222	(mixed adj2 realit*).mp.	1297	Advanced
223	(simulat* adj2 environment*).mp.	6537	Advanced
224	(virtual adj2 environment*).mp.	6845	Advanced
225	Video Games/	7667	Advanced
226	(computer adj2 game*).mp.	1875	Advanced
227	(video adj2 game*).mp.	10420	Advanced
228	gaming.mp.	6266	Advanced
229	user-computer interface/	39824	Advanced
230	(user adj2 interface*).mp.	48401	Advanced
231	(virtual adj2 interface*).mp.	214	Advanced

232	Oculus Quest.mp.	46	Advanced
233	Meta Quest.mp.	25	Advanced
234	Metaverse.mp.	547	Advanced
235	(simulate* adj2 realit*).mp.	126	Advanced
236	(tethered adj2 headset*).mp.	1	Advanced
237	Serious game.mp.	903	Advanced
238	or/196-237	98233	Advanced
239	195 and 238	3109	Advanced
240	animals/ not (animals/ and humans/)	5214906	Advanced
241	239 not 240	3038	Advanced
242	limit 241 to english language	2940	Advanced
243	remove duplicates from 242	2935	Advanced
244	limit 243 to dt="20230814-20240816"	212	Advanced

Embase <1974 to 2024 August 15>

#	Searches	Results	Type
1	exp eye disease/	1144906	Advanced
2	exp hereditary optic atrophy/	7889	Advanced
3	visual field/	40865	Advanced
4	exp vision test/	46013	Advanced
5	exp hearing/	72047	Advanced
6	sound detection/	11793	Advanced

7	(eye adj2 disease*).mp.	70213	Advanced
8	(eye adj2 disorder*).mp.	9150	Advanced
9	Albinism.mp.	7105	Advanced
10	(Chediak adj2 higashi syndrome).mp.	1783	Advanced
11	(Congenital adj2 amauros?s).mp.	2993	Advanced
12	dysgenesis neuroepithelialis retinae.mp.	0	Advanced
13	hereditary epithelial dysplasia of retina.mp.	0	Advanced
14	hereditary retinal aplasia.mp.	0	Advanced
15	heredoretinopathia congenitalis.mp.	0	Advanced
16	leber abiotroph*.mp.	0	Advanced
17	(leber* adj2 amauros?s).mp.	3001	Advanced
18	leber congenital tapetoretinal degeneration.mp.	0	Advanced
19	hereditary optic atroph*.mp.	1059	Advanced
20	(optic adj2 hypoplasia*).mp.	1754	Advanced
21	(retinal adj2 degeneration*).mp.	15280	Advanced
22	(retinal adj2 dysplasia*).mp.	442	Advanced
23	pigmentary retinopathy*.mp.	851	Advanced
24	retinitis pigmentosa.mp.	17401	Advanced
25	tapetoretinal degeneration*.mp.	612	Advanced
26	fundus flavimaculatus.mp.	283	Advanced
27	macular dystrophy with flecks.mp.	2	Advanced

28	stargardt disease.mp.	2607	Advanced
29	cod md syndrome*.mp.	3	Advanced
30	cerebromuscular dystrophy.mp.	14	Advanced
31	cerebroocular dysplasia muscular dystrophy syndrome.mp.	0	Advanced
32	chemke syndrome.mp.	1	Advanced
33	congenital muscular dystrophy dystroglycanopathy.mp.	13	Advanced
34	walker-warburg syndrome*.mp.	894	Advanced
35	fukuyama cmd.mp.	42	Advanced
36	(fukuyama adj3 muscular dystrophy).mp.	714	Advanced
37	fukuyama syndrome.mp.	2	Advanced
38	hard syndrome*.mp.	5	Advanced
39	lgmd2k.mp.	11	Advanced
40	mddga1.mp.	2	Advanced
41	meb syndrome.mp.	0	Advanced
42	muscle-eye-brain syndrome.mp.	3	Advanced
43	muscle eye brain disease*.mp.	405	Advanced
44	muscular dystrophy due to defective glycosylation of dystroglycan 4a.mp.	0	Advanced
45	muscular dystrophy-dystroglycanopathy.mp.	56	Advanced
46	pagon syndrome*.mp.	0	Advanced
47	warburg syndrome.mp.	903	Advanced
48	alpha dystroglycanopathies.mp.	92	Advanced

49	congenital mesodermal dysmorphodystroph*.mp.	0	Advanced
50	gems.mp.	2039	Advanced
51	glaucoma-lens ectopia-microspherophakia-stiffness-shortness syndrome.mp.	1	Advanced
52	(marchesani adj2 syndrome*).mp.	326	Advanced
53	spherophakia brachymorphia syndrome*.mp.	2	Advanced
54	cataract*.mp.	114907	Advanced
55	lens opacity*.mp.	1451	Advanced
56	pseudoaphakia*.mp.	11	Advanced
57	(lens adj2 cloud*).mp.	93	Advanced
58	glaucoma*.mp.	115477	Advanced
59	increased intraocular pressure.mp.	1847	Advanced
60	ocular hypertension.mp.	8306	Advanced
61	optic neuropathy.mp.	19547	Advanced
62	brown* tendon sheath syndrome*.mp.	3	Advanced
63	conjugate gaze spasm*.mp.	0	Advanced
64	convergence excess*.mp.	129	Advanced
65	convergence insufficienc*.mp.	716	Advanced
66	cyclophoria*.mp.	23	Advanced
67	eye motility disorder*.mp.	25	Advanced
68	eye movement disorder*.mp.	6588	Advanced
69	internuclear ophthalmoplegia*.mp.	1453	Advanced

70	ocular motility disorder*.mp.	540	Advanced
71	ocular torticollis.mp.	98	Advanced
72	opsoclonus.mp.	2153	Advanced
73	parinaud* syndrome*.mp.	478	Advanced
74	paroxysmal ocular dyskinesia*.mp.	0	Advanced
75	pseudoophthalmoplegia*.mp.	1	Advanced
76	skew deviation*.mp.	529	Advanced
77	smooth pursuit deficienc*.mp.	2	Advanced
78	spasm of conjugate gaze.mp.	1	Advanced
79	tendon sheath syndrome of brown.mp.	4	Advanced
80	fisher syndrome.mp.	1852	Advanced
81	miller fisher.mp.	1729	Advanced
82	(ophthalmoplegia, ataxia and areflexia syndrome).mp.	5	Advanced
83	nystagmus.mp.	32029	Advanced
84	involuntary eye movement*.mp.	203	Advanced
85	Jerky eye movement*.mp.	29	Advanced
86	cranial nerve iii disease*.mp.	0	Advanced
87	oculomotor nerve disease*.mp.	1427	Advanced
88	oculomotor nerve disorder*.mp.	4	Advanced
89	oculomotor nerve pals*.mp.	1382	Advanced
90	oculomotor nerve paralys?s.mp.	99	Advanced

91	oculomotor neuropath*.mp.	33	Advanced
92	third cranial nerve disease*.mp.	0	Advanced
93	third nerve pals*.mp.	1115	Advanced
94	third nerve paralysis.mp.	39	Advanced
95	ophthalmoplegia*.mp.	19817	Advanced
96	oculomotor paralysis.mp.	220	Advanced
97	ophthalmopares?s.mp.	950	Advanced
98	dancing eyes.mp.	63	Advanced
99	myoclonic encephalopathy*.mp.	419	Advanced
100	kinsbourne syndrome.mp.	60	Advanced
101	opsoclonus myoclonus.mp.	1472	Advanced
102	strabismus.mp.	33509	Advanced
103	dissociated horizontal deviation*.mp.	37	Advanced
104	dissociated vertical deviation*.mp.	386	Advanced
105	heterophoria*.mp.	541	Advanced
106	heterotropia*.mp.	159	Advanced
107	hypertropia*.mp.	671	Advanced
108	phoria*.mp.	691	Advanced
109	squint*.mp.	2229	Advanced
110	crossed eye*.mp.	42	Advanced
111	tolosa hunt syndrome*.mp.	1031	Advanced

112	Ametropia*.mp.	1631	Advanced
113	refractive disorder*.mp.	114	Advanced
114	refractive error*.mp.	15745	Advanced
115	aniseikonia.mp.	565	Advanced
116	anisometropia.mp.	4117	Advanced
117	astigmatism*.mp.	20656	Advanced
118	corneal wavefront aberration*.mp.	724	Advanced
119	farsighted*.mp.	174	Advanced
120	longsighted*.mp.	9	Advanced
121	hypermetropia*.mp.	8435	Advanced
122	hyperopia*.mp.	4632	Advanced
123	myopia*.mp.	40640	Advanced
124	nearsighted*.mp.	204	Advanced
125	shortsighted*.mp.	176	Advanced
126	presbyopia*.mp.	3728	Advanced
127	(retinal adj2 disease*).mp.	17068	Advanced
128	(cone adj2 dystroph*).mp.	2824	Advanced
129	diabetic retinopath*.mp.	66862	Advanced
130	hypertensive retinopath*.mp.	1259	Advanced
131	diabetic eye disease*.mp.	1116	Advanced
132	diabetic macular edema.mp.	11131	Advanced

133	blindness.mp.	77589	Advanced
134	hemeralopia*.mp.	91	Advanced
135	macropsia*.mp.	129	Advanced
136	metamorphopsia*.mp.	1846	Advanced
137	micropsia*.mp.	209	Advanced
138	vision disabilit*.mp.	107	Advanced
139	vision disorder*.mp.	1672	Advanced
140	vision impairment*.mp.	4423	Advanced
141	visual disorder*.mp.	36013	Advanced
142	visual impairment*.mp.	77301	Advanced
143	visual disabilit*.mp.	1490	Advanced
144	amblyopia*.mp.	14252	Advanced
145	lazy eye*.mp.	103	Advanced
146	amauros?s.mp.	5475	Advanced
147	sudden visual loss*.mp.	394	Advanced
148	achromatopsia*.mp.	979	Advanced
149	colo?r vision defect*.mp.	4354	Advanced
150	colo?r vision deficienc*.mp.	753	Advanced
151	colo?r vision impairment*.mp.	146	Advanced
152	colo?r perception deficienc*.mp.	3	Advanced
153	deutan defect.mp.	10	Advanced

154	monochromatopsia.mp.	1	Advanced
155	protan defect.mp.	15	Advanced
156	tritan defect.mp.	33	Advanced
157	diplopia*.mp.	34000	Advanced
158	double vision.mp.	2440	Advanced
159	polyopsia*.mp.	3	Advanced
160	nyctalopia.mp.	613	Advanced
161	light sensitivit*.mp.	2833	Advanced
162	photophobia*.mp.	16256	Advanced
163	scotoma*.mp.	9200	Advanced
164	retinocochleocerebral vasculopath*.mp.	21	Advanced
165	susac* syndrome.mp.	901	Advanced
166	diminished vision.mp.	220	Advanced
167	reduced vision.mp.	1195	Advanced
168	subnormal vision.mp.	90	Advanced
169	sub-normal vision.mp.	7	Advanced
170	low vision.mp.	9413	Advanced
171	macular degeneration*.mp.	45622	Advanced
172	maculopath*.mp.	12401	Advanced
173	macular dystroph*.mp.	2443	Advanced
174	macular disorder*.mp.	236	Advanced

175	retinal degeneration*.mp.	13667	Advanced
176	retinal degenerative disease*.mp.	1692	Advanced
177	visual field*.mp.	67628	Advanced
178	vision test*.mp.	12803	Advanced
179	colo?r perception test*.mp.	42	Advanced
180	ocular refraction*.mp.	278	Advanced
181	vision screening.mp.	1927	Advanced
182	visual acuit*.mp.	184594	Advanced
183	visual contrast sensitivity*.mp.	304	Advanced
184	emmetropia*.mp.	3213	Advanced
185	automated perimetry exam*.mp.	9	Advanced
186	campimetr*.mp.	401	Advanced
187	perimetr*.mp.	19315	Advanced
188	tangent screen exam*.mp.	13	Advanced
189	auditory perception.mp.	3275	Advanced
190	auditory processing.mp.	6956	Advanced
191	(auditory adj2 localization*).mp.	542	Advanced
192	(sound adj2 localization*).mp.	2913	Advanced
193	spatial hearing.mp.	664	Advanced
194	or/1-193	1363630	Advanced
195	virtual reality/	30077	Advanced

196	augmented reality/	3384	Advanced
197	(virtual adj3 realit*).mp.	37734	Advanced
198	(augmented adj3 realit*).mp.	7029	Advanced
199	VRET.mp.	192	Advanced
200	iVR.mp.	2913	Advanced
201	iVRs.mp.	410	Advanced
202	iVE.mp.	3381	Advanced
203	iVEs.mp.	436	Advanced
204	(immers* adj2 environment*).mp.	1035	Advanced
205	samsung gear.mp.	78	Advanced
206	oculus rift.mp.	298	Advanced
207	HCD vive.mp.	0	Advanced
208	hololens.mp.	694	Advanced
209	gear VR.mp.	60	Advanced
210	head-mount*.mp.	4607	Advanced
211	(head adj3 gear*).mp.	134	Advanced
212	HMD.mp.	1892	Advanced
213	Gen2-VR.mp.	1	Advanced
214	(google adj2 daydream).mp.	9	Advanced
215	(google adj2 cardboard).mp.	44	Advanced
216	PlayStation.mp.	151	Advanced

217	(ReTrak adj2 Utopia).mp.	0	Advanced
218	NOON VR.mp.	0	Advanced
219	Freefly VR.mp.	0	Advanced
220	Homido.mp.	0	Advanced
221	iWear.mp.	5	Advanced
222	(mixed adj2 realit*).mp.	1416	Advanced
223	(simulat* adj2 environment*).mp.	7586	Advanced
224	(virtual adj2 environment*).mp.	9289	Advanced
225	exp video game/	7365	Advanced
226	(computer adj2 game*).mp.	2533	Advanced
227	(video adj2 game*).mp.	10420	Advanced
228	gaming.mp.	7803	Advanced
229	computer interface/	37589	Advanced
230	(user adj2 interface*).mp.	13981	Advanced
231	(virtual adj2 interface*).mp.	254	Advanced
232	Oculus Quest.mp.	111	Advanced
233	Meta Quest.mp.	41	Advanced
234	Metaverse.mp.	462	Advanced
235	(simulate* adj2 realit*).mp.	162	Advanced
236	(tethered adj2 headset*).mp.	2	Advanced
237	Serious game.mp.	867	Advanced

238	or/195-237	121069	Advanced
239	194 and 238	4945	Advanced
240	(exp animals/ or exp animal experimentation/ or nonhuman/) not ((exp animals/ or exp animal experimentation/ or nonhuman/) and exp human/)	7514249	Advanced
241	239 not 240	4775	Advanced
242	limit 241 to english language	4617	Advanced
243	limit 242 to (conference abstract or conference paper or "conference review" or conference proceeding)	927	Advanced
244	242 not 243	3690	Advanced
245	remove duplicates from 244	3605	Advanced
246	limit 245 to dc="20230814-20240816"	423	Advanced

EBM Reviews - Cochrane Central Register of Controlled Trials

#	Searches	Results	Type
1	exp eye diseases/	26855	Advanced
2	Optic Atrophy/ge	0	Advanced
3	exp Optic Nerve/ab	0	Advanced
4	Visual Fields/	1161	Advanced
5	exp Vision Tests/	8200	Advanced
6	exp Auditory Perception/	2603	Advanced
7	Sound Localization/	113	Advanced
8	(eye adj2 disease*).mp.	4869	Advanced
9	(eye adj2 disorder*).mp.	580	Advanced
10	Albinism.mp.	24	Advanced

11	(Chediak adj2 higashi syndrome).mp.	2	Advanced
12	(Congenital adj2 amauros?s).mp.	32	Advanced
13	dysgenesis neuroepithelialis retinae.mp.	0	Advanced
14	hereditary epithelial dysplasia of retina.mp.	0	Advanced
15	hereditary retinal aplasia.mp.	0	Advanced
16	heredoretinopathia congenitalis.mp.	0	Advanced
17	leber abiotroph*.mp.	0	Advanced
18	(leber* adj2 amauros?s).mp.	31	Advanced
19	leber congenital tapetoretinal degeneration.mp.	0	Advanced
20	hereditary optic atroph*.mp.	2	Advanced
21	(optic adj2 hypoplasia*).mp.	11	Advanced
22	(retinal adj2 degeneration*).mp.	168	Advanced
23	(retinal adj2 dysplasia*).mp.	1	Advanced
24	pigmentary retinopathy*.mp.	5	Advanced
25	retinitis pigmentosa.mp.	337	Advanced
26	tapetoretinal degeneration*.mp.	0	Advanced
27	fundus flavimaculatus.mp.	6	Advanced
28	macular dystrophy with flecks.mp.	0	Advanced
29	stargardt disease.mp.	59	Advanced
30	cod md syndrome*.mp.	0	Advanced
31	cerebromuscular dystrophy.mp.	0	Advanced

32	cerebroocular dysplasia muscular dystrophy syndrome.mp.	0	Advanced
33	chemke syndrome.mp.	0	Advanced
34	congenital muscular dystrophy dystroglycanopathy.mp.	0	Advanced
35	walker-warburg syndrome*.mp.	0	Advanced
36	fukuyama cmd.mp.	0	Advanced
37	(fukuyama adj3 muscular dystrophy).mp.	8	Advanced
38	fukuyama syndrome.mp.	0	Advanced
39	hard syndrome*.mp.	0	Advanced
40	lgmd2k.mp.	0	Advanced
41	mddga1.mp.	0	Advanced
42	meb syndrome.mp.	0	Advanced
43	muscle-eye-brain syndrome.mp.	0	Advanced
44	muscle eye brain disease*.mp.	1	Advanced
45	muscular dystrophy due to defective glycosylation of dystroglycan 4a.mp.	0	Advanced
46	muscular dystrophy-dystroglycanopathy.mp.	0	Advanced
47	pagon syndrome*.mp.	0	Advanced
48	warburg syndrome.mp.	0	Advanced
49	alpha dystroglycanopathies.mp.	0	Advanced
50	congenital mesodermal dysmorphodystroph*.mp.	0	Advanced
51	gems.mp.	98	Advanced
52	glaucoma-lens ectopia-microspherophakia-stiffness-shortness syndrome.mp.	0	Advanced

53	(marchesani adj2 syndrome*).mp.	0	Advanced
54	spherophakia brachymorphia syndrome*.mp.	0	Advanced
55	cataract*.mp.	9413	Advanced
56	lens opacity*.mp.	125	Advanced
57	pseudoaphakia*.mp.	0	Advanced
58	(lens adj2 cloud*).mp.	13	Advanced
59	glaucoma*.mp.	9157	Advanced
60	increased intraocular pressure.mp.	170	Advanced
61	ocular hypertension.mp.	2783	Advanced
62	optic neuropathy.mp.	549	Advanced
63	brown* tendon sheath syndrome*.mp.	0	Advanced
64	conjugate gaze spasm*.mp.	0	Advanced
65	convergence excess*.mp.	12	Advanced
66	convergence insufficienc*.mp.	129	Advanced
67	cyclophoria*.mp.	1	Advanced
68	eye motility disorder*.mp.	0	Advanced
69	eye movement disorder*.mp.	54	Advanced
70	internuclear ophthalmoplegia*.mp.	10	Advanced
71	ocular motility disorder*.mp.	122	Advanced
72	ocular torticollis.mp.	1	Advanced
73	opsoclonus.mp.	14	Advanced

74	parinaud* syndrome*.mp.	1	Advanced
75	paroxysmal ocular dyskinesia*.mp.	0	Advanced
76	pseudoophthalmoplegia*.mp.	0	Advanced
77	skew deviation*.mp.	4	Advanced
78	smooth pursuit deficienc*.mp.	0	Advanced
79	spasm of conjugate gaze.mp.	0	Advanced
80	tendon sheath syndrome of brown.mp.	0	Advanced
81	fisher syndrome.mp.	5	Advanced
82	miller fisher.mp.	3	Advanced
83	(ophthalmoplegia, ataxia and areflexia syndrome).mp. [mp=title, original title, abstract, floating sub-heading word, mesh headings, heading words, keyword]	0	Advanced
84	nystagmus.mp.	713	Advanced
85	involuntary eye movement*.mp.	7	Advanced
86	Jerky eye movement*.mp.	0	Advanced
87	cranial nerve iii disease*.mp.	0	Advanced
88	oculomotor nerve disease*.mp.	13	Advanced
89	oculomotor nerve disorder*.mp.	0	Advanced
90	oculomotor nerve pals*.mp.	12	Advanced
91	oculomotor nerve paralys?s.mp.	0	Advanced
92	oculomotor neuropath*.mp.	0	Advanced
93	third cranial nerve disease*.mp.	0	Advanced
94	third nerve pals*.mp.	2	Advanced

95	third nerve paralysis.mp.	0	Advanced
96	ophthalmoplegia*.mp.	99	Advanced
97	oculomotor paralysis.mp.	7	Advanced
98	ophthalmopares?s.mp.	6	Advanced
99	dancing eyes.mp.	0	Advanced
100	myoclonic encephalopathy*.mp.	2	Advanced
101	kinsbourne syndrome.mp.	0	Advanced
102	opsoclonus myoclonus.mp.	13	Advanced
103	strabismus.mp.	1471	Advanced
104	dissociated horizontal deviation*.mp.	0	Advanced
105	dissociated vertical deviation*.mp.	17	Advanced
106	heterophoria*.mp.	63	Advanced
107	heterotropia*.mp.	15	Advanced
108	hypertropia*.mp.	15	Advanced
109	phoria*.mp.	136	Advanced
110	squint*.mp.	150	Advanced
111	crossed eye*.mp.	1	Advanced
112	tolosa hunt syndrome*.mp.	1	Advanced
113	Ametropia*.mp.	142	Advanced
114	refractive disorder*.mp.	4	Advanced
115	refractive error*.mp.	1937	Advanced

116	aniseikonia.mp.	22	Advanced
117	anisometropia.mp.	373	Advanced
118	astigmatism*.mp.	2524	Advanced
119	corneal wavefront aberration*.mp.	166	Advanced
120	farsighted*.mp.	13	Advanced
121	longsighted*.mp.	0	Advanced
122	hypermetropia*.mp.	154	Advanced
123	hyperopia*.mp.	336	Advanced
124	myopia*.mp.	3753	Advanced
125	nearsighted*.mp.	61	Advanced
126	shortsighted*.mp.	11	Advanced
127	presbyopia*.mp.	451	Advanced
128	(retinal adj2 disease*).mp.	1042	Advanced
129	(cone adj2 dystroph*).mp.	24	Advanced
130	diabetic retinopath*.mp.	4759	Advanced
131	hypertensive retinopath*.mp.	30	Advanced
132	diabetic eye disease*.mp.	96	Advanced
133	diabetic macular edema.mp.	1896	Advanced
134	blindness.mp.	2854	Advanced
135	hemeralopia*.mp.	0	Advanced
136	macropsia*.mp.	0	Advanced

137	metamorphopsia*.mp.	104	Advanced
138	micropsia*.mp.	3	Advanced
139	vision disabilit*.mp.	2	Advanced
140	vision disorder*.mp.	1040	Advanced
141	vision impairment*.mp.	275	Advanced
142	visual disorder*.mp.	706	Advanced
143	visual impairment*.mp.	2257	Advanced
144	visual disabilit*.mp.	71	Advanced
145	amblyopia*.mp.	881	Advanced
146	lazy eye*.mp.	30	Advanced
147	amauros?s.mp.	97	Advanced
148	sudden visual loss*.mp.	2	Advanced
149	achromatopsia*.mp.	14	Advanced
150	colo?r vision defect*.mp.	98	Advanced
151	colo?r vision deficienc*.mp.	22	Advanced
152	colo?r vision impairment*.mp.	8	Advanced
153	colo?r perception deficienc*.mp.	0	Advanced
154	deutan defect.mp.	1	Advanced
155	monochromatopsia.mp.	0	Advanced
156	protan defect.mp.	2	Advanced
157	tritan defect.mp.	1	Advanced

158	diplopia*.mp.	758	Advanced
159	double vision.mp.	106	Advanced
160	polyopsia*.mp.	0	Advanced
161	nyctalopia.mp.	4	Advanced
162	light sensitivit*.mp.	173	Advanced
163	photophobia*.mp.	1266	Advanced
164	scotoma*.mp.	291	Advanced
165	retinocochleocerebral vasculopath*.mp.	0	Advanced
166	susac* syndrome.mp.	2	Advanced
167	diminished vision.mp.	14	Advanced
168	reduced vision.mp.	75	Advanced
169	subnormal vision.mp.	3	Advanced
170	sub-normal vision.mp.	0	Advanced
171	low vision.mp.	570	Advanced
172	macular degeneration*.mp.	3978	Advanced
173	maculopath*.mp.	461	Advanced
174	macular dystroph*.mp.	36	Advanced
175	macular disorder*.mp.	9	Advanced
176	retinal degeneration*.mp.	119	Advanced
177	retinal degenerative disease*.mp.	18	Advanced
178	visual field*.mp.	3889	Advanced

179	vision test*.mp.	733	Advanced
180	colo?r perception test*.mp.	56	Advanced
181	ocular refraction*.mp.	15	Advanced
182	vision screening.mp.	266	Advanced
183	visual acuit*.mp.	18287	Advanced
184	visual contrast sensitivity*.mp.	31	Advanced
185	emmetropia*.mp.	185	Advanced
186	automated perimetry exam*.mp.	0	Advanced
187	campimetr*.mp.	17	Advanced
188	perimetr*.mp.	1147	Advanced
189	tangent screen exam*.mp.	1	Advanced
190	auditory perception.mp.	1064	Advanced
191	auditory processing.mp.	299	Advanced
192	(auditory adj2 localization*).mp.	14	Advanced
193	(sound adj2 localization*).mp.	141	Advanced
194	spatial hearing.mp.	31	Advanced
195	or/1-194	59125	Advanced
196	Virtual Reality/	1162	Advanced
197	(virtual adj3 realit*).mp.	7374	Advanced
198	(augmented adj3 realit*).mp.	624	Advanced
199	VRET.mp.	108	Advanced

200	iVR.mp.	739	Advanced
201	iVRs.mp.	207	Advanced
202	iVE.mp.	165	Advanced
203	iVEs.mp.	32	Advanced
204	(immers* adj2 environment*).mp.	171	Advanced
205	samsung gear.mp.	17	Advanced
206	oculus rift.mp.	66	Advanced
207	HCD vive.mp.	0	Advanced
208	hololens.mp.	65	Advanced
209	gear VR.mp.	12	Advanced
210	head-mount*.mp.	581	Advanced
211	(head adj3 gear*).mp.	20	Advanced
212	HMD.mp.	241	Advanced
213	Gen2-VR.mp.	0	Advanced
214	(google adj2 daydream).mp.	2	Advanced
215	(google adj2 cardboard).mp.	13	Advanced
216	PlayStation.mp.	39	Advanced
217	(ReTrak adj2 Utopia).mp.	0	Advanced
218	NOON VR.mp.	1	Advanced
219	Freefly VR.mp.	0	Advanced
220	Homido.mp.	0	Advanced

221	iWear.mp.	0	Advanced
222	(mixed adj2 realit*).mp.	162	Advanced
223	(simulat* adj2 environment*).mp.	486	Advanced
224	(virtual adj2 environment*).mp.	1064	Advanced
225	Video Games/	1179	Advanced
226	(computer adj2 game*).mp.	722	Advanced
227	(video adj2 game*).mp.	2626	Advanced
228	gaming.mp.	1128	Advanced
229	user-computer interface/	1523	Advanced
230	(user adj2 interface*).mp.	1886	Advanced
231	(virtual adj2 interface*).mp.	24	Advanced
232	Oculus Quest.mp.	57	Advanced
233	Meta Quest.mp.	16	Advanced
234	Metaverse.mp.	29	Advanced
235	(simulate* adj2 realit*).mp.	17	Advanced
236	(tethered adj2 headset*).mp.	0	Advanced
237	Serious game.mp.	340	Advanced
238	or/196-237	14372	Advanced
239	195 and 238	657	Advanced
240	remove duplicates from 239	645	Advanced
241	("202308$" or "202309$" or "202310$" or "202311$" or "202312$" or "2024$").up.	513499	Advanced

242	240 and 241	188	Advanced

EBM Reviews - Cochrane Database of Systematic Reviews <2005 to August 14, 2024>

#	Searches	Results	Type
1	(eye adj2 disease*).ti,ab.	16	Advanced
2	(eye adj2 disorder*).ti,ab.	3	Advanced
3	Albinism.ti,ab.	0	Advanced
4	(Chediak adj2 higashi syndrome).ti,ab.	0	Advanced
5	(Congenital adj2 amauros?s).ti,ab.	0	Advanced
6	dysgenesis neuroepithelialis retinae.ti,ab.	0	Advanced
7	hereditary epithelial dysplasia of retina.ti,ab.	0	Advanced
8	hereditary retinal aplasia.ti,ab.	0	Advanced
9	heredoretinopathia congenitalis.ti,ab.	0	Advanced
10	leber abiotroph*.ti,ab.	0	Advanced
11	(leber* adj2 amauros?s).ti,ab.	0	Advanced
12	leber congenital tapetoretinal degeneration.ti,ab.	0	Advanced
13	hereditary optic atroph*.ti,ab.	0	Advanced
14	(optic adj2 hypoplasia*).ti,ab.	0	Advanced
15	(retinal adj2 degeneration*).ti,ab.	1	Advanced
16	(retinal adj2 dysplasia*).ti,ab.	0	Advanced
17	pigmentary retinopathy*.ti,ab.	0	Advanced

18	retinitis pigmentosa.ti,ab.	1	Advanced
19	tapetoretinal degeneration*.ti,ab.	0	Advanced
20	fundus flavimaculatus.ti,ab.	0	Advanced
21	macular dystrophy with flecks.ti,ab.	0	Advanced
22	stargardt disease.ti,ab.	0	Advanced
23	cod md syndrome*.ti,ab.	0	Advanced
24	cerebromuscular dystrophy.ti,ab.	0	Advanced
25	cerebroocular dysplasia muscular dystrophy syndrome.ti,ab.	0	Advanced
26	chemke syndrome.ti,ab.	0	Advanced
27	congenital muscular dystrophy dystroglycanopathy.ti,ab.	0	Advanced
28	walker-warburg syndrome*.ti,ab.	0	Advanced
29	fukuyama cmd.ti,ab.	0	Advanced
30	(fukuyama adj3 muscular dystrophy).ti,ab.	0	Advanced
31	fukuyama syndrome.ti,ab.	0	Advanced
32	hard syndrome*.ti,ab.	0	Advanced
33	lgmd2k.ti,ab.	0	Advanced
34	mddga1.ti,ab.	0	Advanced
35	meb syndrome.ti,ab.	0	Advanced
36	muscle-eye-brain syndrome.ti,ab.	0	Advanced
37	muscle eye brain disease*.ti,ab.	0	Advanced
38	muscular dystrophy due to defective glycosylation of dystroglycan 4a.ti,ab.	0	Advanced

39	muscular dystrophy-dystroglycanopathy.ti,ab.	0	Advanced
40	pagon syndrome*.ti,ab.	0	Advanced
41	warburg syndrome.ti,ab.	0	Advanced
42	alpha dystroglycanopathies.ti,ab.	0	Advanced
43	congenital mesodermal dysmorphodystroph*.ti,ab.	0	Advanced
44	gems.ti,ab.	1	Advanced
45	glaucoma-lens ectopia-microspherophakia-stiffness-shortness syndrome.ti,ab.	0	Advanced
46	(marchesani adj2 syndrome*).ti,ab.	0	Advanced
47	spherophakia brachymorphia syndrome*.ti,ab.	0	Advanced
48	cataract*.ti,ab.	78	Advanced
49	lens opacity*.ti,ab.	2	Advanced
50	pseudoaphakia*.ti,ab.	0	Advanced
51	(lens adj2 cloud*).ti,ab.	0	Advanced
52	glaucoma*.ti,ab.	62	Advanced
53	increased intraocular pressure.ti,ab.	4	Advanced
54	ocular hypertension.ti,ab.	12	Advanced
55	optic neuropathy.ti,ab.	15	Advanced
56	brown* tendon sheath syndrome*.ti,ab.	0	Advanced
57	conjugate gaze spasm*.ti,ab.	0	Advanced
58	convergence excess*.ti,ab.	0	Advanced
59	convergence insufficienc*.ti,ab.	1	Advanced

60	cyclophoria*.ti,ab.	0	Advanced
61	eye motility disorder*.ti,ab.	0	Advanced
62	eye movement disorder*.ti,ab.	3	Advanced
63	internuclear ophthalmoplegia*.ti,ab.	0	Advanced
64	ocular motility disorder*.ti,ab.	0	Advanced
65	ocular torticollis.ti,ab.	1	Advanced
66	opsoclonus.ti,ab.	0	Advanced
67	parinaud* syndrome*.ti,ab.	0	Advanced
68	paroxysmal ocular dyskinesia*.ti,ab.	0	Advanced
69	pseudoophthalmoplegia*.ti,ab.	0	Advanced
70	skew deviation*.ti,ab.	0	Advanced
71	smooth pursuit deficienc*.ti,ab.	0	Advanced
72	spasm of conjugate gaze.ti,ab.	0	Advanced
73	tendon sheath syndrome of brown.ti,ab.	0	Advanced
74	fisher syndrome.ti,ab.	1	Advanced
75	miller fisher.ti,ab.	0	Advanced
76	(ophthalmoplegia, ataxia and areflexia syndrome).ti,ab.	0	Advanced
77	nystagmus.ti,ab.	8	Advanced
78	involuntary eye movement*.ti,ab.	1	Advanced
79	Jerky eye movement*.ti,ab.	0	Advanced
80	cranial nerve iii disease*.ti,ab.	0	Advanced

81	oculomotor nerve disease*.ti,ab.	0	Advanced
82	oculomotor nerve disorder*.ti,ab.	0	Advanced
83	oculomotor nerve pals*.ti,ab.	0	Advanced
84	oculomotor nerve paralys?s.ti,ab.	0	Advanced
85	oculomotor neuropath*.ti,ab.	0	Advanced
86	third cranial nerve disease*.ti,ab.	0	Advanced
87	third nerve pals*.ti,ab.	0	Advanced
88	third nerve paralysis.ti,ab.	1	Advanced
89	ophthalmoplegia*.ti,ab.	1	Advanced
90	oculomotor paralysis.ti,ab.	0	Advanced
91	ophthalmopares?s.ti,ab.	0	Advanced
92	dancing eyes.ti,ab.	0	Advanced
93	myoclonic encephalopathy*.ti,ab.	0	Advanced
94	kinsbourne syndrome.ti,ab.	0	Advanced
95	opsoclonus myoclonus.ti,ab.	0	Advanced
96	strabismus.ti,ab.	14	Advanced
97	dissociated horizontal deviation*.ti,ab.	0	Advanced
98	dissociated vertical deviation*.ti,ab.	2	Advanced
99	heterophoria*.ti,ab.	0	Advanced
100	heterotropia*.ti,ab.	0	Advanced
101	hypertropia*.ti,ab.	1	Advanced

102	phoria*.ti,ab.	0	Advanced
103	squint*.ti,ab.	3	Advanced
104	crossed eye*.ti,ab.	0	Advanced
105	tolosa hunt syndrome*.ti,ab.	0	Advanced
106	Ametropia*.ti,ab.	0	Advanced
107	refractive disorder*.ti,ab.	0	Advanced
108	refractive error*.ti,ab.	20	Advanced
109	aniseikonia.ti,ab.	0	Advanced
110	anisometropia.ti,ab.	1	Advanced
111	astigmatism*.ti,ab.	13	Advanced
112	corneal wavefront aberration*.ti,ab.	0	Advanced
113	farsighted*.ti,ab.	0	Advanced
114	longsighted*.ti,ab.	0	Advanced
115	hypermetropia*.ti,ab.	1	Advanced
116	hyperopia*.ti,ab.	3	Advanced
117	myopia*.ti,ab.	14	Advanced
118	nearsighted*.ti,ab.	2	Advanced
119	shortsighted*.ti,ab.	0	Advanced
120	presbyopia*.ti,ab.	3	Advanced
121	(retinal adj2 disease*).ti,ab.	1	Advanced
122	(cone adj2 dystroph*).ti,ab.	0	Advanced

123	diabetic retinopath*.ti,ab.	31	Advanced
124	hypertensive retinopath*.ti,ab.	0	Advanced
125	diabetic eye disease*.ti,ab.	0	Advanced
126	diabetic macular edema.ti,ab.	2	Advanced
127	blindness.ti,ab.	72	Advanced
128	hemeralopia*.ti,ab.	0	Advanced
129	macropsia*.ti,ab.	0	Advanced
130	metamorphopsia*.ti,ab.	2	Advanced
131	micropsia*.ti,ab.	0	Advanced
132	vision disabilit*.ti,ab.	0	Advanced
133	vision disorder*.ti,ab.	1	Advanced
134	vision impairment*.ti,ab.	3	Advanced
135	visual disorder*.ti,ab.	0	Advanced
136	visual impairment*.ti,ab.	28	Advanced
137	visual disabilit*.ti,ab.	3	Advanced
138	amblyopia*.ti,ab.	14	Advanced
139	lazy eye*.ti,ab.	0	Advanced
140	amauros?s.ti,ab.	1	Advanced
141	sudden visual loss*.ti,ab.	0	Advanced
142	achromatopsia*.ti,ab.	0	Advanced
143	colo?r vision defect*.ti,ab.	0	Advanced

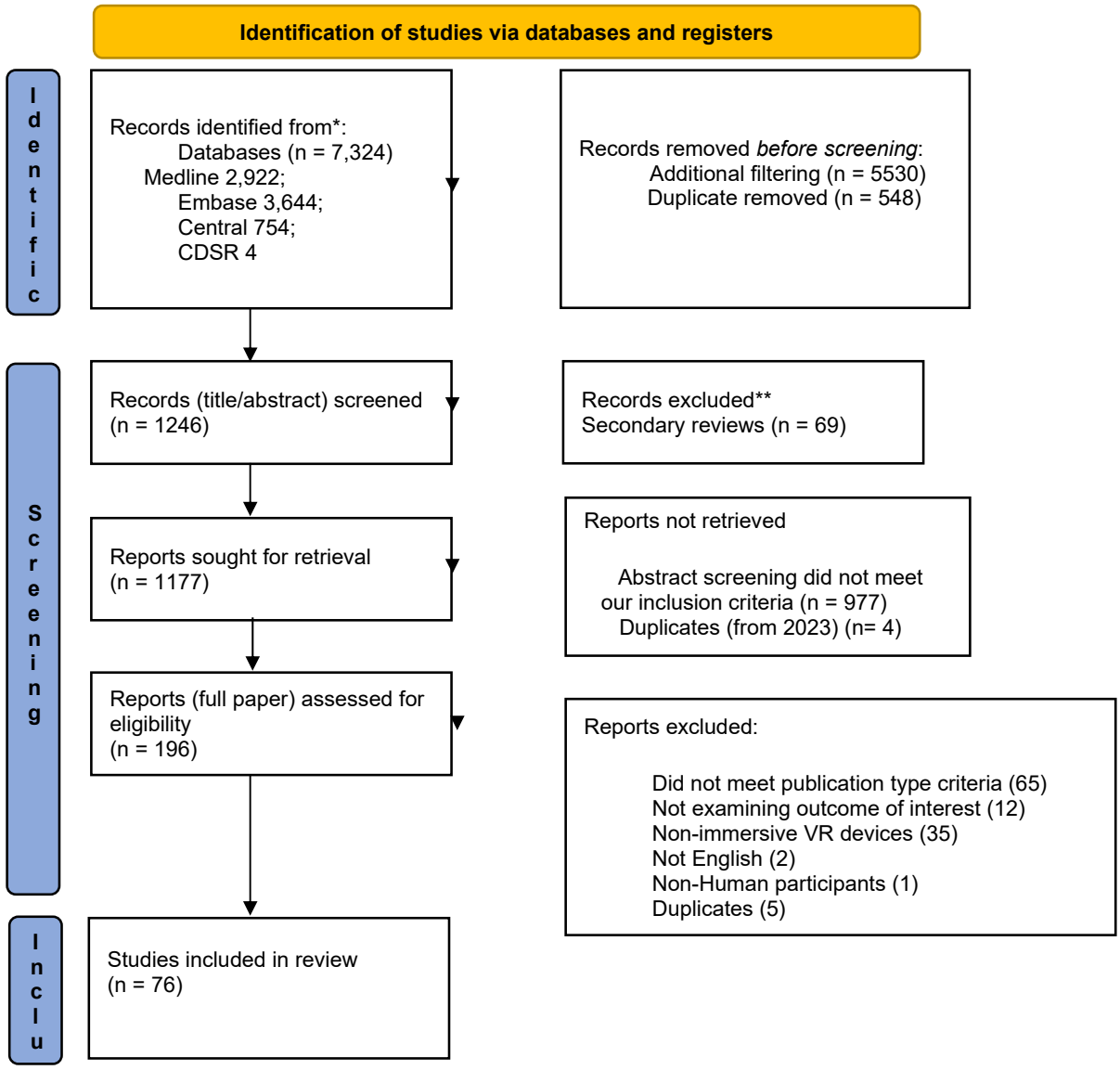
144	colo?r vision deficienc*.ti,ab.	0	Advanced
145	colo?r vision impairment*.ti,ab.	0	Advanced
146	colo?r perception deficienc*.ti,ab.	0	Advanced
147	deutan defect.ti,ab.	0	Advanced
148	monochromatopsia.ti,ab.	0	Advanced
149	protan defect.ti,ab.	0	Advanced
150	tritan defect.ti,ab.	0	Advanced
151	diplopia*.ti,ab.	14	Advanced
152	double vision.ti,ab.	4	Advanced
153	polyopsia*.ti,ab.	0	Advanced
154	nyctalopia.ti,ab.	1	Advanced
155	light sensitivit*.ti,ab.	1	Advanced
156	photophobia*.ti,ab.	10	Advanced
157	scotoma*.ti,ab.	1	Advanced
158	retinocochleocerebral vasculopath*.ti,ab.	0	Advanced
159	susac* syndrome.ti,ab.	0	Advanced
160	diminished vision.ti,ab.	0	Advanced
161	reduced vision.ti,ab.	0	Advanced
162	subnormal vision.ti,ab.	0	Advanced
163	sub-normal vision.ti,ab.	0	Advanced
164	low vision.ti,ab.	7	Advanced

165	macular degeneration*.ti,ab.	32	Advanced
166	maculopath*.ti,ab.	0	Advanced
167	macular dystroph*.ti,ab.	0	Advanced
168	macular disorder*.ti,ab.	0	Advanced
169	retinal degeneration*.ti,ab.	0	Advanced
170	retinal degenerative disease*.ti,ab.	0	Advanced
171	visual field*.ti,ab.	36	Advanced
172	vision test*.ti,ab.	2	Advanced
173	colo?r perception test*.ti,ab.	0	Advanced
174	ocular refraction*.ti,ab.	0	Advanced
175	vision screening.ti,ab.	5	Advanced
176	visual acuit*.ti,ab.	146	Advanced
177	visual contrast sensitivity*.ti,ab.	0	Advanced
178	emmetropia*.ti,ab.	0	Advanced
179	automated perimetry exam*.ti,ab.	0	Advanced
180	campimetr*.ti,ab.	0	Advanced
181	perimetr*.ti,ab.	1	Advanced
182	tangent screen exam*.ti,ab.	0	Advanced
183	auditory perception.ti,ab.	0	Advanced
184	auditory processing.ti,ab.	1	Advanced
185	(auditory adj2 localization*).ti,ab.	0	Advanced

186	(sound adj2 localization*).ti,ab.	0	Advanced
187	spatial hearing.ti,ab.	0	Advanced
188	or/1-187	333	Advanced
189	(virtual adj3 realit*).ti,ab.	18	Advanced
190	(augmented adj3 realit*).ti,ab.	0	Advanced
191	VRET.ti,ab.	0	Advanced
192	iVR.ti,ab.	1	Advanced
193	iVRs.ti,ab.	0	Advanced
194	iVE.ti,ab.	0	Advanced
195	iVEs.ti,ab.	0	Advanced
196	(immers* adj2 environment*).ti,ab.	0	Advanced
197	samsung gear.ti,ab.	0	Advanced
198	oculus rift.ti,ab.	0	Advanced
199	HCD vive.ti,ab.	0	Advanced
200	hololens.ti,ab.	0	Advanced
201	gear VR.ti,ab.	0	Advanced
202	head-mount*.ti,ab.	1	Advanced
203	(head adj3 gear*).ti,ab.	0	Advanced
204	HMD.ti,ab.	1	Advanced
205	Gen2-VR.ti,ab.	0	Advanced
206	(google adj2 daydream).ti,ab.	0	Advanced

207	(google adj2 cardboard).ti,ab.	0	Advanced
208	PlayStation.ti,ab.	0	Advanced
209	(ReTrak adj2 Utopia).ti,ab.	0	Advanced
210	NOON VR.ti,ab.	0	Advanced
211	Freefly VR.ti,ab.	0	Advanced
212	Homido.ti,ab.	0	Advanced
213	iWear.ti,ab.	0	Advanced
214	(mixed adj2 realit*).ti,ab.	0	Advanced
215	(simulat* adj2 environment*).ti,ab.	2	Advanced
216	(virtual adj2 environment*).ti,ab.	3	Advanced
217	(computer adj2 game*).ti,ab.	6	Advanced
218	(video adj2 game*).ti,ab.	2	Advanced
219	gaming.ti,ab.	7	Advanced
220	(user adj2 interface*).ti,ab.	1	Advanced
221	(virtual adj2 interface*).ti,ab.	0	Advanced
222	Oculus Quest.ti,ab.	0	Advanced
223	Meta Quest.ti,ab.	0	Advanced
224	Metaverse.ti,ab.	0	Advanced
225	(simulate* adj2 realit*).ti,ab.	0	Advanced
226	(tethered adj2 headset*).ti,ab.	0	Advanced
227	Serious game.ti,ab.	0	Advanced

228	or/189-227	30	Advanced
229	188 and 228	3	Advanced
230	("202308$" or "202309$" or "202310$" or "202311$" or "202312$" or "2024$").up.	3172	Advanced
231	229 and 230	1	Advanced



*Consider, if feasible to do so, reporting the number of records identified from each database or register searched (rather than the total number across all databases/registers).

**If automation tools were used, indicate how many records were excluded by a human and how many were excluded by automation tools.

From: Page MJ, McKenzie JE, Bossuyt PM, Boutron I, Hoffmann TC, Mulrow CD, et al. The PRISMA 2020 statement: an updated guideline for reporting systematic reviews. BMJ 2021;372:n71. doi: 10.1136/bmj.n71

For more information, visit: http://www.prisma-statement.org/