H.6.2 Treatment in people presenting with visual acuity better than 6/12 or people presenting with visual acuity worse than 6/96

RQ10: What is the effectiveness of treatment of neovascular AMD in people presenting with visual acuity better than 6/12?

RQ25: What is the effectiveness of treatment of neovascular AMD in people presenting with visual acuity worse than 6/96?

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Number of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Sample size	Effect	Quality
Visual acuity at	t 1 year (visual a	acuity ≥ 6/12 vs	VA<6/12 to VA>6	6/96) (ETDRS le	tters; higher sco	res indicate be	tter vision)	
2 (Writing committee for the UK AMD EMR user group 2014, Ying 2013)	Cohort study	Serious ¹	Serious ³	Not serious	Not serious	11,914	MD 16.52 (13.41, 19.64)	LOW
Visual acuity at	t 1 year (visual a	acuity ≤6/96 vs \	VA<6/12 to VA>6	/96) (ETDRS let	tters; higher sco	res indicate bet	tter vision)	
1 (Writing committee for the UK AMD EMR user group 2014)	Cohort study	Serious ¹	N/A	Not serious	Not serious	8,888	MD -17.23 (-22.36, -12.10)	MODERATE
Change in visu	al acuity at 1 ye	ear (visual acuity	y ≥ 6/12 vs VA<6/	12 to VA>6/96)	(ETDRS letters;	higher scores	indicate better vis	sion)
3 (Writing committee for the UK AMD EMR user group 2014, William 2011, Ying 2013)	Cohort study	Serious ¹	Not serious	Not serious	Not serious	12,529	MD -6.34 (-7.33, -5.36)	MODERATE
Change in visu	al acuity at 1 ye	ear (visual acuity	y <6/96 vs VA<6/	12 letters to VA	≥6/96) (ETDRS I	etters; higher s	cores indicate be	tter vision)
1 (Writing	Cohort study	Serious ¹	N/A	Not serious	Not serious	8888	MD 13.99	MODERATE

		,			,			1
Number of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Sample size	Effect	Quality
committee for the UK AMD EMR user group 2014)							(10.39, 17.59)	
Change in visu scores indicate		onths (visual ac	cuity <6/96 vs VA	≥6/96) (Fang 20)13, vision thres	hold up to≥60 le	etters) (ETDRS le	tters; higher
2 (Fang 2013, Writing committee for the UK AMD EMR user group 2014)	Cohort study	Serious ¹	Not serious	Not serious	Not serious	9032	MD 7.77 (5.44, 10.10)	MODERATE
Change in visu	al acuity at 5 ye	ars (visual acui	ty ≥ 6/12 vs VA <	6/12 to VA≥6/6	0) (ETDRS letters	s; higher score	s indicate better v	vision)
1 (Zhu 2015)	Case series	Very serious ²	N/A	Not serious	Not serious	186	MD -11.75 (-18.98, -4.52)	LOW
Percentage of	people who lost	15 letters or me	ore at 1 year (vis	ual acuity ≥6/1	2 vs VA <6/12to \	/A >6/100 (23 le	etter)	
2 (Buckle 2014, El- Mollagyess 2013)	Prospective cohorts	Serious ¹	Serious ³	Not serious	Very serious ⁴	1389	RR 0.41 (0.04, 3.94)	VERY LOW
Percentage of p	people who lost	less than 15 le	tters at 1 year (vi	sual acuity ≥6/	12 vs VA <6/12to	VA ≥6/196)		
1 (William 2011)	Prospective cohort	Very serious ²	N/A	Not serious	Not serious	615	RR 10.01 (0.95, 1.08)	LOW
Percentage of p	people who gair	ned 15 letters or	more at 1 year (visual acuity≥6	6/12 vs VA<6/12)			
4 (El- Mollagyess 2013, Regillo 2015, William 2011, Ying	Prospective and retrospective cohorts	Serious ¹	Not serious	Not serious	Not serious	2310	RR 0.16 (0.12, 0.22)	MODERATE

Macular Degeneration

Appendix H: Grade tables and meta-analysis results

Number of studies	Design	Risk of bias	Inconsistency	Indirectness	Imprecision	Sample size	Effect	Quality
2013)								
Percentage of	people who gair	ned 15 letters or	more at 6 to 12	months (visual	acuity <20 letter	rs (6/120) vs VA	≥6/120 (20 letters)
2 (Fang 2013, Vogel 2016)	Prospective cohorts	Very serious ²	Not serious	Not serious	Serious ⁵	239	RR 1.44 (1.02, 2.01)	VERY LOW

- 1. Downgraded one level for non-randomised study design but large sample size included in the analysis.
- 2. Downgraded two levels for non-randomised study design.
- 3. Downgraded one level for inconsistency (i²>50%)
- 4. Downgraded two levels for confidence interval crossing 2 lines of a defined minimal important difference
- 5. Downgraded one level for confidence interval crossing 1 line of a defined minimal important difference Note: visual acuity 6/12 equivalents to 70 ETDRS letters, and 6/96 equivalents to 25 ETDRS letters.

Mean visual acuity at 1 year

	VA better than6/12			VA>6/96 to <6/12				Mean Difference	Mean Difference					
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI		IV, Ra	andom	ı, 95% CI		
Writing committee for the UK AMD EMR user Grou2014	71.83	55.42	2332	53.53	70.67	8477	44.5%	18.30 [15.59, 21.01]					-	
Ying 2013	77.7	13.9	397	62.6	14.4	708	55.5%	15.10 [13.37, 16.83]					•	
Total (95% CI)			2729			9185	100.0%	16.52 [13.41, 19.64]					•	
Heterogeneity: Tau 2 = 3.78; Chi 2 = 3.81, df = 1 (P = 0.05); F Test for overall effect Z = 10.39 (P < 0.00001)	= 74%								-20 V	-10 A6/12 and >8	6/96 V	10 /A better tha	20 an 6/12	

Change in visual acuity

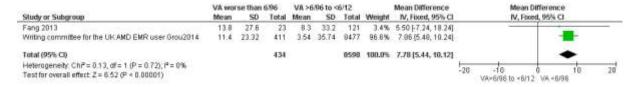
Change in visual acuity (letters) at 1 year

Study or Subgroup		VA better than 6/12				6/12		Mean Difference	Mean Diffe	rence
		SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	IV, Fixed, 95% CI	
William 2011	-0.5	4.79	88	6.43	16.84	527	31.5%	-5.93 [8.68, -5.18]	-	
Writing committee for the UK AMD EMR user Grou2014	-3.39	36.27	2332	3.11	33.33	8477	36.2%	-6.50 [-8.13, -4.87]	-	
ring 2013	3.7	13.9	397	9.3	14.4	709	32.3%	-5.60 [-7.33, -3.87]	-	
Otal (95% CI)			2817			9712	100,0%	-6,34 [-7.33, -5.36]	•	
Hoterogenety: Chi*= 1.17, df = 2 (P = 0.56); i*= 0%								-	10 15 0	5 10
Test for overall effect: Z = 12.65 (P < 0.00001)									VA+6/98 to <6/12 V	

Change in visual acuity at 6 months

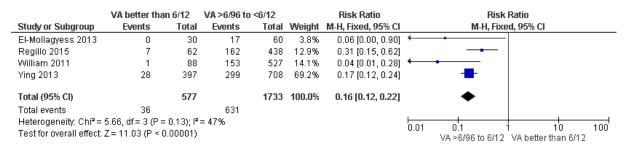
	VA wo	VA >6/96 to <6/12			Mean Difference			Mean Difference						
Study or Subgroup		SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	3	tv.	Fooed,	95% CI		
Fang 2013 Writing committee for the UK AMD EMR user Grou2014	13.8 11.4		23 411	8.3 3.54	33.2 35.74	121 8477		5.50 [-7.24, 18.24] 7.98 [5.49, 10.24]				4	-	
Total (95% CI) Heterogeneity: ChiP= 0.13, df= 1 (P = 0.72); i ² = 0%			434			8598	100.0%	7.78 [5.44, 10.12]	120	-10	-	*	10	20
Test for overall effect: Z = 6.52 (P < 0.00001)									-6.00	VA>6/96 to +	8/12:1	VA.+8/98	8	3.69

Change in visual acuity at 6 months



Percentage of people who gained ≥15 letter at 1 year

People with good baseline vision vs people with VA between 6/12 and 6/69



Appendix H: Grade tables and meta-analysis results

People with poor baseline vision vs people with baseline vision≥6/120 (20 letters)

