

16th IHIW

Post-transplant Antibody Study

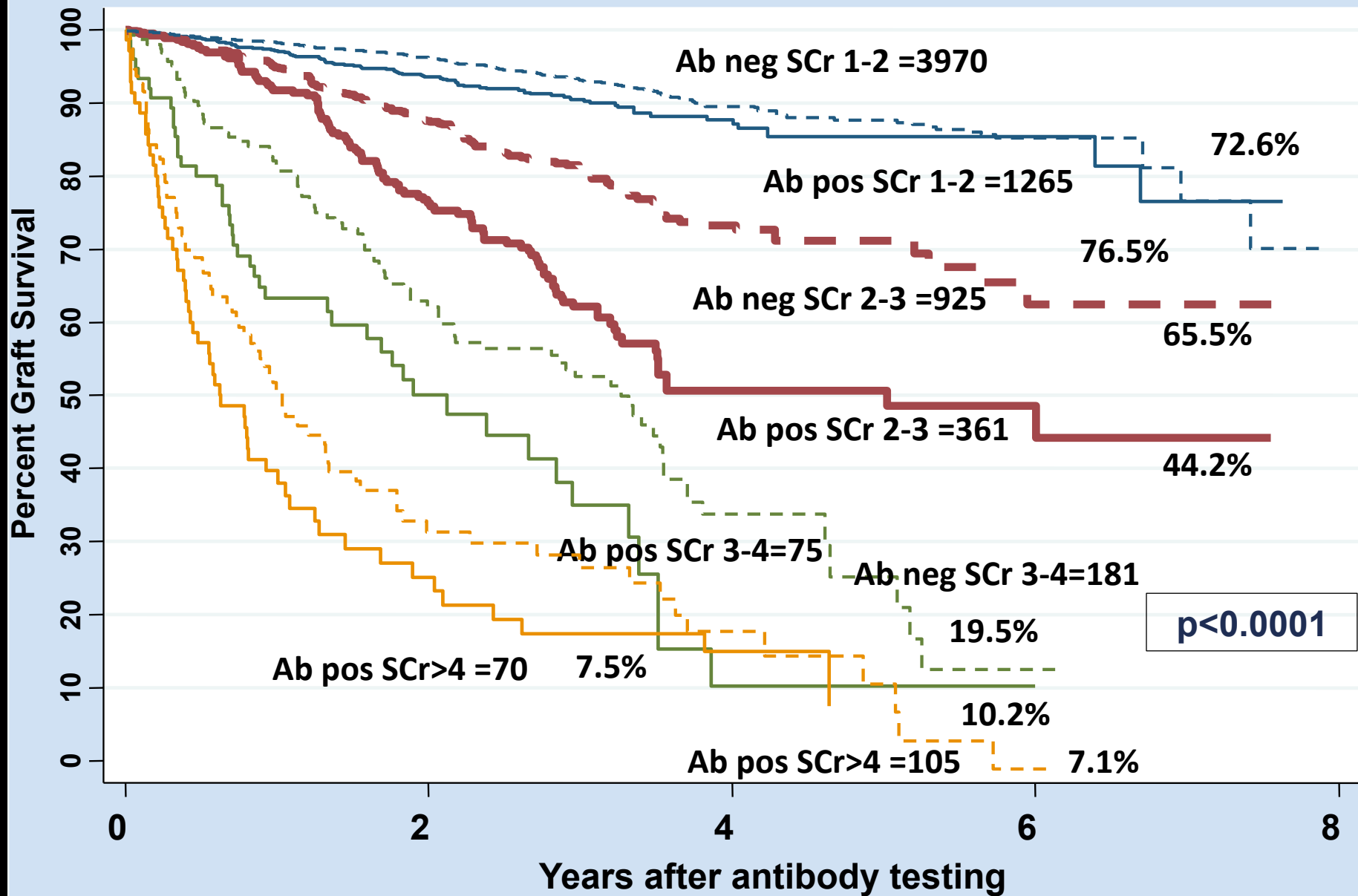
Paul Terasaki and Mikki Ozawa

PART 1: One HLA Antibody Test Predicts Future Graft Survival.

To show that, with only a single HLA antibody testing post transplantation, the future outcome of transplant can be predicted.

 **Modification as of Oct 2011: focus will be on patients who have SCr 2.0-3.0mg/dL.**

13th, 14th, 15th WS: Graft Survival by Scr and Ab n=6952



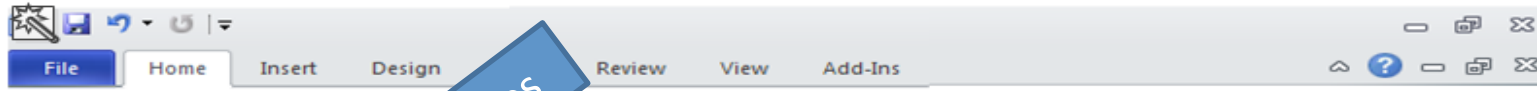
PART 2: Monitoring Post-transplant Antibodies in High Risk Patients.

Track the time course of antibody development and changes in strength and specificities, starting from the time of transplant, in relation to immunosuppressive regimens, clinical events, and treatments. (Pre-tx PRA 50% or regraft)

PART 3: Antibody Reduction Treatment to Prevent Graft Loss

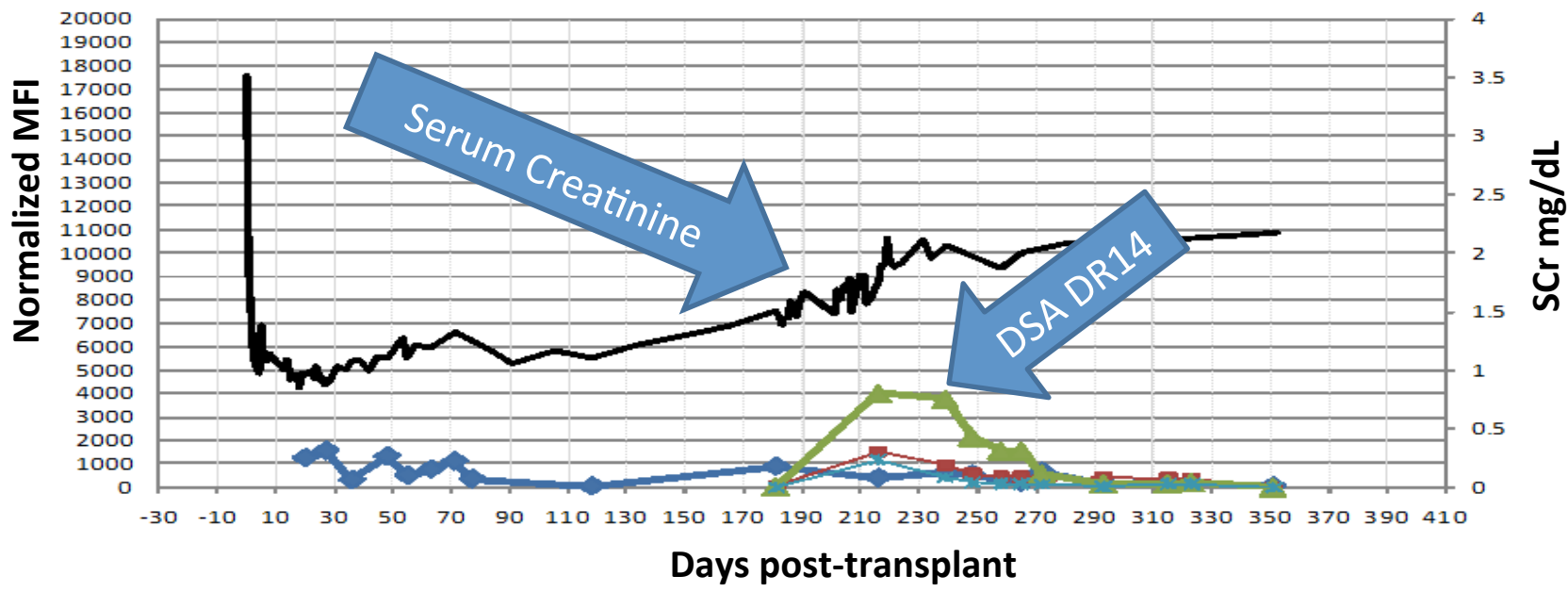
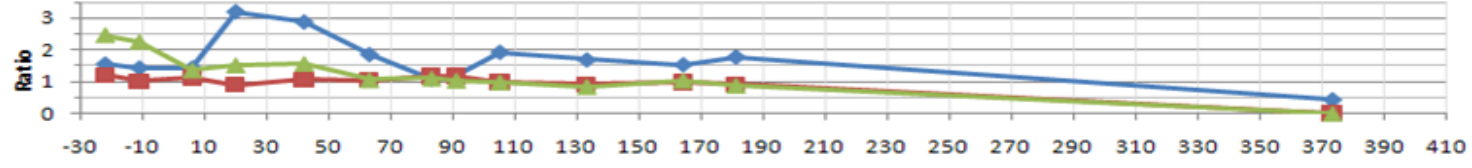
Centers will remove the antibodies as preventive therapy or as antibody-mediated rejection treatment, and monitor antibody levels to assess the efficacy of treatments. Centers select treatment method.

Antibody Tracking Program



Mismatches

	A				C		DRB1		DQ		DRB345		Bw	
	2	24	7	4	-	7	7	15	2	6	51	53	4	6
	2	68	38	44	-	7	14	15	9(3)	5	51	52	4	-

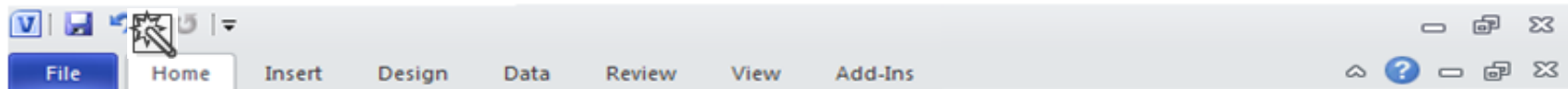


Serum Creatinine

DSA DR14

Days post-transplant

Tabular Data

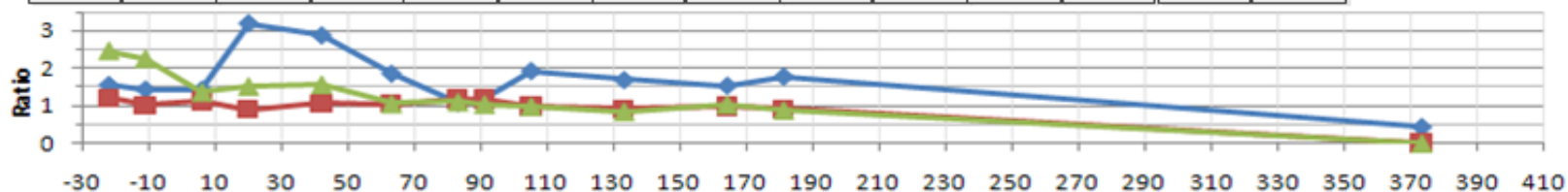


Jane Doe Tx:29 June 2010

09 November 2010

POD: 133

	A	B	C	DRB1	DQ	DRB345	Bw						
2	24	7	44	-	7	7	15	2	6	51	53	4	6
2	68	38	44	-	7	14	15	9(3)	5	51	52	4	-



DATE	P.O.D.	Total intake I.V.	Oral	Total Outq Urine	Drain/RTA	Pulse BP	Temp	Wt.	Scr	Hb	T.C.	P.C.	K+	Na+	RBS		
									4.58								
13-Feb-11	1	10.95 L	10.95 L	NIL	10.25 L	10.25 L	88	150/90	98.4	2.08	10.5	14700	172000	4.71	133.5	71	
14-Feb-11	2	10.95 L	10.85 L	100 ML	9.4 L	9.4 L	68	154/90	98.4	49.65	1.28	8.8	10200	146000	3.8	132	238
15-Feb-11	3	8.2 L	3.6 L	4.6 L	7.7 L	7.7 L	88	140/80	98.4	48.75	1.06	9.7	8000	142000	4.5	134	110
16-Feb-11	4	10 L	100 ML	9.9 L	9.5 L	9.5 L	88	140/80	98.4	48	1.03	9.8	8600	137000	3.77	132.5	100
17-Feb-11	5	7.5 L	300 ML	7.2 L	7 L	7 L	88	140/80	102	48.25	1.41	10	8500	145000	3.69	130.5	82
18-Feb-11	6	5.15 L	400 ML	4.75 L	4.15 L	4.15 L	88	130/80	100	49.15	1.91	8.9	9100	150000	2.52	124.4	90
19-Feb-11	7	5 L	1.1 L	3.9 L	4 L	4 L	88	130/80	99.4	49.4	1.77	8.6	6800	223000	5	129.4	125
20-Feb-11	8	6.5 L	700 ML	5.8 L	5.5 L	5.5 L	88	130/80	98.4	50.4	1.57	10.1	11000	250000	5.29	124.7	106
21-Feb-11	9	6.6 L	700 ML	5.9 L	5.6 L	5.6 L	76	140/80	98.4	50	1.24	9.6	7700	197000	4.5	132	123
22-Feb-11	10	9.95 L	500 ML	9.45 L	8.95 L	8.95 L	76	130/80	98.4	51.2	1.34	9.8	5900	199000	3.7	130.4	92
23-Feb-11	11	9.55 L	500 ML	9.05 L	9.05 L	9.05 L	88	130/80	98.4	51.15	1.33	10.4	10100	237000	4.36	125.4	98
24-Feb-11	12	9.65 L	100 ML	9.55 L	9.15 L	9.15 L	98.4	51.51	1.26	9.2	8500	221000	3.57	127	84		
25-Feb-11	13	7.55 L		7.55 L	6.95 L	6.95 L	88	120/80	98.4	0.94	9.2	9700	262000	4.1	131.7		
26-Feb-11	14	10.5 L		10.5 L	9.65 L	9.65 L	90	140/90	98.4	49.7	1.15			3.4	127.8		
27-Feb-11	15	10.45 L		10.45 L	9.65 L	9.65 L	90	150/100	98.4	1.32				3.33	130.3		
28-Feb-11	16	10.4 L		10.4 L	10 L	10 L	76	130/100	98.4	1.16	8.7	10400	365000	4.51	129		
1-Mar-11	17	10.95 L		10.95 L	10.45 L	10.45 L	80	170/90	98.4	1.1				4.2	131		
2-Mar-11	18	10.95 L		10.95 L	10.85 L	10.85 L	88	130/80	98.4	1.06				3.8	130		
3-Mar-11	19	8.35 L		8.35 L	8.45 L	8.45 L	88	140/80	98.4								
4-Mar-11	20									1.19				4.9	135		
5-Mar-11	21	8.5 L		8.5 L	7.8 L	7.8 L	80	140/90	98.4	1.16				5.6	130.8		
6-Mar-11	22	6 L		6 L	5.25 L	5.25 L	80	150/90	98.4								
7-Mar-11	23	7.7 L		7.7 L	7.35 L	7.35 L	84	120/80	98.4	1.16	10.6	11700	287000	4.75	124	74	
8-Mar-11	24																
9-Mar-11	25	7.1 L		7.1 L	4.9 L	4.9 L	100	170/110	98.4	49	1.25	10.9	9000	246000	4.2	134	109
10-Mar-11	26																
11-Mar-11	27						100	130/90	98.4	49	1.28	11.4	7600				

44 Participating Centers as of Oct 2011

	Director	Country	City
1	Dyer ←	UK	Edinburgh
2	Grant ←	UK	London
3	Puliatti ←	UK	London
4	Savage ←	UK	Belfast
5	Jones/Middleton ←	UK	Liverpool
6	Carter ←	UK	Newcastle
7	Cherukuri/Clarke ←	UK	Leeds
8	Barry/Norman	USA	Portland
9	Bow/Hull	USA	Harford
10	Delgado	USA	Salt Lake City
11	Graff	USA	St. Louis
12	Harville	USA	Little Rock
13	Hauptfeld-Dolejsek	USA	Birmingham
14	Higgins/Lobashevsky	USA	Indianapolis
15	Hull/Bow	USA	Harford
16	Kimball	USA	Richmond
17	Norman/Barry	USA	Portland
18	Pereira/Tan/Grumet	USA	Seattle/Palo Alto
19	Ruiz	USA	Miami
20	Schmitz	USA	Chapel Hill
21	Seethanraju	USA	Houston
22	Suciu-Foca	USA	New York

	Director	Country	City
23	Fidler/Christiansen	Australia	Royal Perth
24	Jobim	Brazil	Porto Alegre
25	Gerbase de Lima ←	Brazil	Sao Paulo
26	Neumann/Michelon	Brazil	Porto Alegre
27	Snider	Canada	Hamilton
28	Keown	Canada	Vancouver
29	Halloran/Campbell	Canada	Edmonton
30	Slavcev	Czech Rep	Prague
31	Semana	France	Rennes
32	Cesbron ←	France	Nantes
33	Arns	Germany	Koln
34	Kwok	Hong Kong	Hong Kong
35	Kankonkar	India	Mumbai
36	Mehra	India	New Delhi
37	Cozzi	Italy	Padova
38	Kobayashi	Japan	Nagoya
39	Alberu	Mexico	Mexico City
40	Zayer	Saudi Arab	Riyadh
41	Solena	Spain	Cordoba
42	Bengtsson	Sweden	Uppsala
43	Tsai	Taiwan	Taiwan
44	Lee	Taiwan	Tainan