

신이식 후 거대세포바이러스 감염과 동반하여 발생한 감염성 심내막염 1예

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A Case of Infective Endocarditis with CMV Infection after Kidney Transplantation

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Although advances in immunosuppressive therapy have led to increased survival of kidney transplant recipients, suppression of immune system after transplantation can lead to infectious complications. Cytomegalovirus (CMV) infection remains an important complication following kidney transplantation. Infective endocarditis is a rare but life threatening infection after renal transplantation. Coinfection of CMV and infective endocarditis has not been reported in Korea and very rare in worldwide. Here we report a case of infective endocarditis which developed in a patient with CMV infection after kidney transplantation. A 48-year-old man who received a kidney transplantation presented with chest discomfort and weight loss. We performed transthoracic echocardiography for evaluation of heart and it revealed prolapse of anterior mitral valve leaflet with chordae rupture. He showed evidences of CMV infection by polymerase chain reaction (PCR) assay. We treated with ganciclovir and performed open heart surgery. There are vegetations on anterior mitral valve leaflet with severe inflammation. To our knowledge, this is the first case of infective endocarditis coinfecting with CMV in Korea.

Key Words: 신이식, 거대세포바이러스, 심내막염

Kidney transplantation, Cytomegalovirus, Endocarditis