

Appendix 1: Different age groups of Iranian liver transplant recipients

Ages groups	1-5	6-15	16-25	26-35	36-45	46-55	56-65	Up to 66
Liver transplantation	53(8.4%)	48(7.6%)	82(12.9%)	107(16.9%)	107(16.9%)	141(22.2%)	87(13.7%)	9(1.4%)

Appendix 2: Characteristics of some Iranian CMV viremic patients post liver transplantation

Patients number	Type of transplant	Mean viral load (no. of samples)	Sex/age(y/o)	Underlying diseases	Range of CMV load	Type of rejection	Survival status
Pn1	Liver	129684(5)	29/female		negative-140000	No rejection	Live
Pn2	Liver	138668(2)	45/female	HBV	1000-276337	Jump graft	Live
Pn3	Liver	1200(4)	43/female	PSC, HCC	negative-4300	No rejection	Live
Pn4	Liver	275(4)	6/male	PFIC	negative-700	No rejection	Live
Pn5	Liver	1250 (4)	61/male	HBV, Cirrhosis	negative-2300	Moderate rejection	Live
Pn6	Liver	29132.6 (5)	62/male	HBV,HCC	negative-133663	Acute rejection	Live
Pn7	Liver	4763.3 (3)	30/male	PSC,	1250-7340	No rejection	Live

				Autoimmune hepatitis			
Pn8	Liver	616.6 (6)	33/female	Budd-Chiari	negative -2700	No rejection	Live
Pn9	Liver	3458.1 (6)	2/female	tyrosinemia	negative -16689	No rejection	Expire
Pn10	Liver	3324.1(6)	5/female	tyrosinemia	negative -18274	No rejection	Live
Pn11	Liver	6147.3(9)	54/female	cryptogenic	negative -53326	No rejection	Expire
Pn12	Liver	560 (5)	51/female	Autoimmune Hepatitis	negative -2000	No rejection	Live
Pn13	Liver	471.4 (5)	10/male	biliary artesia	negative -1357	Mild acute rejection	Live
Pn14	Liver	1350 (2)	20/male	Autoimmune Hepatitis, PBC	1200-1500	No rejection	Live
Pn15	Liver	24669.6 (3)	43/male	HBV, Cirrhosis	negative -738790	No rejection	Live
Pn16	Liver	17446.6 (3)	57	HBV	negative -50000	No rejection	Live
Pn17	Liver	1250 (2)	3/male	tyrosinemia	1000-1500	No rejection	Live
Pn18	Liver	11000(2)	9/male	cryptogenic		rejection	Expire
Pn19	Liver, kidney, pancreas, intestine	3700(12)	51/male	Congenital hepatic fibrosis	negative -2000	No rejection	Live
Pn20	Liver, kidney, pancreas, intestine	0(5)	22/female	Colon carcinoma	negative	Mild rejection	Live

Pn21	Liver, kidney, pancreas, intestine	0(9)	32/female	<i>nuroendocrine</i>	negative	No rejection	Live
Pn22	Liver, kidney, pancreas, intestine	0(4)	28/male	Autoimmune hepatitis	negative	No rejection	Live
Pn23	Liver, kidney, pancreas, intestine	0(2)	37/male	PSC	negative	No rejection	Live
Pn24	Liver, kidney, pancreas, intestine	0(3)	26/female		negative	No rejection	Expire

Appendix 3: Dynamic of CMV viremia in some patients who underwent liver transplantation







