

H.6 Pharmacological management

H.6.1 Anti-angiogenic therapies and frequency of administration

RQ12: What is the effectiveness of different anti-angiogenic therapies (including photodynamic therapy) for the treatment of late age-related macular degeneration (wet active)?

RQ18: What is the effectiveness of different frequencies of administration of antiangiogenic therapies for the treatment of late age-related macular degeneration (wet active)?

The GRADE tables for pairwise meta-analyses in this section were produced by the Cochrane Eyes and Vision group, as part of a collaboration with the NICE Internal Clinical Guidelines Team.

H.6.1.1 Photodynamic therapy versus placebo

Outcomes	Illustrative comparative risks* (95% CI)		Relative effect (95% CI)	No of Participants (studies)	Quality of the evidence (GRADE)
	Corresponding risk	Assumed risk			
	Intervention (photodynamic therapy with verteporfin)	Control (photodynamic therapy with 5% dextrose in water)			
Loss of 3 or more lines (15 or more letter) visual acuity ETDRS at 24 months	487 per 1000 (445 to 536)	609 per 1000	RR 0.8, 0.73 to 0.89	1381 (4 studies)	⊕⊕⊕⊖ Moderate ¹
Loss of 6 or more lines (30 or more letter) visual acuity ETDRS at 24 months	220 per 1000 (176 to 276)	333 per 1000	RR 0.66, 0.55 to 0.78	1381 (4 studies)	⊕⊕⊕⊕ High
Gain of 3 or more lines (15 or more	80 per 1000	36 per 1000	RR 2.59,	941	⊕⊕⊕⊕

Macular Degeneration

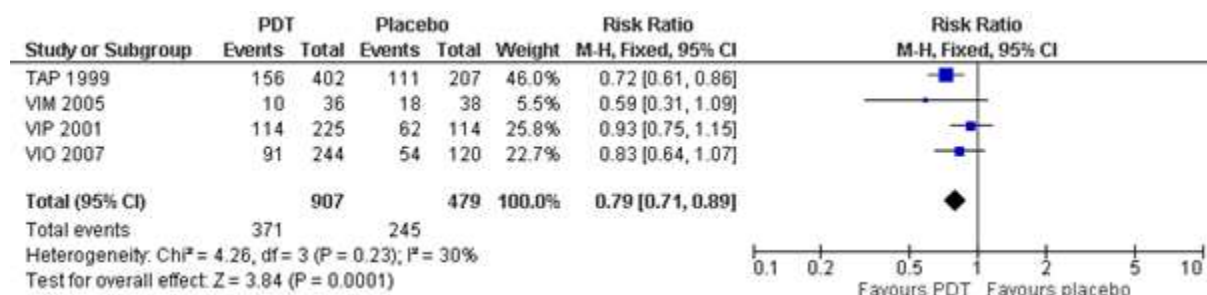
Appendix H: Grade tables and meta-analysis results

letter) visual acuity ETDRS at 24 months	(43 to 151)		1.33 to 5.06	(3 studies)	High
Adverse effects: acute severe visual acuity decrease (follow-up: 7 days)	11 per 1000 (3 to 48)	3 per 1000	RR 3.75 0.87 to 16.12	1075 (3 studies)	⊕⊕⊕⊖ Moderate ¹
Adverse effects: visual disturbance	270 per 1000	170 per 1000	RR 1.56 1.21 to 2.01	1075 (3 studies)	⊕⊕⊕⊖ Moderate ¹
Adverse effects: injection site	120 per 1000	60 per 1000	RR 1.36 0.50 to 3.71	1075 (3 studies)	⊕⊖⊖⊖ Very low ²
Adverse effects: infusion-related back pain	20 per 1000 (6 to 70)	2 per 1000	RR 9.93 (2.82 to 35.02)	1439 (4 studies)	⊕⊕⊕⊕ High ³
Adverse effects: allergic reactions	17 per 1000	19 per 1000	RR 0.94 (0.35 to 2.51)	948 (2 studies)	⊕⊕⊖⊖ Low ⁴
Adverse effects: photosensitivity reactions	24 per 1000	3 per 1000	RR 2.73 (0.08 to 97.96)	948 (2 studies)	⊕⊖⊖⊖ Very low ²
<p>*The basis for the assumed risk is based on the assumed risk in the comparison group and the relative effect of the intervention (and its 95%CI)</p> <ol style="list-style-type: none"> 1. Downgrade one level of imprecision: 95%CI of the estimated effect across 1 line of defined minimal important difference. 2. Downgrade one level of heterogeneity ($i^2 \geq 50\%$), and downgrade two levels of imprecision (wide confidence interval) 3. Not downgraded for imprecision: confidence interval wide however do not include 1 (no effect) 4. Downgrade two levels of serious imprecision. 					

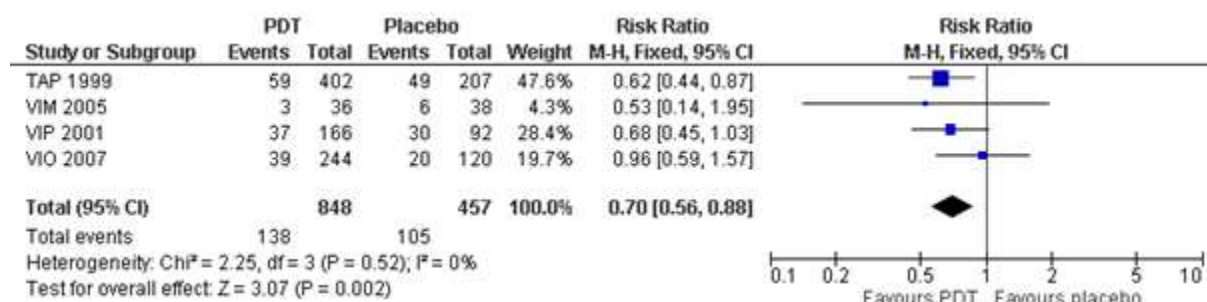
Visual acuity

One year

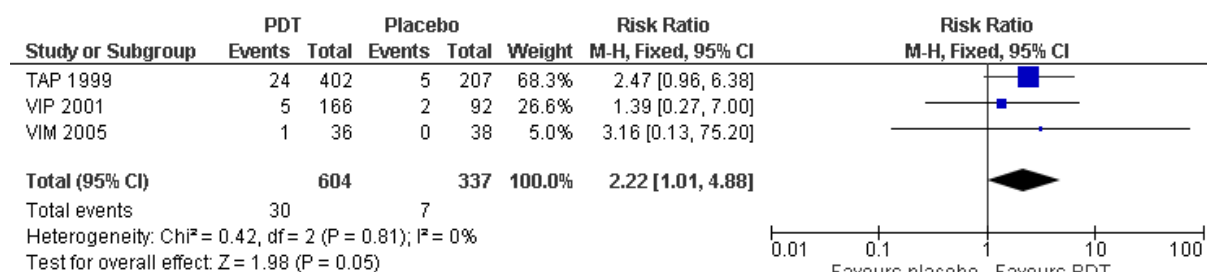
Visual acuity (loss of 3 or more lines ETDRS)



Visual acuity (loss of 6 or more lines ETDRS)

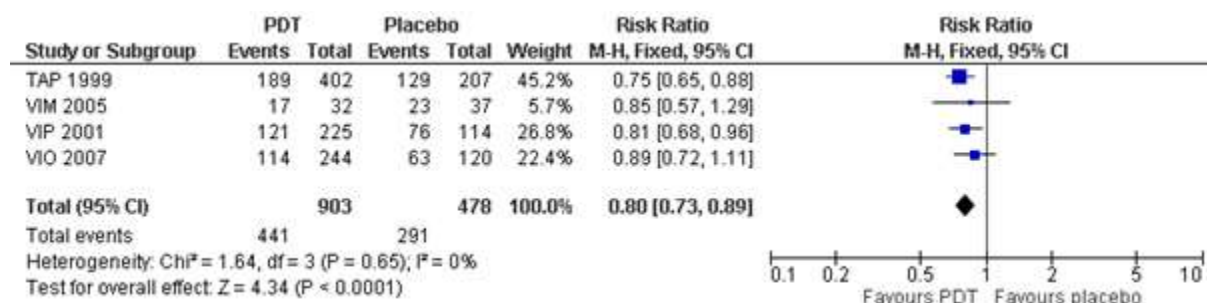


Visual acuity (gain of 3 or more line (15 or more letters) of visual acuity)

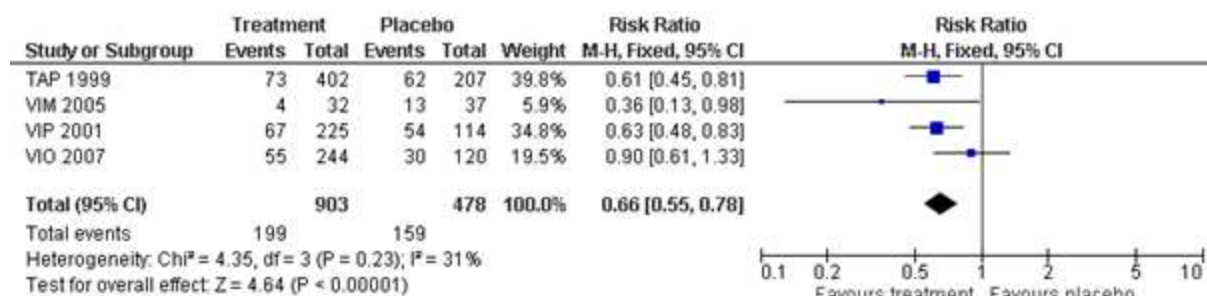


Two years

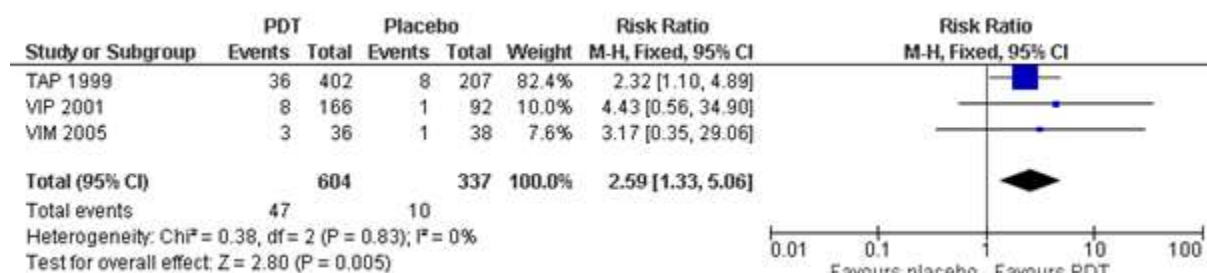
Visual acuity (loss of 3 or more line ETDRS)



Visual acuity (loss of 6 or more lines ETDRS)

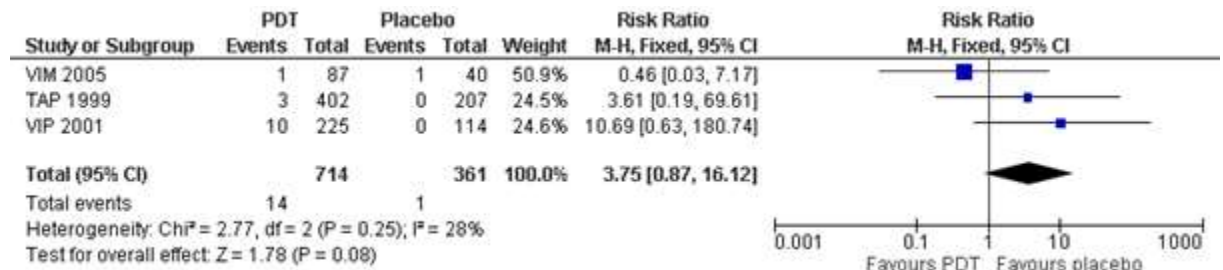


Visual acuity (gain of 3 or more lines ETDRS)

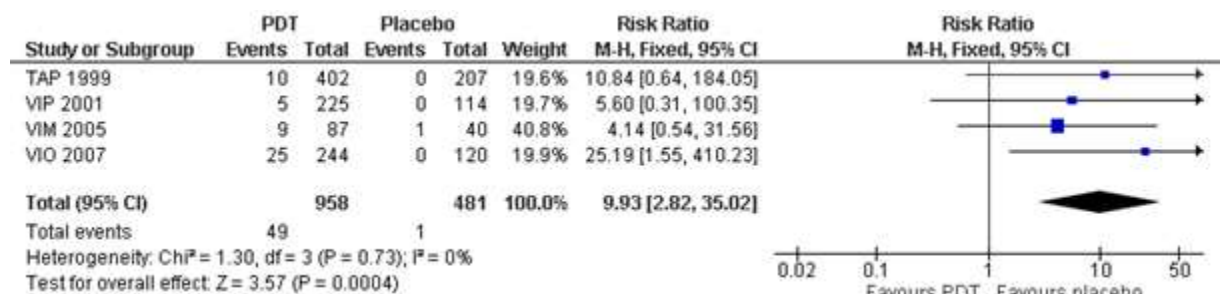


Adverse effects

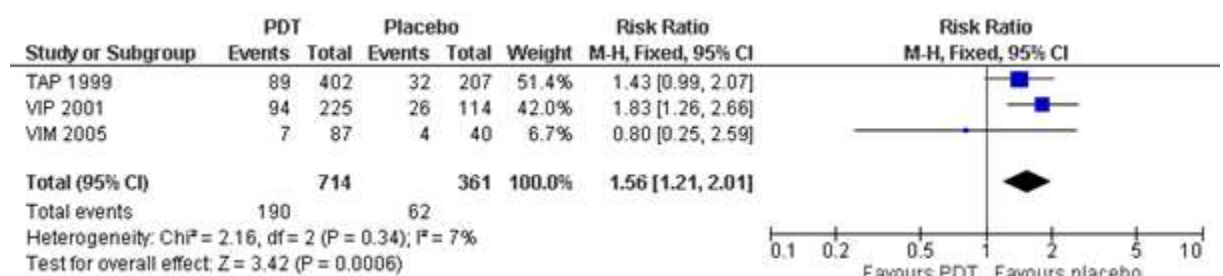
Acute severe visual acuity decrease



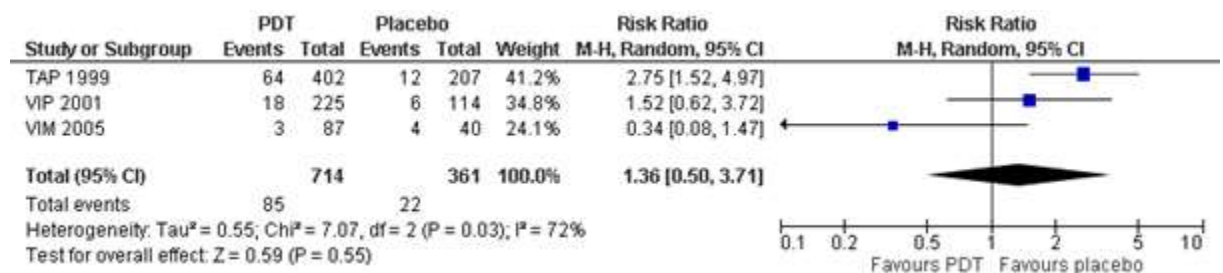
Infusion-related back pain



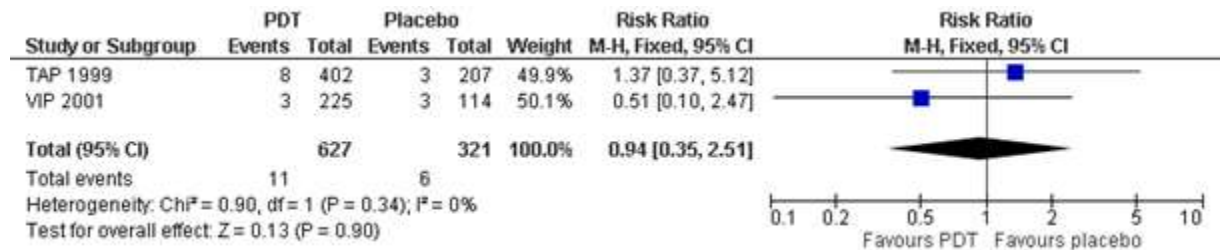
Visual disturbance



Injection site



Allergic reactions



Photosensitivity reactions

