

# 28. ULUSAL PATOLOJİ KONGRESİ

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Patoloji  
Dernekleri  
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Derneği



## PL Sözel Sunum

### Nefropatoloji

#### PL058(1058)

### The influence of Polyomavirus infected glomerular cells on the development of glomerulopathy and the graft survival

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#### Introduction

The importance of SV-40 positive parietal cells in glomeruli is unknown. The aim of this study is two-fold; first to evaluate the relationship between histological findings such as the development of glomerulopathy (GP) with glomerular SV-40 expression, second to understand the impact of glomerular polyomavirus (GPV) involvement to the graft survival.

#### Material and Method

Total 71 PVN cases included into the study. All biopsies re-evaluated and follow-up biopsies examined for the development of interstitial fibrosis (IF) and GP. Interstitial neutrophil, plasma cells, CD3, CD4, CD8 positive lymphocytes, and macrophages graded. Clinical data retrieved from patients' records.

#### Results

The mean interval between PVN and transplant was 17±22 months. Glomerular SV40 was positive in 20 cases (28,2%). During follow-up 39 cases had proteinuria, but only 19 (26.7%) developed GP and 43 (60,6%) developed IF. The mean viral load in urine and plasma at diagnosis was higher in GVP(+) than that GVP(-) (p