

Suppl. Table 1 Patient disease characteristics at baseline

Patient	Age (years)	Duration of ocular inflammatory disease up to index date (years)	Aetiology (activity of underlying disease)	Duration of systemic inflammation (years)	Anatomic Classification of Uveitis	Uveitis phenotype	Co-morbidities	Smoking status	Visual acuity at baseline	Vitreous haze score	Indication for starting biologic therapy	Unilateral or bilateral disease	Duration of biologic therapy (years)	Immunosuppressive therapy at baseline
1	32	3	Behcet's disease (active)	4	Posterior uveitis	Retinal vasculitis (macula-involving)	None	Current smoker	RE 0, LE 0	RE 0, LE 0	Intolerance to other immunosuppression	Missing	10	Prednisolone 20mg Tacrolimus 2mg Mycophenolate 1.5g
2	38	5	Ankylosing spondylitis (active)	9	Anterior uveitis	Anterior inflammation	Epi-retinal membrane	Ex-smoker	RE 0.3, LE 0.5	RE 0, LE 0	Intolerance to other immunosuppression	Unilateral (RE)	8	Methotrexate 10mg
3	45	10	Idiopathic	Not applicable	Posterior uveitis	Retinal vasculitis (occlusive, macula-involving)	Epi-retinal membrane	Ex-smoker	RE 0.5, LE 0	RE 0, LE 0	Failure to control inflammation Early aggressive sight loss	Bilateral	7	Prednisolone 10mg Tacrolimus 4mg Mycophenolate 2g
4	26	3	Behcet's disease (active)	4	Posterior uveitis	Retinal vasculitis (occlusive, peripheral)	None	Never smoked	RE -0.2, LE -0.2	RE 0, LE 0	Failure to control inflammation	Bilateral	9	Prednisolone 25mg Tacrolimus 6mg Mycophenolate 2g
5	38	1	Behcet's disease (active)	0	Panuveitis	Retinal vasculitis (macula-involving)	None	Current smoker	RE 0.5, LE 0	RE 0, LE 0	Intolerance to other immunosuppression	Bilateral	11	Prednisolone 15mg Tacrolimus 2mg
6	43	5	Behcet's disease (active)	1	Posterior uveitis	Retinal vasculitis (occlusive, peripheral)	Epi-retinal membrane	Ex-smoker	RE -0.1, LE 0.5	RE 0, LE 0	Failure to control inflammation	Missing	3	Prednisolone 20mg Tacrolimus 4mg Mycophenolate 2g
7	52	7	Psoriatic arthropathy (active)	16	Intermediate uveitis	None	Glaucoma Cataract	Never smoked	RE 0.7, LE 0.2	RE 3, LE 0	Failure to control inflammation	Bilateral	9	Methotrexate 20mg
8	47	2	Behcet's disease (active)	1	Posterior uveitis	Retinal vasculitis (occlusive, peripheral)	Glaucoma	Never smoked	RE 1.3, LE 0.2	RE 0, LE 0	Intolerance to other immunosuppression	Bilateral	10	Prednisolone 20mg Tacrolimus 2mg
9	62	1	Undifferentiated arthritis (active)	2	Scleritis	None	None	Ex-smoker	RE 1.5, LE 0.8	RE 0, LE 0	Failure to control inflammation	Bilateral	10	Methotrexate 20mg
10	41	4	Idiopathic	Not applicable	Posterior uveitis	Retinal vasculitis (occlusive, peripheral) Vitreitis	Cystoid macular oedema	Current smoker	RE 0, LE 0.3	RE 0, LE 0	Failure to control inflammation	Bilateral	9	Prednisolone 15mg Cyclosporine 300mg

11	25	3	Behcet's disease (active)	3	Posterior uveitis	Retinal vasculitis (peripheral)	Epiretinal membrane	Missing	RE 0, LE 0	RE 0, LE 0	Failure to control inflammation	Bilateral	8	Tacrolimus 6mg Mycophenolate 3g
12	24	6	Idiopathic	Not applicable	Panuveitis	Retinal vasculitis (peripheral)	Cataract	Missing	RE 0.2, LE 0.2	RE 1, LE 2	Failure to control inflammation Intolerance to other immunosuppression	Missing	10	Prednisolone 40mg Methotrexate 20mg
13	47	10	Idiopathic	Not applicable	Posterior uveitis	None	Cystoid macular oedema Epiretinal membrane	Ex-smoker	RE 0.8, LE 1	RE 0, LE 0	Failure to control inflammation	Bilateral	7	Prednisolone 15mg Tacrolimus 5mg
14	51	10	Idiopathic	Not applicable	Posterior uveitis	Retinal vasculitis (occlusive, macula-involving)	Choroidal neovascularisation	Missing	RE 0.8, LE 0.8	RE 0, LE 0	Failure to control inflammation	Missing	1	Prednisolone 8mg Tacrolimus 6mg Mycophenolate 2g
15	40	9	Behcet's disease (active)	10	Panuveitis	Retinal vasculitis (macula-involving)	Epiretinal membrane Cystoid macular oedema	Current smoker	RE 0.8, LE 1.5	RE 1, LE 1	Failure to control inflammation Intolerance to other immunosuppression	Bilateral	12	Prednisolone 30mg Cyclosporine 150mg Mycophenolate 3g
16	29	2	Idiopathic	Not applicable	Posterior uveitis	Missing	Missing	Missing	Missing	Missing	Missing	Missing	5	Prednisolone 8mg Tacrolimus 4mg Mycophenolate 2g
17	33	3	Idiopathic	Not applicable	Posterior uveitis	Retinal vasculitis (occlusive, macula-involving)	None	Current smoker	RE 0.2, LE 0	RE 0, LE 0	Early aggressive sight loss	Bilateral	3	Prednisolone 60mg Tacrolimus 3mg Mycophenolate 2g
18	18	10	JIA (active)	15	Anterior uveitis	None	None	Never smoked	RE 0, LE -0.1	RE 0, LE 0	Missing	Bilateral	7	Prednisolone 10mg Mycophenolate 2g Methotrexate 17.5mg
19	53	1	Behcet's disease (active)	7	Posterior uveitis	Retinal vasculitis (peripheral)	Cataract Epiretinal membrane	Missing	RE 0.2, LE 0.3	RE 0, LE 0	Intolerance to other immunosuppression	Bilateral	7	Prednisolone 10mg Tacrolimus 4mg Mycophenolate 2g
20	31	18	JIA (active)	20	Intermediate uveitis	Anterior inflammation	Glaucoma Cataract	Never smoked	RE 0.5, LE 3	RE 0, LE 0	Failure to control inflammation	Bilateral	7	Prednisolone 30mg Mycophenolate 3g Methotrexate 25mg
21	22	13	Idiopathic	Not applicable	Intermediate uveitis	Retinal vasculitis (macula-involving)	Ocular hypertension Cataract Cystoid macular oedema	Never smoked	RE 0.2, LE 0.2	RE 0, LE 0	Failure to control inflammation Intolerance to other immunosuppression	Bilateral	9	Cyclosporine 150mg Mycophenolate 1.5g
22	34	1	Behcet's disease (active)	1	Panuveitis	Anterior inflammation Vitreitis	Epiretinal membrane	Missing	RE 0.1, LE 0.1	RE 0, LE 0	Early aggressive sight loss	Unilateral (LE)	7	Prednisolone 5mg Tacrolimus 4mg Mycophenolate 2g

						Retinal vasculitis (peripheral)								
23	52	10	Idiopathic	Missing	Intermediate uveitis	Vitritis	Cataract Epiretinal membrane Cystoid macular oedema	Never smoked	RE 0.6, LE 0.2	RE 0, LE 0	Failure to control inflammation	Bilateral	7	Prednisolone 20mg Tacrolimus 4mg Mycophenolate 3g
24	58	1	ANCA negative vasculitis - active	1	Scleritis	None	None	Missing	RE 0, LE 0	RE 0, LE 0	Failure to control inflammation	Bilateral	8	Prednisolone 25mg Azathioprine 100mg
25	20	7	Idiopathic	Not applicable	Intermediate uveitis	Vitritis	Glaucoma	Never smoked	RE 0, LE 0.6	RE 0, LE 0	Failure to control inflammation	Bilateral	9	Prednisolone 7.5mg Tacrolimus 4mg Mycophenolate 2g
26	44	2	Behcet's disease (active)	0	Panuveitis	Retinal vasculitis (occlusive, macula- involving) Vitritis Anterior inflammati on	Cystoid macular oedema	Never smoked	RE 2, LE 3	RE 0, LE 4	Intolerance to other immunosuppression Early aggressive sight loss	Alternating disease	6	Prednisolone 30mg Tacrolimus 2mg Mycophenolate 1g
27	28	2	Idiopathic - mouth ulceration	2	Intermediate uveitis	Vitritis	Cystoid macular oedema	Ex-smoker	RE 0.1, LE 0.1	RE 1, LE 1	Failure to control inflammation	Bilateral	5	Tacrolimus 4mg Mycophenolate 3g
28	38	1	Idiopathic	Not applicable	Posterior uveitis	Retinal vasculitis (occlusive, peripheral)	Cystoid macular oedema	Current smoker	RE 0.48, LE 0.3	RE 0, LE 0	Failure to control inflammation Early aggressive sight loss	Bilateral	6	Tacrolimus 2mg Mycophenolate 1g
29	40	3	Behcet's disease (active)	3	Panuveitis	Retinal vasculitis (peripheral)	None	Current smoker	RE 2.5, LE 2.5	RE 0, LE 0	Failure to control inflammation High dose steroid requirement	Bilateral	9	Prednisolone 50mg Cyclosporine 300mg
30	41	0	Psoriatic arthropathy (active)	6	Scleritis	None	None	Never smoked	RE 0.2, LE 0.2	RE 0, LE 0	Early aggressive sight loss	Unilateral (RE)	6	Prednisolone 20mg Methotrexate 20mg
31	41	0	Idiopathic	Not applicable	Posterior uveitis	Retinal vasculitis (occlusive, peripheral)	None	Ex-smoker	RE 1, LE -0.1	RE 0.5, LE 0.5	Early aggressive sight loss	Bilateral	6	Prednisolone 5mg Mycophenolate 2g Methotrexate 12.5mg
32	32	8	Idiopathic	Not applicable	Intermediate uveitis	Anterior inflammati on Vitritis	Glaucoma Cataract Epiretinal membrane Cystoid macular oedema	Missing	Missing	RE 0, LE 0	Failure to control inflammation	Bilateral	1	Prednisolone 10mg Tacrolimus 2mg Mycophenolate 3g
33	47	1	Behcet's disease (active)	1	Anterior uveitis	Anterior inflammati on	None	Never smoked	RE 0.15, LE 0.15	RE 0, LE 0	Failure to control inflammation	Bilateral	8	Prednisolone 10mg Methotrexate 20mg

34	20	8	Juvenile sarcoidosis (active)	8	Panuveitis	Anterior inflammation Vitreitis	Cataract Hypotony Optic disc swelling Optic atrophy	Never smoked	RE 0.3, LE 1	RE 0, LE 0	Failure to control inflammation	Bilateral	6	Prednisolone 20mg Methotrexate 20mg
35	32	0	Behcet's disease (active)	3	Posterior uveitis	Retinal vasculitis (macula-involving)	None	Current smoker	RE 0, LE 1.25	RE 0, LE 0	Intolerance to other immunosuppression Early aggressive sight loss	Unilateral (LE)	3	Prednisolone 20mg Tacrolimus 2mg
36	23	6	Idiopathic - no systemic disease	Not applicable	Panuveitis	Vitreitis	Glaucoma Cataract Epiretinal membrane	Missing	RE 0.6, LE 0.3	RE 1, LE 1	Failure to control inflammation	Bilateral	5	Tacrolimus 2mg Mycophenolate 2g
37	47	1	Idiopathic - CNS involvement	1	Panuveitis	Retinal vasculitis (peripheral) Choroidal inflammation	None	Never smoked	RE 0.9, LE 0.7	RE 0.5, LE 0.5	Failure to control inflammation	Bilateral	4	Tacrolimus 3mg Mycophenolate 2g
38	54	0	Idiopathic	Not applicable	Scleritis	None	Cataract	Never smoked	RE 0.1, LE 0.8	RE 0, LE 0	Intolerance to other immunosuppression	Unilateral	5	Prednisolone 10mg Methotrexate 15mg
39	45	4	Behcet's disease (active)	Missing	Panuveitis	Retinal vasculitis (peripheral)	Epiretinal membrane Cystoid macular oedema	Never smoked	RE -0.1, LE -0.1	RE 0, LE 0	Failure to control inflammation High dose steroid requirement	Bilateral	5	Prednisolone 7.5mg Tacrolimus 4mg Mycophenolate 3g
40	51	5	Sarcoidosis (active)	5	Panuveitis	Anterior inflammation Vitreitis	Ocular hypertension Cataract Epiretinal membrane Cystoid macular oedema	Missing	RE 0.7, LE 0.2	RE 1, LE 0.5	Failure to control inflammation	Bilateral	4	Prednisolone 15mg Tacrolimus 3mg Mycophenolate 3g
41	57	3	Behcet's disease - (active)	0	Panuveitis	Retinal vasculitis (occlusive, peripheral) Vitreitis	Cataract Cystoid macular oedema	Never smoked	RE 2, LE 0.9	RE 1, LE 0	Failure to control inflammation	Bilateral	3	Tacrolimus 4mg Mycophenolate 3g
42	52	Missing	Idiopathic	Not applicable	Missing	Missing	Epiretinal membrane Cystoid macular oedema	Missing	RE 0.6, LE 0.6	RE 0, LE 0	Intolerance to other immunosuppression	Missing	3	Prednisolone 7.5mg
43	18	8	Idiopathic	Not applicable	Intermediate uveitis	Vitreitis	Epiretinal membrane Cystoid macular oedema	Missing	RE 0.6, LE 0.7	RE 1, LE 1	Intolerance to other immunosuppression	Bilateral	3	None

Suppl. Table 2**Comparison of Immunomodulatory treatment, oral corticosteroids and topical treatments prior to commencement of TNFi (baseline visit) and during TNFi therapy**

Medication	Prior to TNFi	%	Concomitant with TNFi	%
Prednisolone >10mg PO/day	22	51.1	6	14
Prednisolone 1-10mg PO/day	18	41.8	23	53.5
Prednisolone 0mg			15	
1 immunomodulatory medications*	15	37.2	25	58.1
2 immunomodulatory medications *	25	58.1	11	25.6
Topical Steroid	17	38.6	7	16.3
Topical Antihypertensive Medication	9	20.5	11	25.6

Suppl. Table 2: Comparison of Immunomodulatory treatment, oral corticosteroids and topical treatments prior to commencement of TNFi (baseline visit) and during TNFi therapy

Medication	Prior to TNFi	%	Concomitant with TNFi	%
Prednisolone >10mg PO/day	22	51	6	14
Prednisolone 1-10mg PO/day	18	42	23	53.5
Prednisolone 0mg	4	9	15	39
1 immunomodulatory medications*	15	37	25	58.1
2 immunomodulatory medications *	25	58	11	25.6
Topical Steroid	17	39	7	16.3
Topical Antihypertensive Medication	9	21	11	25.6

Suppl. Table 3 Baseline and census visual acuities in patients who lost vision.

Patient	Baseline VA	Visual Acuity at Census
5	0.0	1.00
8	0.2	2.00
13	0.8	1.60
15	0.8	1.26
18	-0.1	0.30
27	0.1	0.10

29	2.5	3.00
34	0.3	0.70
36	0.3	0.6