

Supplementary table 1: General characteristic of included patients

VARIABLES	AGE GROUP			EBV-STATUS		
	≤10 YEARS	>10 YEARS	p ^a	EBV+	EBV-	p
Age*	41(51%)	30 (38%)	-	2-16 (8) ^b	5-20 (12) ^b	0.0008 ^c
Gender						
Male	35(85%)	24(80%)	0.783	47(85%)	20 (81%)	0.774 ^a
Female	6(15%)	6 (20%)		8 (15%)	5(19%)	
Histological Subtype						
Nodular sclerosis	7 (18%)	12 (43%)	0.033	13 (28%)	14 (63%)	0.003 ^a
Mixed cellularity	26 (67%)	11 (39%)		33 (66%)	6(23%)	
Others (LR and LD) **	1 (15%)	2 (18%)		1 (6%)	2 (14%)	

EBV: Epstein-Barr virus. ^a p-value originated from Fisher's exact test. ^b Mean value. ^c p-value originated from Mann-Whitney test. When it is not specified, the numbers represent number of cases. * Age was not available in 9 cases. ** Histological subtype was not available in 11 cases. Histological subtypes were compared between MC and NS for Fisher's exact test.

Supplementary table 2: Mean values for +cells/mm2 are expressed in EBV+ and EBV- cases and in patients younger and older than 10 years.

VARIABLES		IL10+/mm2	TGFβ+/mm2	PD1+/mm2	PDL1+mic/mm2	PDL1+HRS/mm2
EBV STATUS	EBV+	52.3	63.2	62.6	171.3	7.5
	EBV-	41.1	46.1	50.4	116.5	2.4
AGE GROUPS	< 10 years	52.2	55.0	68.5	147.4	6.7
	> 10 years	48.5	63.7	49.2	149.5	5.5