Supplementary Material

DISEASE	KEYWORDS TO INCLUDE	KEYWORDS TO EXCLUDE
Contact Lens Wearer	Contact Lens, Cells, Contact Lens Wear, Patient, ramdomly	Review, *in vitro* , animal, treatment
Corneal Graft Rejection	Cells, T cells, CD4, corneal graft, macrophages, CD8, corneal graft rejection, lymphocytes, dendritric cells, patient, controls, neutrophils, ocular surface, conjunctival, Treg cells, Th1 cells, Th17 cells, healthy controls, memory, Th2 cells, lacrimal	Review, *in vitro* , animal, treatment
Dry Eye	T cells, dry, dry eye, CD4+ T cells, Plasma cells, dendritic cells, T lymphocytes, Th1, macrophages, B lymphocytes, Neutrophils, DED, Th17 cells, CD8+ T cells, Th1 cells, Treg cells, Th2 cells, memory T cells, natural killer T cells, Innate lymphoid cells, gd T cells	Review, syndrome, Sjögren, SS, animal, treatment
Glaucoma	Glaucoma, cells, patients, macrophages, ocular, plasma, conjuctival, lymphocites, surface, T cells, Neutrophils, dendritic cells, CD4, CD8, Treg cells, Th2 cells, Th1 cells, lacrimal, autoinmune, Th17 cells, memory	Review, blood, animals, treatment
GvHD	Graft-versus-Host, cells, patients, T cells, eye, CD4, CD8, Lymphocytes, lacrimal, dendritic cells, ocular surface macrophages, plasma cells, neutrophils, Th17 cells, Treg cells, Th1 cells, Th2 cells	Review, treatment, skin, bone, animal, blood, cancer
Scletitis	Scleritis, cells, lymphocytes, dendritic, neutrophils	Review, blood, animal, treatment
Keratits	keratitis, cells, neutrophils, CD8, lymphocytes, ocular surface, dendritic cells, Th1 cells, memory, Th17 cells, lacrimal, Treg cells, Th2	Review, blood, animal, treatment
Sjögren's syndrome	Syndrome, Sjögren's syndrome, cell, patient, SS, T cells, Lymphocytes, CD4, controls, plasma, lacrimal, plasma cells, CD+, surface, dendritic, Th17, macrophages, Th1, eye, memory, Th2, ocular, neutrophils, Treg, conjunctiva	Review, salivary, blood, treatment, labial, peripheral blood mononuclear, mouth, lip

Table 1S. Keywords used to filter the records identified through database searching in order to obtain the final studies to perform the meta-analysis.

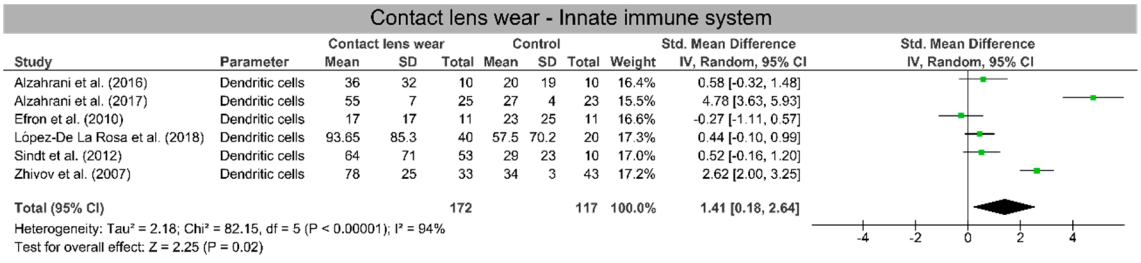

Figure 1S. Meta-Analysis results for contact lens wearers. Only innate immune system is shown, because no adaptive immune cells were found.

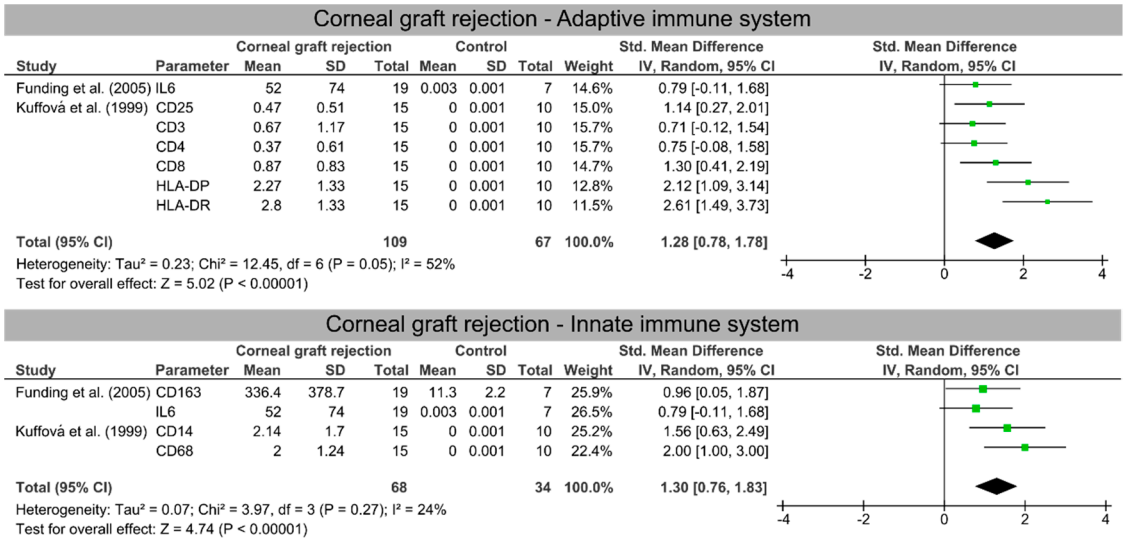

Figure 2S. Meta-Analysis results for corneal graft rejection

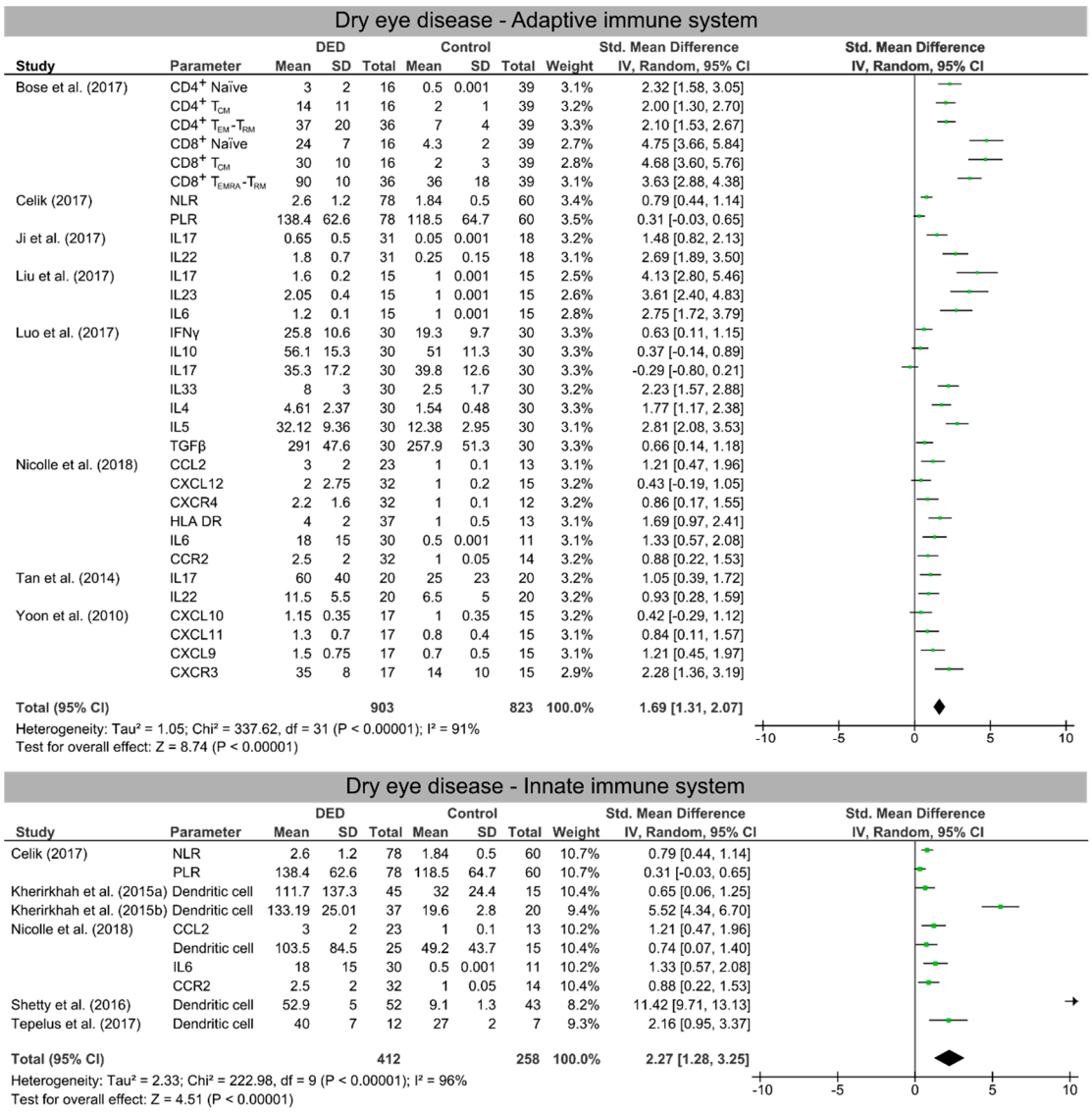

Figure 3S. Meta-analysis for Dry Eye Disease

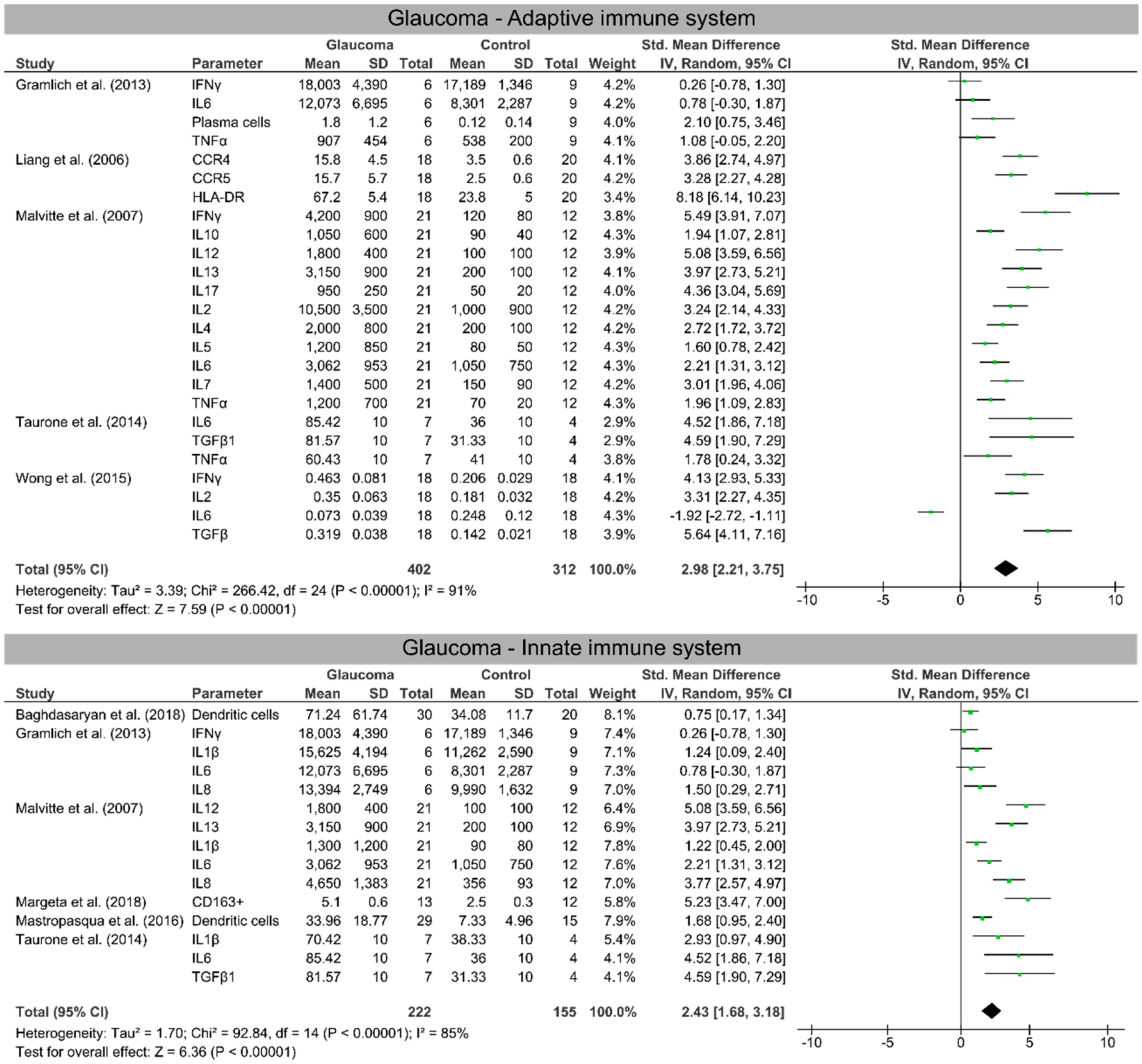

Figure 4S. Meta-analysis for Glaucoma

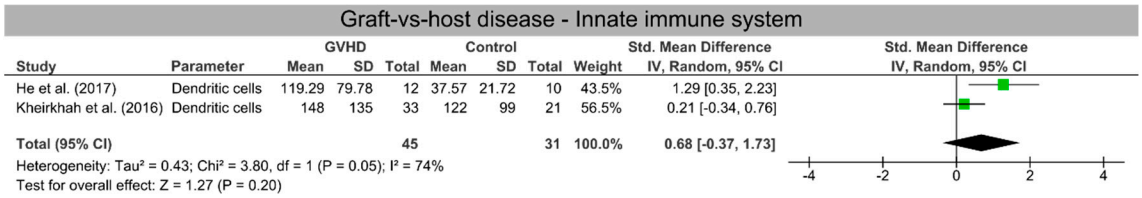

Figure 5S. Meta-analysis for Graft vs Host Disease. Only innate immune system is shown, because no adaptive immune cells were found.

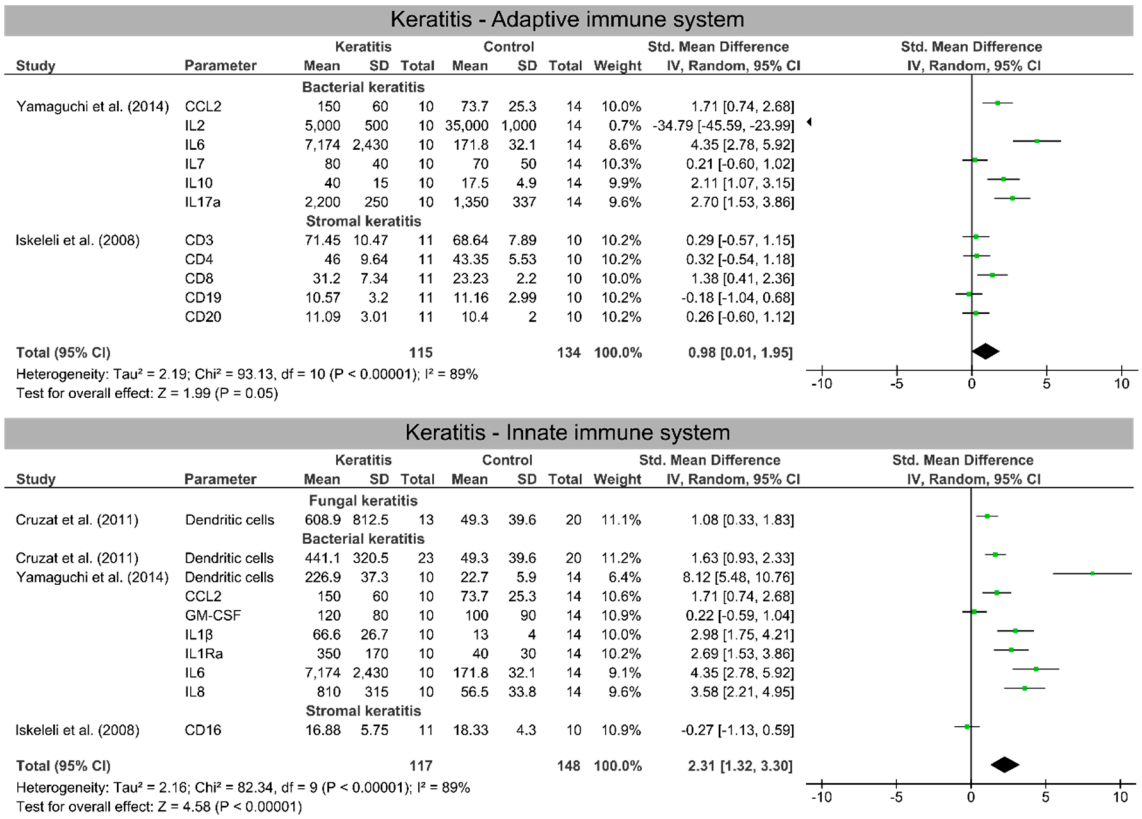

Figure 6S. Meta-analysis for Keratitis

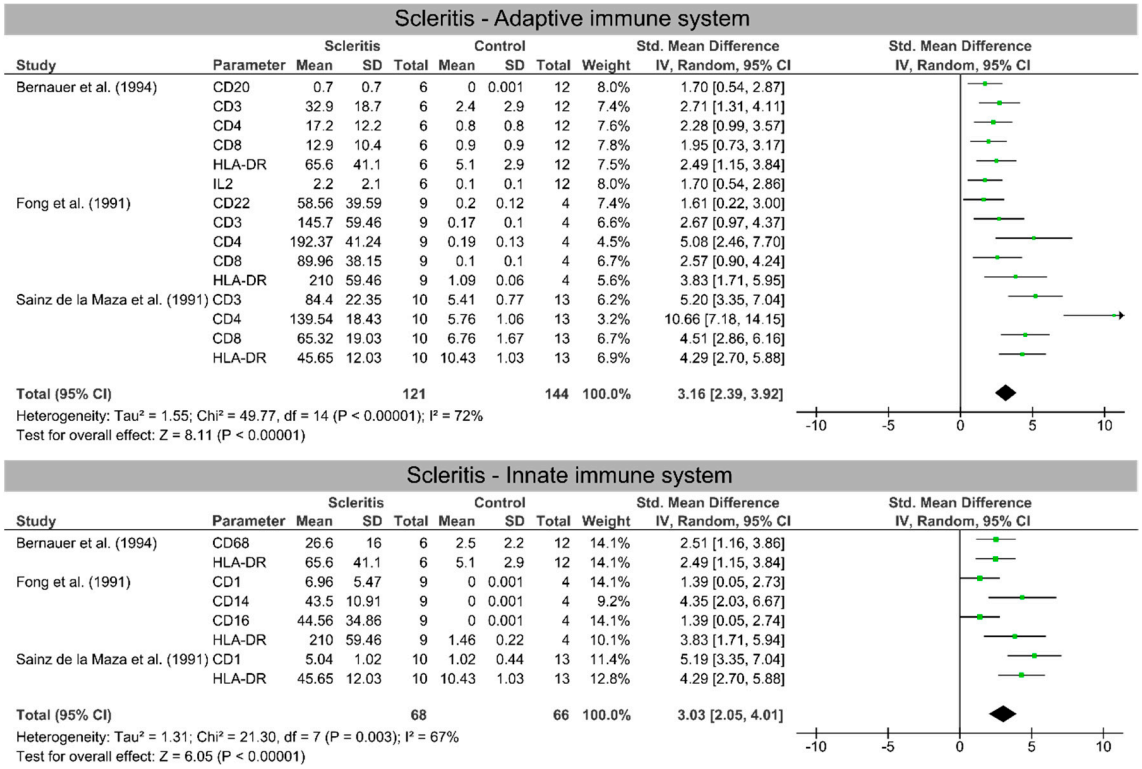

Figure 7S. Meta-analysis for Scleritis

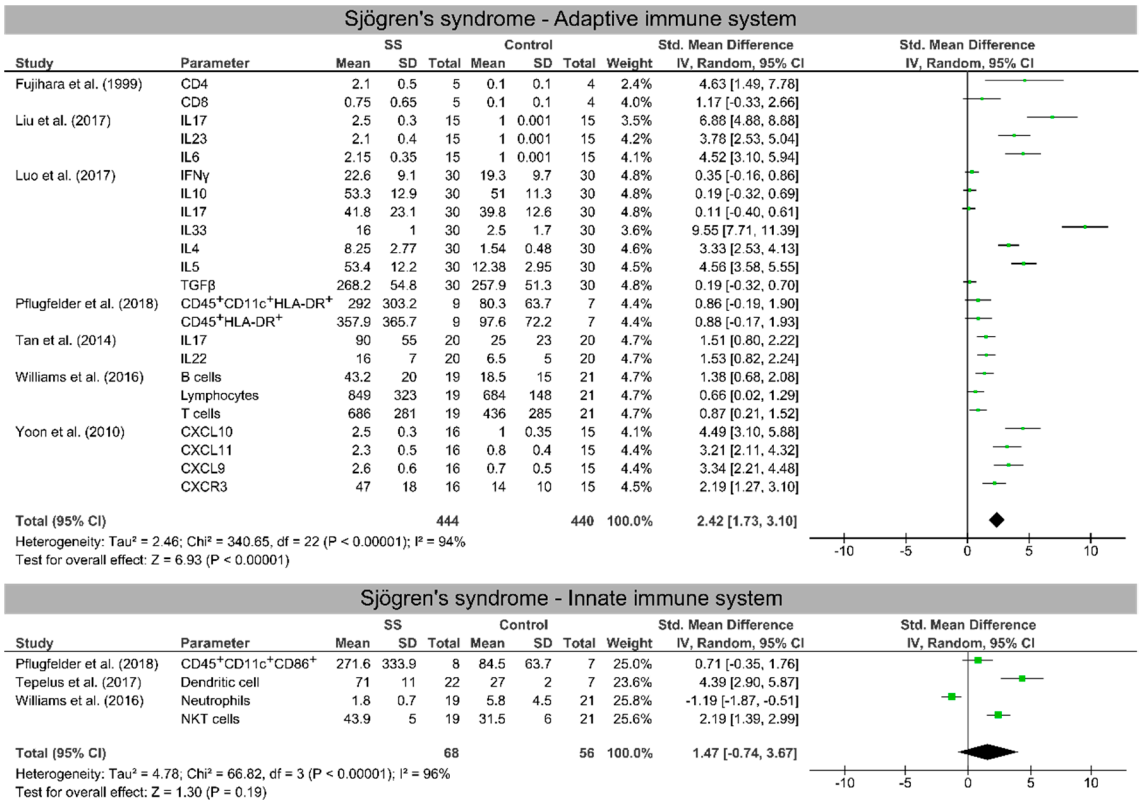

Figure 8S. Meta-analysis for Sjögren's Syndrome