

Clinical outcomes in cytomegalovirus-positive posner-schlossman syndrome patients treated with topical ganciclovir therapy

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PURPOSE: To evaluate the clinical characteristics and therapeutic outcomes of cytomegalovirus (CMV) -positive Posner-Schlossman syndrome patients undergoing topical ganciclovir treatment.

DESIGN: Retrospective, comparative, and interventional case series.

METHODS: One eye of each of 126 consecutive Posner-Schlossman syndrome patients was investigated using aqueous polymerase chain reaction (PCR) between January 2006 and June 2013. The initial presentations and follow-up data of the CMV-positive patients (68 eyes) and CMV-negative patients (58 eyes) were compared.

RESULTS: Severe endothelial cell loss (P CONCLUSION: Ganciclovir treatment was effective for clearing the viral load, assisting the IOP control, and preserving the corneal endothelium of CMV-positive Posner-Schlossman syndrome patients. Early diagnosis and proper treatment could decrease the risk of advanced glaucoma and avoid glaucoma surgery in long-lasting cases.

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