

KSN 2016 Abstract Submission

Clinical Nephrology

KSN2016ABS-1449

Case of Vision loss due to acute angle closure glaucoma after kidney transplantation

Hae Ri Kim*, Won Jung Choi, Hong Jae Jeon, Young Rok Ham, Dae Eun Choi, Ki Ryang Na, Kang Wook Lee

Background: Glaucoma is optic neuropathy that can cause optic nerve damage and visual field loss. In kidney transplantation(KT), only few patient suffered from glaucoma. Although some studies reported that 12.5-20% of KT patient showed increased intraocular pressure, only a few patients diagnosed glaucoma. Although it is rare, glaucoma showed critical problem, including blindness. Ticho et al. reported that glaucoma after KT, resulting in visual field loss and disk cupping, blindness. We reported a case of glaucoma after KT, resulting in progression to visual loss.

Methods: medical record review

Results: Case: 65-year-old woman visited our hospital for cadaver donor kidney transplantation. 17 years ago, She was diagnosed of mesangial proliferative glomerulonephritis. 11 years ago, She loss the function of kidney. And Peritoneal dialysis was started and follow up was done since then.

On admission day, cadaver KT was done. Immunosuppressants were mycophenolate, Tacrolimus and Prednisolone. 5th admission day, she complained blurred vision, but blurred vision was subsided soon. 14th admission day, she complained of left eye pain, and consulted to department of ophthalmology. She was diagnosed of acute closed-angle glaucoma, optic nerve damage and vitreous hemorrhage. Despite of medical therapy, 15th admission day, decreased vision was observed. Emergency iridotomy was done. The intraocular pressure of left eye was decreased and also, left eye pain relieved. However, the decreased vision (LS(-)) was not improved.

Because the repeated pain of left eye, 23th admission day, Lt. post chamber lensectomy was done. 28th admission day, left eye pain occurred again. In suspicion of acute glaucoma attack, mannitol was administered and pain was subsided. However, decreased vision was not improved.

Conclusion: .

Keywords: angle closure glaucoma , kidney transplantation