

Supplementary information file

Appendix I

Database search strategy

vitreous haemorrhage
OR diabetic vitreous haemorrhage
OR proliferative diabetic retinopathy
AND Vitrectomy
OR lenercept
AND effect
OR visual outcome
OR visual acuity
AND (
EXCLUDE (EXACTKEYWORD,"Diabetic Retinopathy")
OR EXCLUDE (EXACTKEYWORD,"Ranibizumab")
OR EXCLUDE (EXACTKEYWORD,"Epiretinal Membrane")
OR EXCLUDE (EXACTKEYWORD,"Cataract Extraction")
OR EXCLUDE (EXACTKEYWORD,"Triamcinolone Acetonide")
OR EXCLUDE (EXACTKEYWORD,"Endophthalmitis")
OR EXCLUDE (EXACTKEYWORD,"Phacoemulsification")
OR EXCLUDE (EXACTKEYWORD,"Vitreo-retinopathy")
OR EXCLUDE (EXACTKEYWORD,"Silicone Oil")
OR EXCLUDE (EXACTKEYWORD,"Ciliary Disk")
OR EXCLUDE (EXACTKEYWORD,"Retina Macula Hole")
OR EXCLUDE (EXACTKEYWORD,"Surgical Technique")
OR EXCLUDE (EXACTKEYWORD,"Neovascular Glaucoma")
OR EXCLUDE (EXACTKEYWORD,"Vasculotropin A")
OR EXCLUDE (EXACTKEYWORD,"Non Insulin Dependent Diabetes Mellitus")
OR EXCLUDE (EXACTKEYWORD,"Retina Vein Occlusion")
OR EXCLUDE (EXACTKEYWORD,"Triamcinolone")
OR EXCLUDE (EXACTKEYWORD,"Vasculotropin Inhibitor")
OR EXCLUDE (EXACTKEYWORD,"Metabolism")
OR EXCLUDE (EXACTKEYWORD,"Pegaptanib")
OR EXCLUDE (EXACTKEYWORD,"Lens Implantation")
OR EXCLUDE (EXACTKEYWORD,"Retina Macula Age Related Degeneration")
OR EXCLUDE (EXACTKEYWORD,"Low Level Laser Therapy")
OR EXCLUDE (EXACTKEYWORD,"Retinal Perforations")
OR EXCLUDE (EXACTKEYWORD,"Insulin Dependent Diabetes Mellitus")
OR EXCLUDE (EXACTKEYWORD,"Lens Implant")
OR EXCLUDE (EXACTKEYWORD,"Hemoglobin A1c")
OR EXCLUDE (EXACTKEYWORD,"Pathogenesis")
OR EXCLUDE (EXACTKEYWORD,"Inflammation")
OR EXCLUDE (EXACTKEYWORD,"Silicone Oils")
OR EXCLUDE (EXACTKEYWORD,"Fluocinolone Acetonide")
)
AND (
LIMIT-TO (EXACTKEYWORD,"Vitrectomy")
OR LIMIT-TO (EXACTKEYWORD,"Pars Plana Vitrectomy")
OR LIMIT-TO (EXACTKEYWORD,"Randomized Controlled Trial")
OR LIMIT-TO (EXACTKEYWORD,"Clinical Trial")
OR LIMIT-TO (EXACTKEYWORD,"Aflibercept")
)
AND (
LIMIT-TO (LANGUAGE,"English")
)

AND (
 EXCLUDE (EXACTKEYWORD,"Bevacizumab")
 OR EXCLUDE (EXACTKEYWORD,"Quality Of Life")
 OR EXCLUDE (EXACTKEYWORD,"Retina Vasculitis")
 OR EXCLUDE (EXACTKEYWORD,"Review")
)
 AND (
 EXCLUDE (EXACTKEYWORD,"Retina Detachment")
 OR EXCLUDE (EXACTKEYWORD,"Retrospective Study")
 OR EXCLUDE (EXACTKEYWORD,"Vitreous Body")
 OR EXCLUDE (EXACTKEYWORD,"Ophthalmoscopy")
 OR EXCLUDE (EXACTKEYWORD,"Pathophysiology")
 OR EXCLUDE (EXACTKEYWORD,"Cohort Analysis")
 OR EXCLUDE (EXACTKEYWORD,"Sulfur Hexafluoride")
)
 AND (
 EXCLUDE (EXACTKEYWORD,"Internal Limiting Membrane")
 OR EXCLUDE (EXACTKEYWORD,"Retinal Detachment")
 OR EXCLUDE (EXACTKEYWORD,"Rhegmatogenous Retinal Detachment")
)

Appendix II

Cochrane Collaboration tool was used to assess the risk of bias

Antos zyk AN 2020		High risk of bias	Low risk of bias	Uncl ear risk of bias	Comment
	Random sequence generation		Yes		Computer generated sequence, therefore likely low risk of bias
	Allocation concealm ent	Yes			Study coordinator assigned the patients to study groups, whose role is not clear
	Blinding of participant s and personnel	Yes			Only visual acuity technicians were masked to the treatment allocation and the investigators and participants were not, which has high risk of bias
	Blinding of outcome assessme nt		Yes		A medical monitor, who was masked to treatment allocation coded all adverse events
	Incomplet e outcome data		Yes		All the outcome measures are reported, including incomplete data set
	Selective reporting		Yes		Selective reporting is not evident
	Other bias		Yes		No other risk of bias is obvious, no obvious role of funders was evident on data acquisition and data interpretation
AbdEl hamid		High risk	Low risk	Uncl ear	Comments

AH 2020		of bias	of bias	risk of bias	
	Random sequence generation	Yes			Eyes were randomly allocated into treatment groups by simple coin flip, however, there were 17 eyes in each group, which likely lead to high risk of bias. Possible confounding effect.
	Allocation concealment			Yes	Not mentioned on how the participants were allocated into treatment groups.
	Blinding of participants and personnel			Yes	Patient masking/investigator masking not mentioned
	Blinding of outcome assessment			Yes	No mention of blinding of outcome measures
	Incomplete outcome data	Yes			Complete data set not reported in the results, no mention of drop outs etc.
	Selective reporting		Yes		Selective reporting is not evident
	Other bias		Yes		No other risk of bias is obvious, Trial was retrospectively registered.