

## Supplementary

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## TANDEM Contributors

### Investigaors

Alexander J E Foss

Rebecca Haydock

Margo Childs

Lelia Duley

Theo Empeslides

Sushma Dhar-Munshi

Alan Montgomery

Reuben Ogollah

Mara Ozolins

Paul Tesha

Eleanor Mitchell

### Trial Steering Group Committee

Members: Greg Fell (Chair and independent member), Catey Bunce (independent member), Phillip Luthert (independent member), Richard Wormald (independent member), Helen Jackman (independent member to 26 June 2014), Cathy Yelf (independent member), Malcolm Qualie (EMSCG funding observer to 26 June 2014), Guy Mansford (CCG funding observer from 27 June 2014 to 17 January 2016), Nicky Bird (CCG funding observer from 18 January 2016 to 22 January 2017), Judith Bell (PCT representative member to 26 June 2014), Alex Foss (Chief Investigator and non-independent member), Maria Koufali (Sponsor non independent member to 26 June 2014), Sarah Skirrow (Sponsor non-independent member from 27 June 2014 to 19 June 2016), Stacey Harrison (non-independent sponsor member from 27 June 2014 to 22 January 2017), Rachelle Ward (Sponsor non independent member from 18 January 2016) Lelia Duley (NCTU observer to 29 September 2017), Alan Montgomery (NCTU non independent member from 27 June 2014), Margaret Childs (NCTU observer to 19 June 2016), Eleanor Mitchell (NCTU observer from 20 June 2016), Samah Mughal (NCTU observer from 27 June 2014 to 11 January 2015), Rebecca Haydock (NCTU observer from 12 January 2015), Robert Allen (NCTU observer from 12 January 2015 to 19 June 2016), Richard Swinden (NCTU observer from 20 June 2016), Wei Tan (NCTU observer from 12 January 2015), Min Yang (NCTU observer to 11 January 2015), Tessa Clarke (NCTU observer 11 January 2015).

**Independent Data Monitoring Committee**

Adnan Tufail (Chair and clinical specialist), Gary Collins (statistician) and Hugh McIntyre (clinician).

SUPPLEMENTARY TABLE 1: Baseline Data

	Group L1 (n = 204)	Group S1 (n = 203)	Group L2 (n = 203)	Group S2 (n =202)	Total (n =812)
Age at enrolment (years):					
mean [SD]	79 [7.5]	80 [7.6]	80 [7.4]	81 [7.0]	80 [7.4]
Min, max	54, 95	54, 98	60, 99	62, 101	54, 101
Gender					
Male	84 (41)	85 (42)	85 (42)	93 (46)	347 (43)
Female	120 (59)	118 (58)	118 (58)	109 (54)	465 (57)
Smoking history					
Current smoker	29 (14)	27 (13)	21 (10)	25 (12)	102 (13)
Ex-smoker	108 (53)	104 (51)	103 (51)	103 (51)	418 (51)
Never smoked	67 (33)	72 (35)	79 (39)	74 (37)	292 (36)
Neovascular lesion involving the centre of fovea					
Primary eye	173 (85)	179 (88)	183 (90)	175 (87)	710 (87)
Fellow eye (n=105)	29 (88)	21 (84)	18 (82)	22 (85)	90 (85)
GLD >6000 um					
Primary eye	0	4 (2)	6 (3)	3 (1)	13 (2)
Fellow eye	2 (6)	2 (8)	0	0	4 (4)
Long standing CNV Fibrosis > 50%					
Primary eye	3 (1)	3 (1)	3 (1)	4 (2)	13 (2)
Fellow eye	1 (3)	1 (4)	0	0	2 (2)
Thick blood involving centre of fovea					
Primary eye	2 (1)	3 (1)	4 (2)	4 (2)	13 (2)
Fellow eye	0	0	0	0	0
Refraction > - 6DS (primary eye)					
Yes	2 (1)	1 (<0.5)	2 (1)	0	5 (1)
No	202 (99)	202 (99)	200 (99)	202 (100)	803 (99)
Missing	0	0	1 (<0.5)	0	1 (<0.5)
Considered primary eye					
Right	104 (51)	108 (53)	95 (47)	101 (50)	408 (50)
Left	100 (49)	95 (47)	108 (53)	101 (50)	404 (50)
Medical history					
Heart failure	18 (9)	15 (7)	15 (7)	12 (6)	60 (7)
Myocardial	20 (10)	20 (10)	17 (8)	14 (7)	71 (9)
History of angina	21 (10)	36 (18)	23 (11)	28 (14)	108 (13)
Any ocular history other than spectacles					
Yes	81 (40)	83 (41)	89 (44)	88 (44)	341 (42)
No	123 (60)	120 (59)	114 (56)	114 (56)	471 (58)
Current medication					
Diuretic	69 (34)	57 (28)	61 (30)	53 (26)	240 (30)
Beta-blocker	44 (22)	47 (23)	48 (24)	44 (22)	183 (23)
Statin	93 (46)	105 (52)	84 (41)	94 (47)	376 (46)
Anticoagulant	26 (13)	20 (10)	18 (9)	15 (7)	79 (10)
Aspirin	47 (23)	64 (32)	48 (24)	62 (31)	221 (27)
Ace inhibitors	50 (25)	61 (30)	59 (29)	54 (27)	224 (28)
Other anti-platelet therapy	8 (4)	8 (4)	8 (4)	6 (3)	30 (4)
<b>Visual acuity<sup>A</sup> at baseline (visit A)</b>					
Primary eye mean(sd)	56.1 (15.1)	56.2 (14.0)	56.7 (13.3)	56.0 (13.9)	56.3 (14.1)
Median (IQR)	60 (48, 67)	59 (50, 67)	60 (49, 67)	59 (48, 67)	59 (48, 67)
min, max	20, 83	8, 80	25, 89	16, 78	8, 89
n	200	199	201	199	799
Fellow eye mean (sd)	60.0 (12.7)	59.1 (14.9)	62.0 (12.2)	62.0 (10.1)	60.9 (12.5)
Median (IQR)	64.5 (56, 67.5)	63 (50, 69)	62 (53, 72)	62.5 (57, 69)	63 (55, 69)
min. max	27, 85	21, 79	36, 83	28, 78	21, 85
n	32	25	22	26	105
Primary Eye Distance visual acuity <sup>†</sup> :					
mean [SD]	58.7 [15.9]	58.3 [14.4]	59.4 [12.8]	58.3 [14.3]	58.7 [14.4]
median (IQR)	64 [49.5, 70]	60 [51, 70]	62 [50, 69]	63 [50, 70]	63 [50, 70]
Min, max	14, 83	14, 83	23, 86	18, 81	9, 86
n	200	199	201	199	799
Fellow Eye Distance visual acuity <sup>†</sup> :					
mean [SD]	62.3 [13.6]	60.8 [15.5]	64.1 [12.0]	64.9 [10.7]	63.0 [13.0]
median (IQR)	64.5 [57.5, 72.5]	65 [52, 72]	65 [55, 76]	68.5 [59, 71]	66 [58, 71]
Min, max	30, 84	25, 82	32, 82	27, 82	25, 84
n	32	25	22	26	105
Patients visual acuity dropped >=15 letters at visit B <sup>‡</sup>	1 (<0.5)	4 (2)	0	3 (8)	8 (1)

	Group L1 (n = 204)	Group S1 (n = 203)	Group L2 (n = 203)	Group S2 (n = 202)	Total (n = 812)
Patients visual acuity dropped $\geq 15$ letters at visit C <sup>2</sup>	1 (<0.5)	4 (2)	0	1 (<0.5)	6 (1)
<b>CV size (area)</b>					
<b>Primary eye mean(sd)</b>	2.4 (2.9)	2.5 (3.3)	2.4 (3.2)	2.2 (3.5)	2.4 (3.2)
<b>Median (IQR)</b>	1.3 (0.5, 3.1)	1.6 (0.7, 3.3)	1.4 (0.6, 2.6)	1.0 (0.6, 2.3)	1.4 (0.6, 3.0)
<b>min, max</b>	0.01, 15.6	0.07, 25.2	0.03, 20.3	0.07, 20.8	0.01, 25.2
<b>n</b>	94	72	77	75	318
<b><math>\leq 4</math></b>	78 (38)	58 (29)	65 (32)	66 (33)	267 (33)
<b><math>&gt; 4</math></b>	16 (8)	14 (7)	12 (6)	9 (4)	51 (6)
<b>Missing</b>	110 (54)	131 (65)	126 (62)	127 (63)	494 (61)
<b>Fellow eye mean (sd)</b>	0.1 (0.2)	6.8 (6.9)	1.5 (0.07)	2.5 (2.9)	2.9 (4.3)
<b>Median (IQR)</b>	0.06 (0.02, 0.25)	5.6 (1.2, 12.5)	1.5 (1.4, 1.5)	1.2 (1.0, 3.2)	1.2 (0.5, 2.4)
<b>Min, max</b>	0.02, 0.4	0.8, 15.3	1.4, 1.5	0.5, 8.2	0.02, 15.3
<b>n</b>	4	4	2	6	16
<b><math>\leq 4</math></b>	4 (12)	2 (8)	2 (9)	5 (19)	13 (12)
<b><math>&gt; 4</math></b>	0 (0)	2 (8)	0 (0)	1 (4)	3 (3)
<b>Missing</b>	29 (88)	21 (84)	20 (91)	20 (77)	90 (85)
<b>Lesion composition</b>					
<b>Primary eye Classic CNV: No</b>	91 (45)	104 (51)	99 (49)	103 (51)	397 (49)
<b>Yes</b>	94 (46)	72 (35)	77 (38)	75 (37)	318 (39)
<b>Missing</b>	19 (9)	27 (13)	27 (13)	24 (12)	97 (12)
<b>Occult: No</b>	55 (27)	51 (25)	49 (24)	46 (23)	201 (25)
<b>Yes</b>	132 (65)	125 (62)	128 (63)	131 (65)	516 (64)
<b>Missing</b>	17 (8)	27 (13)	26 (13)	25 (12)	95 (12)
<b>Classic CNV, no occult</b>	55 (37)	51 (25)	48 (24)	46 (23)	200 (25)
<b>Classic CNV and occult</b>	39 (19)	19 (9)	29 (14)	27 (13)	114 (14)
<b>No classic CNV, occult</b>	91 (45)	104 (51)	98 (48)	103 (51)	396 (49)
<b>Missing</b>	19 (9)	29 (14)	28 (14)	26 (13)	102 (13)
<b>Fellow eye Classic CNV: No</b>	9 (27)	7 (28)	9 (41)	8 (31)	33 (31)
<b>Yes</b>	4 (12)	4 (16)	2 (9)	6 (23)	16 (15)
<b>Missing</b>	20 (61)	14 (56)	11 (50)	12 (46)	57 (54)
<b>Occult: No</b>	2 (6)	2 (8)	1 (5)	5 (19)	10 (9)
<b>Yes</b>	11 (33)	9 (36)	10 (45)	9 (35)	39 (37)
<b>Missing</b>	20 (61)	12 (46)	11 (50)	12 (46)	57 (54)
<b>Classic CNV, no occult</b>	2 (6)	2 (8)	1 (5)	5 (19)	10 (9)
<b>Classic CNV and occult</b>	2 (6)	2 (8)	1 (5)	1 (4)	6 (6)
<b>No classic CNV, occult</b>	9 (27)	7 (28)	9 (41)	8 (31)	33 (31)
<b>Missing</b>	20 (61)	14 (56)	11 (50)	12 (46)	57 (54)
<b>Lesion subtype</b>					
<b>Primary eye: Classic CNV</b>	55 (27)	53 (26)	48 (24)	48 (24)	204 (25)
<b>FPED</b>	108 (53)	106 (52)	107 (53)	108 (54)	429 (53)
<b>SPED</b>	12 (6)	6 (3)	8 (4)	13 (6)	39 (5)
<b>LLIO</b>	2 (1)	1 (0.5)	0 (0)	0 (0)	3 (<0.5)
<b>RAP</b>	10 (5)	12 (6)	13 (6)	10 (5)	45 (5)
<b>Missing</b>	17 (8)	25 (12)	27 (13)	23 (11)	92 (11)
<b>Fellow eye: Classic CNV</b>	2 (6)	2 (8)	1 (5)	5 (19)	10 (9)
<b>FPED</b>	9 (27)	7 (28)	10 (45)	7 (27)	33 (31)
<b>SPED</b>	0 (0)	0 (0)	0 (0)	1 (4)	1 (1)
<b>LLIO</b>	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<b>RAP</b>	2 (6)	2 (8)	0 (0)	1 (4)	5 (5)
<b>Missing</b>	20 (61)	14 (56)	11 (50)	12 (46)	57 (54)
<b>Structural damage</b>					
<b>Primary eye No</b>	145 (71)	142 (70)	148 (73)	148 (73)	583 (72)
<b>Yes</b>	43 (21)	42 (21)	30 (15)	35 (17)	150 (18)
<b>Missing</b>	16 (8)	19 (9)	25 (12)	19 (9)	79 (10)
<b>Fellow eye No</b>	9 (27)	9 (36)	6 (27)	12 (46)	36 (34)
<b>Yes</b>	6 (18)	2 (8)	5 (23)	2 (8)	15 (14)
<b>Missing</b>	18 (55)	14 (56)	11 (50)	12 (46)	55 (52)

	<b>Group L1 (n = 204)</b>	<b>Group S1 (n = 203)</b>	<b>Group L2 (n = 203)</b>	<b>Group S2 (n = 202)</b>	<b>Total (n = 812)</b>
<b>Disease activity</b>					
<b>Primary eye</b>					
No	20 (10)	23 (11)	19 (9)	22 (11)	84 (10)
Yes	169 (83)	160 (79)	156 (77)	157 (78)	642 (79)
Missing	15 (7)	20 (10)	28 (14)	23 (11)	86 (11)
<b>Fellow eye</b>					
No	1 (3)	1 (4)	0 (0)	3 (12)	5 (5)
Yes	13 (39)	9 (36)	11 (50)	11 (42)	44 (42)
Missing	19 (58)	15 (60)	11 (50)	12 (46)	57 (54)
<b>Diagnosis of CNV</b>					
<b>Primary eye</b>					
No	5 (2)	7 (3)	3 (1)	5 (2)	20 (2)
Yes	185 (91)	177 (87)	176 (87)	178 (88)	716 (88)
Missing	14 (7)	19 (9)	24 (12)	19 (9)	76 (9)
<b>Fellow eye</b>					
No	2 (6)	0 (0)	0 (0)	0 (0)	2 (2)
Yes	13 (39)	11 (44)	11 (50)	14 (54)	49 (46)
Missing	18 (55)	14 (56)	11 (50)	12 (46)	55 (52)

\*All data are n (%) unless otherwise indicated.

<sup>†</sup>mean of visual acuity at loading dose visit A, B and C

<sup>‡</sup> Number of participants included in the table that satisfy the criteria, but did not exit when reaching event = four (due to different criteria in earlier version of protocol - changed 22 Sept 2011); two at visit B and two at visit C.

Treatment key: L1 = low dose, once a month schedule; S1 = standard dose, once a month schedule; L2 = low dose, bi-monthly schedule; S2 = standard dose, bi-monthly schedule

**SUPPLEMENTARY TABLE 2: Total number of injections per primary eye, time in trial, and between visit duration**

	<b>Group L1 (n = 204)</b>	<b>Group S1 (n = 203)</b>	<b>Group L2 (n =203)</b>	<b>Group S2 (n =202)</b>	<b>Total (n =812)</b>
<b>Number of Injections*</b>					
<b>Mean (SD)</b>	8.6 (6.7)	8.9 (7.6)	7.0 (4.5)	6.8 (4.9)	7.8 (6.1)
<b>Median (IQR)</b>	6 (4, 11)	6 (4, 12)	6 (4, 9)	5 (3, 8)	6 (4, 10)
<b>Min, max</b>	1, 37	1, 47	2, 29	1, 33	1, 47
<b>Time in trial (months)</b>					
<b>Mean (SD)</b>	47.6 (29.5)	50.2 (35.8)	45.4 (29.5)	48.2 (32.4)	47.9 (31.9)
<b>Median (IQR)</b>	38.2 (24.3, 68.8)	38.5(22.2, 75.3)	36.2 (24.2, 62.3)	40 (23.9, 66.8)	38.2 (23.3, 68.0)
<b>Min, max</b>	0.1, 133.4	2.3, 165.7	8.9, 164.5	0.1, 172.7	0.1, 172.7
<b>Time between visits (days)</b>					
<b>Mean (SD)</b>	35.9 (5.5)	35.5 (4.2)	52.6 (6.9)	53.5 (7.4)	44.4 (10.6)
<b>Median (IQR)</b>	35.2 (33.5, 38.3)	35 (33.1, 37.6)	53.7 (49, 57.8)	53.9 (50, 58)	42 (35, 53.9)
<b>Min, max</b>	23.3, 87.5	17.5, 54.4	28, 79.3	28, 77	17.5, 87.5
<b>n</b>	199	200	201	200	800

\* All participants should receive three loading doses, before the maintenance phase

Treatment key: L1 = low dose, once a month schedule; S1 = standard dose, once a month schedule; L2 = low dose, bi-monthly schedule; S2 = standard dose, bi-monthly schedule

**SUPPLEMENTARY TABLE 3: Adverse Events and Serious Adverse Events**

	<b>Group L1 (n=204)</b>	<b>Group S1 (n=203)</b>	<b>Group L2 (n=203)</b>	<b>Group S2 (n=202)</b>
<b>Number of participants reporting adverse event from first dose of trial treatment – 10 most frequent</b>				
<b>Event category (preferred term)</b>	No. (%)	No. (%)	No. (%)	No. (%)
<b>Fall</b>	35 (17.2)	43 (21.2)	28 (13.8)	29 (14.4)
<b>Lower respiratory tract infection</b>	28 (13.7)	25 (12)	27 (13.3)	26 (12.9)
<b>Injection site reaction<sup>†</sup></b>	20 (9.8)	24 (11.8)	12 (5.9)	12 (5.9)
<b>Visual acuity reduced<sup>†</sup></b>	23 (11.3)	18 (8.9)	13 (6.4)	13 (6.4)
<b>Conjunctival haemorrhage<sup>†</sup></b>	18 (8.8)	17 (8.4)	12 (5.9)	10 (5.0)
<b>Eye pain<sup>†</sup></b>	12 (5.9)	13 (6.4)	13 (6.4)	10 (5.0)
<b>Urinary tract infection</b>	12 (5.9)	16 (7.9)	10 (4.9)	10 (5.0)
<b>Headache</b>	9 (4.4)	20 (9.9)	11 (5.4)	8 (4.0)
<b>Dizziness</b>	8 (3.9)	15 (7.4)	10 (4.9)	11 (5.4)
<b>Nasopharyngitis</b>	11 (5.4)	15 (7.4)	9 (4.4)	5 (2.5)
<b>Number of adverse events from first dose of trial treatment – 10 most frequent<sup>‡</sup></b>				
<b>Fall</b>	56	66	34	53
<b>Lower respiratory tract infection</b>	36	37	36	46
<b>Injection site reaction</b>	24	30	14	12
<b>Visual acuity reduced</b>	25	18	16	16
<b>Urinary tract infection</b>	15	20	18	16
<b>Eye pain</b>	11	30	13	8
<b>Conjunctival haemorrhage</b>	19	17	12	10
<b>Headache</b>	15	16	14	12
<b>Dizziness</b>	12	17	11	13
<b>Nasopharyngitis</b>	13	22	11	5
<b>Number and type of serious adverse events</b>				
<b>SAE</b>	81	69	83	83



<b>SAR</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>4</b>
<b>SUSAR</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>1</b>
<b>TOTAL</b>	<b>88</b>	<b>76</b>	<b>83</b>	<b>88</b>

All data are n (%) unless otherwise indicated.

<sup>†</sup>Thought to be related to treatment

<sup>‡</sup> All data are n unless otherwise indicated.