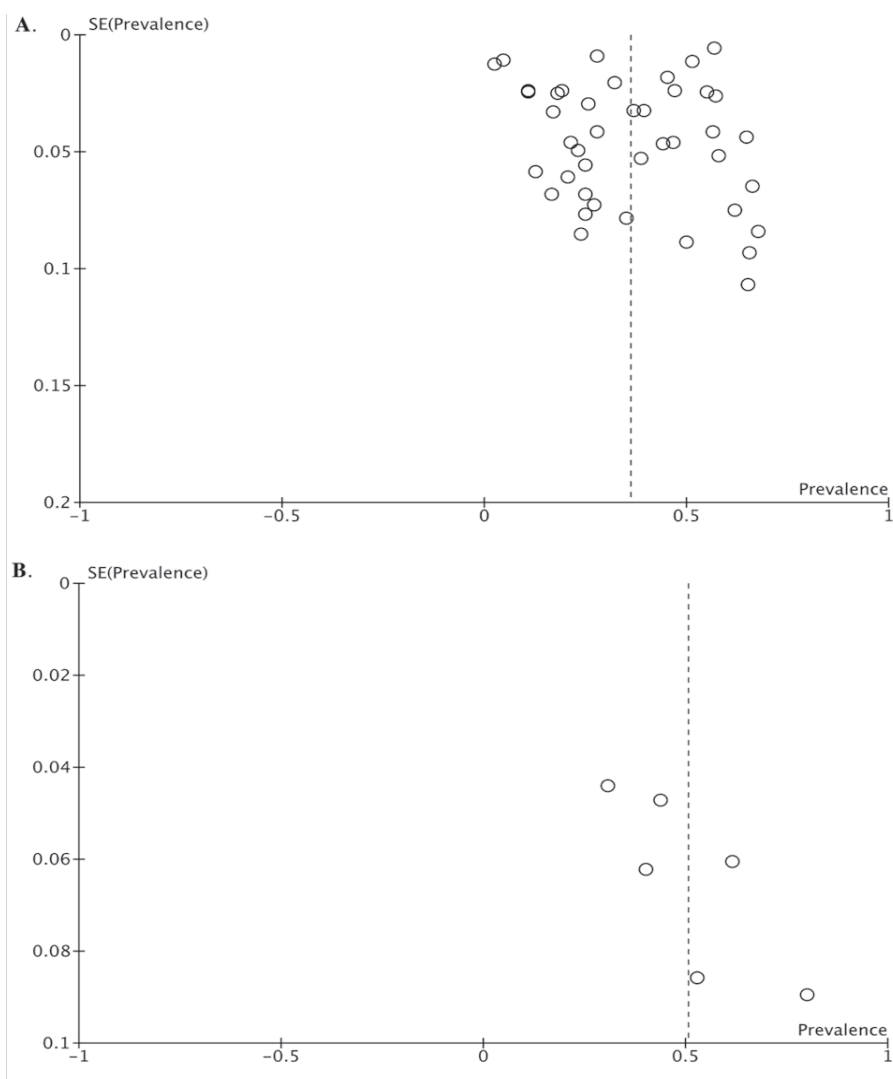


Supplementary Fig. S1. Prevalence of OC in BD on a world map. OC: ocular manifestations; BD: Behçet's disease.



Supplementary Fig. S2. Bias analyses for studies that report on juvenile (A) and adult (B) BD.

Supplementary Table S1. Studies included in the meta-analysis. **A)** paediatric BD; **B)** adult BD onset.

A

Author (reference)	Year	Country	STROBE	N	Disease	N w/ disease
Atmaca (13)	2011	Turkey	13	110	Eye involvement	34
					Bilateral eye involvement	21
					Unilateral eye involvement	13
					Anterior uveitis	18
					Posterior uveitis	24
					Panuveitis	13
					Hypopyon	5
					Cataract	1
					Posterior synechia	1
					Optic atrophy	6
					Vessel sheathing	5
					Optic nerve head swelling	2
					Vitreous haemorrhage	2
					Phthisis bulbi	2
					Retinal vasculitis	10
Optic disc hyperfluorescence	5					
Cystoid macular oedema	4					
Citirik (14)	2009	Turkey	16	34	Panuveitis	18
					Posterior uveitis	11
					Anterior uveitis	5
					Uveitis as first manifestation	5
					Cataract	20
					Posterior synechiae	8
					Posterior capsular opacification	8
					Glaucoma	7
					Vitreous condensation	17
					Optic atrophy	10
					Cystoid macular oedema	5
					Retinal phlebitis/ branch retinal vein occlusion	2
					Neovasculariaation of the disc	1
Eldem (15)	1998	Turkey	12	20	Ocular involvement	16
					Uveitis	14
					Anterior uveitis	1
					Posterior uveitis	11
					Papilledema (bilateral)	2
					Cataracts (patients)	8
					Cataracts (eyes)	14
					Optic atrophy (patients)	5
					Optic atrophy (eyes)	8
Fujikawa (39)	1997	Japan	19	31	Ocular involvement	9
Gallizzi (17)	2017	Italy	18	110	Uveitis	48
Kone-Paut (16)	1998	Turkey, Saudi Arabia, Iran, France	13	65	Ocular involvement	40
					Uveitis	29
					Retinal vasculitis	15
					Conjunctivitis	4
					Papilledema	7
					Optic atrophy	4
					Anterior uveitis	5
					Posterior uveitis	6
					Bilateral uveitis	26
Blindness	6					
Sarica (40)	1996	Turkey	17	95	Ocular involvement	26
Sungur (41)	2009	Turkey	17	62	Uveitis as initial manifestation	9
					Uveitis	50
					Anterior uveitis (eyes)	31
					Panuveitis (eyes)	59
					Intermediate uveitis (eyes)	4
					Hypopyon (eyes)	10
					Retinal vasculitis (eyes)	17
					Retinitis (eyes)	30
					Papilitis (eyes)	29
					Macular oedema (eyes)	29

B

Author (reference)	Year	Country	STROBE	N	Disease	N w/ disease
Abu-Ameerh (42)	2013	Jordan	13	18	Uveitis	9
					Vitritis	5
					Central retinal vein occlusion	1
					Branch retinal vein occlusion	1
					Neovascularization	1
					Retinal vasculitis	9
					Retinal atrophy	1
					Cranial nerve palsy	2
					Optic nerve atrophy	2
					Papillitis	1
					Papilledema	1
					Cystoid macular oedema	6
					Macular hole	1
					Cataract	8
Glaucoma	1					
Posterior synechea	2					
Ajili (43)	2015	Tuisia	17	85	Ocular involvement	33
Al-Aboosi (44)	1996	Jordan	16	20	Uveitis	13
al-Dalaan (45)	1994	Saudi Arabia	15	119	Eye involvement	77
Al-Dhibi (46)	2011	Saudi Arabia	18	159	Macular hole	17
Alli (47)	2009	Turkey	19	213	Eye involvement	55
Alpsoy (48)	2003	Turkey	13	60	Ocular involvement	15
Alpsoy (49)	2002	Turkey	18	44	Ocular Involvement	9
Arida (50)	2009	Israel	19	142	Eye involvement	126
Aydin (51)	2003	Turkey	18	32	Ocular Involvement	16
					Anterior segment involvement	9
					Posterior segment involvement	7
Azizlerli (52)	2003	Turkey	17	101	Eye involvement	28
Bang(53)	2003	South Korea	19	1901	Eye involvement	974
Bonitsis (20)	2015	Germany	21	747	Ocular involvement	337
					Iritis	200
					Retinitis	265
					Blindness	38
					Visual loss	141
					vascular thrombosis	29
Chamberlain (54)	1977	UK	14	32	Eye involvement	8
Chang (55)	2002	Korea	13	73	Ocular involvement	17
					Panuveitis	8
					Posterior uveitis	3
					Anterior uveitis	3
					Posterior uveitis and retinal vasculitis	2
					Scleritis	1
Cheng (56)	2004	Singapore	12	37	Uveitis	13
					Anterior uveitis	5
					Posterior uveitis	2
					Intermediate uveitis	2
					Panuveitis	4
					Bilateral eye involvement	8
					Unilateral eye involvement	5
					Permanent visual impairment	7
Chung (57)	1986	Taiwan	16	53	Eye involvement	35
Citirik (14)	2010	Turkey	16	16	Panuveitis	11
					Posterior Uveitis	4
					Anterior uveitis	1
					Cataract	11
					Posterior synechia	5
					Posterior capsular opacification	4
					Glaucoma	4
					Optic atrophy	9
					Vitreous condensation	6
					Cystoid macular oedema	4
					Retinal phlebitis	3
					Tractional retinal detachment	1

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Author (reference)	Year	Country	STROBE	N	Disease	N w/ disease
Davari (58)	2015	USA	19	26	Ocular involvement	17
Davatchi (59)	2010	Iran	14	6500	Uveitis as initial manifestation Retinal vasculitis as initial manifestation Ocular manifestations Anterior uveitis Posterior uveitis Retinal vasculitis Cataract	558 22 3693 2680 2919 2087 1277
Demiroglu (60)	1997	Turkey	19	224	Eye involvement Cells in vitreous and/or anterior chamber, no vision impairment Impaired vision Drastically impaired vision	88 28 34 26
El Fekih (61)	2007	Tunisia	12	32	Retinal vein occlusion Anterior uveitis Intermediate uveitis (bilateral)	3 2 4
Elgin (62)	2004	Turkey	14	129	Uveitis as initial manifestation Acute recurrent iridocyclitis Low visual acuity No light perception Inflammatory cells or flare Pigmentary cells on lens/intraocular lens Posterior synechiae Cataracts Aphakia Pseudophakia Optic atrophy Retinal vasculitis Retinal ischaemic changes (cotton-wool spots, intra-retinal haemorrhage) Glaucoma	22 122 21 3 191 152 63 54 14 19 5 11 9 25
Frigui (12)	2008	Tunisia	16	376 376	Optic neuropathy Bilateral optic neuropathy	18 11
Hamdan (63)	2006	Lebanon	12	90	Ocular disease Anterior uveitis Posterior uveitis Blindness in at least one eye Cataract Diplopia Cystoid macular oedema	52 45 42 15 4 3 1
Hamzaoui (9)	2006	Tunisia	14	519	Ocular involvement Panuveitis Anterior uveitis Posterior uveitis Blindness in at least one eye	167 76 20 20 31
Ideguchi (64)	2011	Japan	20	412	Eye involvement	266
Ilhan (11)	2008	Turkey	14	31	Acute uveitis	21
Janati (65)	2005	Morocco	15	113 100	Ocular involvement Anterior uveitis Posterior uveitis Panuveitis Retinal phlebitis Maculopathy Papilledema Chorioretinitis Episcleritis Optic atrophy	50 10 21 12 16 15 11 10 2 2
Kacmaz (66)	2008	USA	18	168 317	Anterior uveitis Posterior uveitis Bilateral uveitis Anterior uveitis Posterior uveitis Posterior synechiae Retinal vasculitis Cataract surgery Ocular hypertension>21mmHg Ocular hypertension >30 mmHg Hypotony Glaucoma surgery	18 142 139 32 270 26 59 28 41 9 3 2

Author (reference)	Year	Country	STROBE	N	Disease	N w/ disease
					Epiretinal membrane formation	34
					Macular edema	41
					Exudative retinal detachment	2
					Retinal neovascularization	6
					Choroidal neovascularization	0
					Visual acuity 20/50 or worse	171
					Visual acuity 20/200 or worse	97
Khabbazi (67)	2018	Azerbaijan	19	166	Anterior uveitis	65
					Posterior uveitis	76
					Retinal vasculitis	42
					Cataract	38
					Blindness	11
Koç (68)	1992	Turkey	17	137	Eye involvement	79
Krause (69)	2009	Germany	15	140	Eye involvement	79
					Bilateral ocular involvement	58
					Unilateral ocular involvement	21
					Panuveitis	50
					Retinal vasculitis	11
					Iridocyclitis	12
Kural-Seyahi (70)	2003	Turkey	19	428	Eye involvement	201
Lin (71)	2018	Taiwan	20	236	Uveitis	43
Mangelsdorf (72)	1996	USA	18	25	Uveitis	6
Matsuo (73)	2002	Japan	12	152	Conjunctival ulceration	4
Mohammad (74)	2013	Sweden	14	40	Posterior uveitis	10
					Anterior uveitis	7
					Retinal vasculitis	4
					Vision loss	1
Mok (75)	2002	China	16	37	Uveitis	10
					Retinal vasculitis	3
					Anterior uveitis	10
					Panuveitis	4
					Bilateral anterior uveitis	9
Rohatgi (76)	2003	India	12	19	Ocular manifestations	7
					Conjunctival ulcer	5
					Iridocyclitis	2
					Posterior segment involvement	0
Salvarani (77)	2005	Italy	14	18	Ocular involvement	10
					Bilateral ocular involvement	7
					Panuveitis	4
					Posterior uveitis	4
					Anterior uveitis	2
Shang (78)	2009	China	20	116	Ocular disease	54
Sibley	2014	Turkey, USA	20	219	Eye involvement	81
Simsek (79)	1991	Turkey	13	30	Eye lesions	5
Sungur (41)	2010	Turkey	17	42	Uveitis	26
					Anterior uveitis	19
					Anterior uveitis (eyes)	35
					Panuveitis	5
					Panuveitis (eyes)	10
					Sclerouveitis	2
					Sclerouveitis (eyes)	2
Tunc (80)	2002	Turkey	19	272	Uveitis	52
Tursen (81)	2003	Turkey	15	2313	Ocular involvement	648