

Table S1. Demographic and clinical characteristics of patients with renal transplantation according to CMV infection

	CMV n=107	CMV negative, n=180		p value
		positive, Only PCR n=49	tissue No CMV detection, n=131	
Age, year, mean±SD	43.9±11.9	46.5±11.1	45.1	0.404
Male, n (%)	54 (50.5)	28 (57.1)	83 (63.4)	0.135
Transplantation to EGD				0.001
≤ 100 days	78 (72.9)	20 (40.8)	77 (58.8)	
> 100 days	29 (27.1)	29 (59.2)	54 (41.2)	
Cause of ESRD, n (%)				0.154
CGN	70 (65.4)	22 (44.9)	72 (55)	
Diabetes mellitus	8 (7.5)	10 (20.4)	24 (18.3)	
IgA nephropathy	7 (6.5)	6 (12.2)	6 (4.6)	
Hypertension	15 (14)	3 (6.1)	14 (10.7)	
FSGS	1 (0.9)	2 (4.1)	6 (4.6)	
PKD	1 (0.9)	0	1 (0.8)	
SLE	2 (1.9)	2 (4.1)	2 (1.5)	
Chronic pyelonephritis	0	0	1 (0.8)	
Unknown	3 (2.8)	4 (8.2)	5 (3.8)	
CMV serostatus				0.039 ^a
D+/R-	3 (2.8)	1 (2)	0	
D+/R+	78 (72.9)	31 (63.3)	108 (82.4)	
D unknown/R+	26 (24.3)	17 (34.7)	23 (17.6)	
WBC, mean±SD	7022.2±2593.6	6217.5±2770.8	7113±2435.5	0.101

Hemoglobin, mean±SD	11.6±1.8	12.1±1.9	11.9±2.2	0.314
C-reactive protein, mean±SD ^b	0.7±1.1	1.9±3.9	0.9±1.7	0.148
Methods detecting CMV infection, n (%)				
Inclusion body	79 (73.8)	0	0	
IHC staining	105 (98.1)	0	0	
PCR tissue	102 (95.3)	49 (100)	0	

^a This value lost statistical significance when compared between CMV positive and CMV negative group (only PCR positive + no CMV detection group) (p=0.256).

^b C-reactive protein was analyzed in 82 patients (CMV positive in H&E or IHC 38, CMV only PCR positive 9, and CMV no detection 35).

SD, standard deviation; EGD, esophagogastroduodenoscopy; ESRD, end-stage renal disease; CGN, chronic glomerulonephritis; IgA, immunoglobulin A; FSGS, focal segmental glomerulosclerosis; PKD, polycystic kidney disease; SLE, systemic lupus erythematosus; CMV, cytomegalovirus; IHC, immunohistochemistry; PCR, polymerase chain reaction

Table S2. Endoscopic mucosal lesions of patients according to the methods of CMV detection (p<0.001)

	CMV positive, n=107	CMV negative, n=180		
		CMV tissue PCR positive only, n=49	No CMV detection, n=131	
Ulcer + erosion, n (%)	23 (21.5)	6 (12.2)	3 (2.3)	
Ulcer only, n (%)	12 (11.2)	3 (6.1)	5 (3.8)	
Erosion only, n (%)	66 (61.7)	37 (75.5)	52 (39.7)	
Hemorrhagic spots, n (%)	3 (2.8)	1 (2)	6 (4.6)	
No gross mucosal lesion for target biopsy, n (%)	3 (2.8)	2 (4.1)	65 (49.6)	