































Can HTLV-I infection be treated? • At present there is no treatment to cure (eradicate) the infection. Since 95% of all infected persons go through life without developing any HTLV-I-associated diseases any such treatment would have to be not only effective but also very safe.



























Effect of class I HLA on outcome of HTLV-I infection

Table 1. Effect of class I HLA alleles

Class I HLA alleles HLA-A*02 and HLA-Cw*08 reduce both the risk of the inflammatory disease HAM/ TSP and the provirus load of HTLV-1 in Kagoshima, Japan. Data taken from Jeffery et al. (1999, 2000).

	Reduction of provirus asymptomatic HTLV-1	s load in I carriers	Risk of H	AM/TSP
Genotype	Provirus load* (N)	P^{\dagger}	Odds ratio	P ‡
$HLA-A*02^+$	16.8 (100)	0.014	0.43	<0.0001
$HLA-A*02^{-}$	50.1 (101)	0.046	0.42	0.002
HLA-Cw*08+	12.0 (43)			
HLA - Cw^*08^-	45.7 (159)			

*Median proviral copy number per 10⁴ PBMCs.

†Mann-Whitney two-tailed test (uncorrected).

 $\ddagger \chi^2$ with Yates' correction.

controls, HTLV-I carriers and HAM/TSP patients					
HLA-DRB1	Controls n=72	HAM/TSP n=36	HTLV-I Carriers n=34		
*01	8 (11.1%)	7 (19.4%)ª	1 (2.9%)ª		
*15	13 (18.1%)	6 (13.9%)	6 (17.6%)		
*16	6 (8.3%)	4 (11.1%)	1 (2.9%)		
*03	12 (16.7%)	2 (5.6%)	6 (17.6%)		
*04	19 (26.4%)	10 (27.8%)	7 (20.6%)		
*11	20 (27.8%)	11 (30.6%)	10 (29.4)		
*12	3 (4.2%)	0 (0%)	0 (0%)		
*13	23 (31.9%)	13 (36.1%)	11 (32.3%)		
*14	5 (6.9%)	1 (2.8%) ^b	6 (17.6%) ^b		
*07	11 (15.3%)	8 (22.2%)	5 (14.7%)		
*08	1 (1.4%)	2 (5.6%)	2 (5.9%)		
*09	4 (5.6%)	0 (0%)	2 (5.9%)		
*10	3 (4.2%)	3 (8.3%)	2 (5.9%)		
*11/13	2 (2.8%)	0 (0%)	2 (2.9%)		
*11/14	3 (4.2%)	1 (2.8%)	0 (0%)		
*13/14	0 (0%)	0 (0%)	0 (0%)		