

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	Number	Subject Category	Age	Sex	Ethnicity	Normal?	IPAH?	# yrs. PAH Dx?	Fhx of PAH?	C-tissue dx?	CREST / Sclero?	HT?	ILD?	PAH?	# yrs. C Dxd	C Dxs	Smoking Hx	PMHx	HRT?	Meds	Height (m./Weight (lb.))
2	96	SSc+ (+ILD, ANA/ACA+, HT+) (repaired ASD)	50	F	NHW	N	N	3 N	Y	Y	Y	Y	Y	Y	10	Ltd. SD, RP	Previous, 2 diff. Dr. notes: one says 10, another 3 pack yrs.	ILD, IBS, HP, UP, HTN, GERD, repaired ASD, Afib, O, DM, HT		B, Pred, F, C, Alb, E, Sp, F/S, HH, R, Fen, Fel, Levo, Si, Ser, Pe, Dig, Est, KCl	62"/82.0kg
3	96-2	SSc+ (+ILD, ANA/ACA+, HT+) (repaired ASD) (duplicate)	53	F	NHW	N	N	6 N	Y	Y	Y	Y	Y	Y	13	Ltd. SSc, RP	Previous, 2 diff. Dr. notes: one says 10, another 3 pack yrs.	ILD, DM, HT, Afib, Div, RHF, UP, LP, IBS, repaired ASD, GERD, Th, HTN		B, S, Pred, O2, Alb, F/S, F, C, Dig, KCl, Sp, PH, HH, Iba, Me, Si, Ser, L, Feno, O2	62"/77.1kg
4	111	IPAH (PE)	46	M	NHW	N	Y	3 N	N	N	N	N	N	Y			Former smoker; quit 1/1/03	PE, GERD		B, Zol, C, Doxy, Cy, Mon, L	
5	111-2	IPAH (PE) (duplicate)	49	M	NHW	N	Y	6 N	N	N	N	N	N	Y			Former smoker; quit 1/1/03	PE, GERD, ARD, As		S, B, C, Ac, Alb, Zol, G/C, Cy, L	
6	113	sPAH (Sp, ANA+)	63	F	NHW	N	N	5 N	N	N	N	N	N	Y			None	Sp, CAD, Scol, Hep, GERD, App, Sp		Epop, B, O2, C, F, Ser, KCl	62"/63.5kg
7	113-2	sPAH (Sp, ANA+) (duplicate)	65	F	NHW	N	N	7 N	N	N	N	N	N	Y			None	Sp, CAD, Scol, Hep, GERD, App, D, Div, Hys, IBS, H, HL, OP, Ch		Epop, S, B, O2, C, F, Dig, KCl, Alp, Ser, Fe, Pan	62"/135#
8	114	SSc+ (HT+)	68	F	NHW	N	N	3 N	Y	Y	Y	N	Y		7	Ltd. SD, CREST	Until 1979; 6 cigarettes/day for 15-20 yrs	CHF, GERD, HT, CA		B, O2, Fe, Vc, VitE, VitA, VitB, Esc, Ate, Acid, Min, Est, L	
9	114-2	SSc+ (HT+) (duplicate)	71	F	NHW	N	N	5 N	Y	Y	Y	N	Y		10	Ltd. SSc, RP, Tel	Until 1979; 6 cigarettes/day for 15-20 yrs	CHF, GERD, HT, CA		B, S, Dilt, O2, F, CQ10, Fe, Levo, KCl, O, Vita/B/C/D/E, Acid, Esc, At, Min	66.5"; 152# (3/23/09)
10	135	SLE, "mild" SD, MCTD?+ (ILD, ANA+, HT+)	47	F	AA	N	N	5 N	Y	Y?	Y	Y	Y		16	RP, SLE, "mild" SD, MC?	Previous	Peri, HP, ILD, HTN, HT		Epop, Am, MM, O2, C, F, Los, E, KCl, Sp, Levo	67/174
11	135-2	UCTD+ (ILD, ANA+, HT+) (duplicate)	52	F	AA	N	N	9 N	Y	N	Y	Y	Y		20	UCTD- diffuse	Previous	Peri, HP, ILD, HTN, HT		Epop, S, Am, O2, C, F, Levo, Sp, KCl, O, Los, Pa	67/176
12	160	IPAH (ANA+)	57	F	NHW	N	Y	<1	N	N	N	N	N	Y			None	O, R, Ch, "very mild" SA, HTN, HP		Esc, Estr, C	69/196.2
13	160-2	IPAH (ANA+) (duplicate)	58	F	NHW	N	Y	1 N	N	N	N	N	N	Y			None	O, R, Ch, "very mild" SA, HTN, HP		S, Amb, C, F, Eze/Si, Flu	69/204.5
14	165	SSc+ (+ILD) (ANA+, RVVT+, SSA+)	64	F	NHW	N	N	13 N	Y	Y	N	Y	Y		34	Ltd SSc, RP	None	ILD, GERD, BP, O, CTED?, RVVT+, aSSA+		Ni, O2, F, C, Sp, Pan, M, Ac/Co	65/209
15	165-2	SSc+ (+ILD) (ANA+, RVVT+, SSA+) (duplicate)	67	F	NHW	N	N	16 N	Y	Y		Y	Y		36	Ltd SSc, RP	None	ILD, GERD, BP, O, A, HT, Hyp, CTED? (in some notes)		S, O2, Dig, F, C, Pan, Sp, Vd	65/167.2
16	167-2	SSc+ (DVT) (duplicate)	54	F	NHW	N	N	4 N	Y	Y	N	N	Y		>12	Diffuse SSc (melorheo stotic variant)	None	PleuE, LC, GERD, DVT, Ca, HvT, Ar		Dilt, C, F, Sp, KCl, E, Ca/Vd, Ale	63/69.3kg

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
17	167-3	SSc+ (DVT) (duplicate) (*NO PAH per RHC today)	58	F	NHW	N	N	8	N	Y	Y	N	N	Y	>16	Diffuse SSc (melorheostotic variant)	None	Os, GERD, RP, PleuE, DVT, Ca, HyT, Ar		S, Dilt, E, F, KCl, Vc, CaCO/Vd, Sp, Zo, Fluo	63/128
18	185-2	IPAH (PFO vs ASD?) (duplicate)	34	F	NHW	N	Y	34	N	N	N	N	N	Y		0.125 pk/yr Hx, quit 1/1/91	IS, IP, Hyp, LP, PFO vs ASD?		B, Oral T vs placebo, O2, C, L arg, Mo, MVI, Nore	62/150.4	
19	185-3	IPAH (+PFO/ASD, EMS, PE) (duplicate) (AXIS)	39	F	NHW	N	Y	39	N	N	N	N	N	Y		0.125 pk/yr Hx, quit 1/1/91	EMS, CHF, HTN, PE, Derm, GL, PVC, Hyp, LP, D, HA, PFO vs ASD?		Epop, B, S, Am, O2, F, C, L arg, Nore, Mo, Ac, MVI, Trav	62/160	
20	188	IPAH (PFO, Gr/HT+)	44	F	NHW	N	Y	12	N	N	N	Y	N?	Y		~20 pk yr Hx	PFO, A, HT, Gr, AI, LP, HP		Epop, Pred, O2, Levo, Lor, MS, Pro	71/145	
21	188-2	IPAH (PFO, Gr/HT+) (duplicate)	44	F	NHW	N	Y	13	N	N	N	Y	N?	Y		~20 pk yr Hx	PFO, A, HT, Gr, AI, LP		Epop, S, Pred, Levo, ABC, Lor, MS	71/	
22	213	FPAH (HT+)	53	F	NHW	N	Y	14	Y (2 sisters)	N	N	Y	N?	Y			HT, Ca, CLL, TCP		Epop, B, O2, C, F, Levo, MVI, Sp, Dig	64"/55kg	
23	213-2	FPAH (HT+) (duplicate)	55	F	NHW	N	Y	16	Y (2 sisters)	N	N	Y	N?	Y			HT, Ca, CLL, TCP		Epop, B, S, RTX, O2, C, F, Ca, Dig, N, Levo, MVI, Sp	64"/125#	
24	239	IPAH (ANA/ACA+, HT+, PF)	61	F	NHW	N	Y?	<1	N	N	N	Y	N	Y		None	HTN, GERD, HT, O, PF		Epop, Li, Levo, ASA, Ra, Esz, Dip	64/79.2kg	
25	239-2	IPAH (ANA/ACA+, HT+, PF) (duplicate)	63	F	NHW	N	Y?	3	N	N	N	Y	N	Y		None	HTN, GERD, HT, O, PF, UM, R-L shunt		Epop, S, O2, Alb, F, C, Levo, O, KCl, Sp, D/A, Esz	64.2/196.2	
26	328	IPAH vs CTD (ANA+, HT+)	74	F	NHW	N	Y	1	N	N	N	Y	N	Y		Poss. CTD?	Afib, SA?, HP, CHF, mild COPD, Hys, App, HT, HTN, Ton		C, Levo, M, Flox		
27	328-2	IPAH vs CTD (ANA+ HT+) (duplicate)	74	F	NHW	N	Y	1	N	N	N	Y	N	Y		Poss. CTD?	Afib, SA?, HP, CHF, mild COPD, Hys, App, HT, HTN, Ton		S, C, Levo, Flox, Dig, MVI		
28	344	IPAH (ANA+)	24	F	NHW	N	Y	<1	cousin w/PAH, but due to heart	N	N	N	N	Y			Previous; quit 1/1/04		Epop, C	63/101.1	
29	344-2	IPAH (ANA+) (duplicate) (AXIS)	29	F	NHW	N	Y	5	cousin w/PAH, but due to heart	N	N	N	N	Y			Previous; quit 1/1/04	Endo, MSSA	S, Tre (subQ), C	63/99.6	
30	358	IPAH? (poss. HHT, ANA+, HT+)	51	F	NHW	N	N	11	N	N	N	Y	N	Y		pos. ANA, Tel	very remote Hx	CVA, Tel, possible HHT?, SVT, RP, HT, Ton		Amb, C, Levo, Ra, Ni, Cy, Lo, Ca, Vd, MVI, VitB, Vc	
31	358-2	IPAH? (ANA+, HT+) (duplicate)	57	F	NHW	N	N	17	N	N	N	Y	N	Y		pos. ANA, Tel	very remote Hx	CVA, Tel, possible HHT? (Osler-Weber-Rendu), SVT, RP, HT, Ton		S, Amb, O2, F, C, Levo, Tra, Al, Bac, Ce, Dig, Doc, Ra, Aze, VitB, Vc, Ac, Ca/Vd, FA	64/107.7
32	382	IPAH	48	F	NHW	N	Y	3.5	N	N	N	N	N	Y				SA, O		Ilo, B, O2, C, KCl, MVI, Tor, HC	64/220
33	382-2	IPAH (duplicate)	48	F	NHW	N	Y	4	N	N	N	N	N	Y				SA, O		T, S, O2, C, KCl, FO, Tor, HC, MVI	64/214.7

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
34	396	SSc+ (ANA+)	53	M	HL	N	N	<1	N	Y	Y	Y	N	Y	<1	Likely lcSSc: RP, sclerodact yly, Tel	7.5 pk/yr Hx; quit 5 years ago	GERD, RP, HTN		Ni, O2, C	62/120.8 (2/3/10)
35	396-2	SSc+ (+ILD, ?CTEPH?) (ANA+) (duplicate)	55	M	HL	N	N	3	N	Y	Y	Y	Y	Y	2.5	lcSSc: RP, sclerodact yly, Tel	7.5 pk/yr Hx; quit 7 years ago	GERD, RP, HTN, NSIP, HCV+, ?PE?		S, Ni, O2, F, C, O, HC/AC, G, Vd	62/128.2
36	529	IPAH (HT+)	30	F	NHW	N	Y	~1 month	N	N	N	Y	N	Y			None	HT, RP, 2:1 AV block?		1 day of Veletri (RT Epop), C, HCTZ, Levo, Bup, Zol, Ce, Tr, Lor	64"/120.3# (9/8/10)
37	529-2	IPAH (HT+) (duplicate) (AXIS)	32	F	NHW	N	Y	2	N	N	N	Y	N	Y			None	HT, RP, 2:1 AV block?, SVT		RT Epop (Veletri), S, Am, Sp, Levo, MgO, Ce, Bup, Lor, M, Tr, C, Zol, Ac	64/122
38	550-3	IPAH? (+OSA) (duplicate) (AXIS)	64	F	NHW	N	Y	4	N	N	N	N	N	Y			None	SA, GERD, Al/At		Amb, O2, CPAP, Alb, CC, C, F, G, Mo, Mon, Sp, Pan, Trav, Car, CaCO, Aze, At, Ca/Vd, Fex, MVI, Ac	63/163
39	550-4	IPAH? (+OSA, LVDD?) (duplicate) (AXIS f/u)	64	F	NHW	N	Y	4	N	N	N	N	N	Y			None	SA, GERD, Al/At, LVDD?		Tad, Amb, C, F, Alb, At, Aze, CC, CaP, Fex, Gu, Mo, Mon, Pan, Sp, Trav, MVI, Ac, NaCl	63/164.8
40	578	SSc+ (ANA+, +ILD, HT, SA, CKD)	54	F	AA	N	N	<1	N	Y	Y	Y	Y	Y	10	Ltd SSc	2.5-5 yr pk Hx	CKD, HT, HTN, SA, GERD, D, CTS, Myo, Fib, DL		O2, ASA, Ca, Erg, E, FeS, Flu, F, G, Levo, Lor, KCl, HH, Pred?	66/181 (11/30/11)
41	578-2	SSc+ (ANA+, +ILD, HT, OSA, CKD) (duplicate) (AXIS)	56	F	AA	N	N	3	N	Y	Y	Y	Y	Y	13	Ltd SSc	2.5-5 yr pk Hx	CKD/CRI, HT, HTN, SA, GERD, D, CTS, Myo, Fib, DL		S, Amb, Tr, Sp, Ser, Levo, F, O2, Erg, E, FeS, CaCO, Alp, Ac, Sen	66/138
42	592	SSc+ (ssSSc) (+COPD, ILD, O) (ANA+, RNP+)	72	F	NHW	N	N	<1	N	Y	Y	N	Y - "mild" per Dr note	Y	1	SSc sine SD (ssSSc), RP, Tel	80 pk/yr Hx; quit 2/14/2000	COPD/Em, GERD, mild NSIP, small R L interatrial shunt		O2, ASA, Ca/Vd, HCTZ, M, O, TB, Form	63/175
43	592-2	SSc+ (ssSSc) (+COPD, ILD, O) (ANA+, RNP+) (duplicate)	75	F	NHW	N	N	2	N	Y	Y	N	Y	Y	3	SSc sine SD (ssSSc), RP, Tel	80 pk/yr Hx; quit 2/14/2000	COPD/Em, GERD, mild NSIP, small R L interatrial shunt		Amb, Tad, O2, TB, F, M, O, ASA, BS, Vd, Sp	64/167.9
44	593	IPAH	25	F	HL	N	Y	1	N	N	N	N	N	Y			minor Hx	Mig, Ton		Epop, F, KCl, C, Tr	65/178
45	593-2	IPAH (duplicate)	28	F	HL	N	Y	4	N	N	N	N	N	Y			minor Hx	Mig, Ton, TCP, URI, ?small VSD?		Epop, S, Amb, O2, F, Sp, C, Cita, Ac, KCl	65/144
46	598	sPAH (+AOSD, SP)	37	F	NHW	N	N	1	N	N	N	N	N	Y			None	AOSD, SP,		Epop, MTX, Ana, Pred, Ca/Mg/Zn, FA, MVI, Oxy, Ca/Vd	72/189
47	598-2	sPAH (+AOSD, SP, PVT) (duplicate)	38	F	NHW	N	N	1.5	N	N	N	N	N	Y			None	AOSD, SO-JIA, SP, PVT		Epop, S, O2, Ca-Mg-Zn, Vd, FA, MTX, Ana, Ce, En, MTX, Pred, MVI, C, Oxy	72/184.8
48	687	SSc+ (+OSA, (ANA/ACA+) (AXIS)	78	F	AA	N	N	<1	N	Y	Y	N	N	Y	1 (RP ~18 years)	SSc sine SD (ssSSc), RP, Tel	None	SA, Alo, HTN, Hyp, DDD, BP, N, JP		Am, O2, Alb, HCTZ, Dip, VitC, Ca/Vd, Li, Hydc, FO, Fluor, MVI, VitE	64/169
49	687-2	SSc+ (+OSA, (ANA/ACA+) (duplicate) (AXIS f/u)	79	F	AA	N	N	<1	N	Y	Y	N	N	Y	2 (RP ~19 years)	SSc sine SD, RP	None	SA, Alo, HTN, Hyp, DDD, BP, N, JP, small HH		S, Mac, Am, O2, CPAP, Alb, Li, F/S, F, HC/AC, Ben, Mu, Ca/Vd, KCl, MVI, VitE, Om	64/169.1
50	695	IPAH (+OSA)	47	F	HL	N	Y	3.5	N	N	N	N	N?	(See PFTs)	Y		None	SA, BP		T, Amb, O2, CPAP, G, Me, Oxy, Lac, Tor, ASA, KCl	60/137.8

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
51	695-2	IPAH (+OSA) (duplicate)	48	F	HL	N	Y	4.5	N	N	N	N	N?	(See PFTs)	Y		None	SA, BP, M		T (IV), S, Amb, O2, CPAP, C, Tiz, Tor, Sp, G, Me, Oxy, Dia, Lac, Lido, KCl, ASA	60/134.1
52	716	sSc+ (+ILD?)	65	F	NHW	N	N	<1	N	Y	Y	N	Y - mild	Y		lcSSc, RP, Tel, Cal	40 yr/pk Hx; quit 2006	"mild" ILD, Noc Hyp, App, Hys	Estrace for 24 years	Sp, ASA	60.5/132
53	716-2	sSc+ (+ILD?) (duplicate) (AXIS)	65	F	NHW	N	N	<1	N	Y	Y	N	Y - mild	Y		lcSSc, RP, Tel, Cal	40 yr/pk Hx; quit 2006	"mild" ILD, Noc Hyp, App, Hys	Estrace for 24 years	S, F, O2, Sp, ASA	60/133.7
54	792	sPAH - PE (CTEPH? +Sar, SA)	40	M	AA	N	N	<1	N	N	N	N	N	Y			37.5 pk/yr Hx; quit 2/3/14	PE, ?CTEPH?, Sar, AKI, SA, HTN, RAD		Alb, BudF, F, C, Sim	70/201
55	792-2	sPAH - PE (CTEPH? +Sar, SA) (duplicate)	41	M	AA	N	N	<1	N	N	N	N	N	Y			37.5 pk/yr Hx; quit 2/3/14	PE, Sar, AKI, SA, HTN, RAD		S, Alb, BudF, F, C, En, Sim, I, ID	177.8cm/207#

	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
1	BMI (kg/m ²)/BSA (m ²)	SpO2	Date/Time Collected	Time Processed	D.O.D.	Days B/T blood draw & death	Date of Initial RHC	Days B/T blood draw & RHC	RAP	RVP	PAPsys	PAPdia	PAPmean	PVR (wood)	wedge	CO	CI	PA Sat (%)
2	33.1/		8/23/06; 14:15	0.6875	5/10/10	1356	37841	1111	18	54/21	54	28	39	6.2	18	3.37	1.75	0.63
3	31.1/		3/25/09; 16:00	17:00 (CPT); 3/26 10:00 (EDTA)	5/10/10	411	37841	2056	18	54/21	54	28	39	6.2	18	3.37	1.75	0.63
4			10/6/06; 14:00				37858	1138	2	56/5	58; 51	28; 22	38; 32	7.6; 4.7	7; 7	4.1; 5.3		73%; 77%
5			7/8/09; 16:40	17:10 (CPT); 7/9 ~10:00 (EDTA)			37858	2144	2	56/5	58; 51	28; 22	38; 32	7.6; 4.7	7; 7	4.1; 5.3		73%; 77%
6	25.6/		10/23/06; 14:30				37202	1811	6	79	82; 73	26; 21	47; 44		9; 14	3.2		
7	24.7/		1/22/09; 09:00	13:05 (CPT); froze EDTA cells			37202	2633	6	79	82; 73	26; 21	47; 44		9; 14	3.2		
8			10/23/06; 15:50		11/9/10	1478	38014	999	1	48/2	45; 43	21; 23	32; 30	8.2; 6.8	4; 2	3.4; 4.14		0.627
9	24.17/1.79 (3/23/09)		2/24/09; 16:24	0.704861111	11/9/10	623	38014	1854	1	48/2	45; 43	21; 23	32; 30	8.2; 6.8	4; 2	3.4; 4.14		0.627
10			1/3/07; 15:20				37558	1528	5; 3	80/5	84; 71	30; 29	50; 46	5.8; 4.6	6; 5	7.53; 8.97	4.16; 4.95	
11	27.55/1.8		8/12/11; 14:30	17:13 (CPT only)			37558	3209	5; 3	80/5	84; 71	30; 29	50; 46	5.8; 4.6	6; 5	7.53; 8.97	4.16; 4.95	
12	28.97/2.0		2/28/07; 15:18*				39037	104	6; 5	65/-1	65; 42	18; 10	35; 24	8.5	7; ?	3.31; 3.63	1.62	62%; 74%
13	30.2/		1/9/08; ??				39037	429	6; 5	65/-1	65; 42	18; 10	35; 24	8.5	7; ?	3.31; 3.63	1.62	62%; 74%
14		96% on 5LPM O2	5/2/07; 15:45		9/26/11 (SSDI)	1608	34618	4586	6; 4	50/0	47; 49; 40	19; 17; 18	32; 31; 25	4.5; 2.7;	14; 17	4.7; 6.8; 4.5	2.34; 3.39	68.7%; 81%
15	27.9/1.83	96% on 8LPM O2	3/17/10; 13:55	16:00 (CPT only)	9/26/11 (SSDI)	558	34618	5636	6; 4	50/0	47; 49; 40	19; 17; 18	32; 31; 25	4.5; 2.7;	14; 17	4.7; 6.8; 4.5	2.34; 3.39	68.7%; 81%
16	?/1.7	0.97	5/7/08; 14:50				38190	1385	8; 8	45/6	44; 35	19; 16	30; 24	3; 1.9	11; 14	6.37; 5.3	3.57; 2.98	0.76

	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	
17	22.7/	0.96	4/17/12; 8:45	12:00 (CPT); 4/18 10:30 (EDTA)		Most recent contact 9/10/17	38190	2826	8; 8	45/6	44; 35	19; 16	30; 24	3; 1.9	11; 14	6.37; 5.3	3.57; 2.98	0.76	
18	27.5/	88% on 6LPM O2	4/23/08; 14:30				4/6/2004 (NOT initial RHC, but earliest in records)	1478	6	122/14	110	58	79	30.4	6	2.4	1.46		
19	29.3/	80% on 8LPM O2	6/12/13; 16:36	17:00 (CPT); 18:00 (serum); 6/13 ~10:00 (EDTA)			4/6/2004 (NOT initial RHC, but earliest in records)	3354	6	122/14	110	58	79	30.4	6	2.4	1.46		
20			10/19/07; 14:55				date? From Dr notes		5		90	44	63; 59	14.5	5	4.2			
21			4/9/08; 14:45			Most recent contact 9/25/17	date? From Dr notes		5		90	44	63; 59	14.5	5	4.2			
22	20.8/		3/25/08; 16:00		2/21/12 (SSDI)	1426	date? (Data per WdS; not in e- record)	?	10; 10		67; 55	34; 29	44; 37	16.4; 8.86	1; 7	2.7; 3.4	1.6; 2		
23	21.5/1.6		11/10/10; ~15:30	17:40 (CPT); 11/11 09:00 (EDTA)	2/21/12 (SSDI)	466	date? (Data per WdS; not in e- record)	?	10; 10		67; 55	34; 29	44; 37	16.4; 8.86	1; 7	2.7; 3.4	1.6; 2		
24	29.8/1.9		5/14/08; 16:57		1/27/12	1353		39527	55	14; 13	86/11	89; 84	43; 44	60; 59	21.9	9; 6	2.33; 2.17	1.23; 1.14	0.516
25	33.5/2.0		2/2/11; ~09:15	11:15 (CPT); EDTA not done	1/27/12	359		39527	1049	14; 13	86/11	89; 84	43; 44	60; 59	21.9	9; 6	2.33; 2.17	1.23; 1.14	0.516
26			2/19/09; ~12:30	0.604166667	2/4/14	1811		39863	0	5; 5	78/7	80; 64	29; 25	46; 41	13.9; 10.5	14; 15	2.3; 2.47	1.45; 1.56	51%; 69%
27			5/27/09; 13:30?	~17:30 (CPT); 5/28 09:00 (EDTA)	2/4/14	1714		39863	97	5; 5	78/7	80; 64	29; 25	46; 41	13.9; 10.5	14; 15	2.3; 2.47	1.45; 1.56	51%; 69%
28		98% on RA	6/17/09; ~13:30	16:15 (CPT); 6/18 10:00 (EDTA)			3/4/09 (at UNM Hospital)	105		12	124/3	124; 101	57; 46	82; 66	25; 16	27	2.3; 2.57	1.51; 1.69	64%; 66%
29	17.65/	97% on RA	5/29/14; 08:24	08:58 (2 CPT); 11:00 (serum); 11:45 (EDTA)			3/4/09 (at UNM Hospital)	1912		12	124/3	124; 101	57; 46	82; 66	25; 16	27	2.3; 2.57	1.51; 1.69	64%; 66%
30			8/17/09; 15:22	17:15 (CPT); 8/18 09:00 (EDTA)			9/28/2006 (if previous cath, not in e-record)	1054	1; 5	86/4	87; 66	29; 23	51; 39	12.7; 9.9	2; 6	3.87; 3.33			
31	18.46/	0.94	6/15/15; 13:41	13:56 (CPT); 14:49 (serum); 6/16 12:10 (EDTA)			9/28/2006 (if previous cath, not in e-record)	3182	1; 5	86/4	87; 66	29; 23	51; 39	12.7; 9.9	2; 6	3.87; 3.33			
32	37.8/2.04		12/10/09; 10:00	10:45 (CPT); 12:15 (EDTA)	8/12/13	1341	12/28/2006 (PSL)	1078		13		84	34		13	4.89	2.23	0.58	
33	36.9/2.02		4/14/10; 13:42	16:50 (CPT); 4/15 ~10:00 (EDTA)	8/12/13	1216	12/28/2006 (PSL)	1203		13		84	34		13	4.89	2.23	0.58	

	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
34	22.4/1.55 (2/3/10)	98% on ? O2	2/25/10; 11:45	14:50 (CPT); 2/26 ~10:00 (EDTA-flow)			40234	0	1; 0	62/1	64; 55	22; 20	38; 35; 33	10.6; 7.65	1; 5	3.49; 3.66	2.27; 2.38	0.64
35	23.45/	91% on 2LPM O2	6/13/12; 16:34	17:10 (CPT); 6/14			40234	839	1; 0	62/1	64; 55	22; 20	38; 35; 33	10.6; 7.65	1; 5	3.49; 3.66	2.27; 2.38	0.64
36	20.6/1.58 (9/8/10)		9/21/10; 14:50	17:35 (CPT); 9/22 10:30 (EDTA)			8/23/2010 @? (numbers from Dr. notes)	29	4	73/7	75	34	52; 33	9.4; 6.3	6	4.9		
37	20.9/	93% on RA	10/26/12; 12:19	13:15 (2xCPT uptake & plasma); 15:40 (EDTA)			8/23/2010 @? (numbers from Dr. notes)	795	4	73/7	75	34	52; 33	9.4; 6.3	6	4.9		
38	28.88/	98% on 2LPM O2	10/22/14; 12:33	12:56 (2 CPT); 14:40 (serum); 13:57 (EDTA)			11/2010 per Dr notes	~1451			163	55	96					
39	29.2/		1/14/15; 14:00	14:41 (CPT); 15:20 (serum); 1/15 09:45 (EDTA)			11/2010 per Dr notes	~1535			163	55	96					
40	29.3/1.9	96% (11/18/ 11)	11/3/11; 09:05	12:15 (CPT); 11/4 11:00 (EDTA)	6/20/15	1325	40850	0	10; 10	73/5	75; 76	34; 31	50; 47	15.99; 11.68	3; 4	2.94; 3.68	1.56; 1.95	58%; 64%
41	22.28/	0.94	4/10/14; 14:28	10:00 (CPT); ~11:00 (serum); EDTA not processed!	6/20/15	436	40850	889	10; 10	73/5	75; 76	34; 31	50; 47	15.99; 11.68	3; 4	2.94; 3.68	1.56; 1.95	58%; 64%
42	31.1/	92% (on 2L O2?)	2/14/12; 10:45	12:20 (CPT); 2/15 09:30 (EDTA)			40953	0	10; 11	88/14	88; 79	33; 32	54; 51	9.3; 9.02	12; 13	3.44	1.88	69%; 69%
43	28.81/	N/D this visit	3/26/14; 14:15	16:37 (CPT only)			40953	771	10; 11	88/14	88; 79	33; 32	54; 51	9.3; 9.02	12; 13	3.44	1.88	69%; 69%
44	29.6/	@rest, 90% w/activ ity; both	3/5/12; 16:30	16:55 (CPT) – EDTA not processed!			40506	467	10; 8	91/13; 88/10	92; 92	50; 47	67; 65	18.52; 20.34	7; 6	3.24; 2.9	1.71; 1.53	60%; 66%
45	23.96/	@rest, 86% w/activ ity; both	11/3/14; 15:48	16:14 (CPT); 17:06 (serum); (EDTA)			40506	1440	10; 8	91/13; 88/10	92; 92	50; 47	67; 65	18.52; 20.34	7; 6	3.24; 2.9	1.71; 1.53	60%; 66%
46	25.6/	0.91	3/22/12; 10:20	12:25 (CPT); 13:00 (EDTA)	7/27/17	1953	40575	415	9	80/8	85	32	50	8.1	9	5.06	3.61	0.52
47	25.08/	0.92	6/14/12; 8:40	11:40 (CPT); EDTA not processed (Extreme hemolysis)	7/27/17	1869	40575	499	9	80/8	85	32	50	8.1	9	5.06	3.61	0.52
48	29.1/	88% on RA	3/7/13; 08:46	10:42 (CPT); 12:24 (serum)			41340	0	8; 8	63/8	61; 61	21; 23	38; 40	4.05; 4.03	13; 16	6.17; 5.96	3.39; 3.27	76%; 78%
49	29/	@rest, 90% w/activ ity; both	1/8/14; 15:44	16:30 (CPT only)			41340	307	8; 8	63/8	61; 61	21; 23	38; 40	4.05; 4.03	13; 16	6.17; 5.96	3.39; 3.27	76%; 78%
50	26.9/	92% on 3LPM O2	4/3/13; 13:56	15:00 (CPT); 16:00 (serum); 4/4 9:20 (EDTA)	8/27/16	1242	12/24/09 @Swedish MC	1196			96	45	58	38?				

	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
51	26.2/	w/activity, 97% @rest; both	6/4/14; 14:09	14:55 (CPT); 15:44 (serum); 6/5 (EDTA)	8/27/16	815	12/24/09 @Swedish MC	1623			96	45	58		38?			
52	25.4/	w/activity, 95% @rest, both	7/31/13; 14:50	15:13 (CPT); 16:00 (serum)			6/20/13 @Denver Health MC	41	10	76/2	81	34	52	14.5	9	2.9	1.83	0.61
53	26.2/	97% on RA	8/22/13; 11:50	13:10 (CPT); ~13:50 (serum); 8/23 09:00 (EDTA)			6/20/13 @Denver Health MC	63	10	76/2	81	34	52	14.5	9	2.9	1.83	0.61
54	28.84	0.99	7/24/14; 09:40	10:48 (CPT); 13:02 (serum); 7/25 14:00 (EDTA)			Possible initial RHC @Cheyenne VA, but not in Epic											
55	29.8/	@rest, 94% w/activity; both	1/21/15; 13:25	15:20 (CPT); 15:50 (serum); 1/22 08:15 (EDTA)		Most recent contact 8/30/17	7/24/14 (Poss. Init. RHC @Cheyenne VA, but not in Epic)	181	14; 11	56/4	63; 54	23; 25	43; 38	8.17; 5.86	14; 15	3.55; 3.91	1.68; 1.85	59%; 66%

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
1	Vasoresponsive?	RHC Date r	Days B/T blood draw & RHCZ	RAP r	RVP r	PAPsys r	PAPdia r	PAPmean r	PVR r	wedge r	CO r	CI r	PA Sat (%)3	Vasoresponsive? R	Date of PFTs	Days B/T blood draw & PFTs	FVC
2		37931	1021	5; 9	55/7	57; 55	21; 23	36; 35	3.9; 3.3	8; 9	7.2; 7.97	3.86; 4.27	74%; 79%	N (PGI2)	9/20/2004 (from paper record)	702	1.91
3		40239	342	19	73/9	76	28	46	7.26	15	4.27	2.56	0.57	(N on previous RHC)	1/16/08; Crit. Care & Pulm. Consultants	434	1.62
4	N (PGI2)														No PFTs in e-record		
5	N (PGI2)	2/25/09 at Cheyenne Regional Med Ctr	133	1	63/1	67	29	45	7.5	6	6.7	2.6			No PFTs in e-record		
6	N	37645	1368	9	82/13	83	33	51	14.3	8	3		0.646		No PFTs in e-record		
7	N	39835	0	1	74/23	73	24	43	12.1	3	3.3	2.08	0.68		No PFTs in e-record		
8	N	39311	298	5	69/10	70	27	43	12.8	2	3.2	1.8	0.59		8/9/04 @UCH	805	2.81
9	N	39311	557	5	69/10	70	27	43	12.8	2	3.2	1.8	0.59		8/9/04 @UCH	1660	2.81
10	N	38252	835	14	90/10	99	43	65	9	8	6.33	3.4	0.5		1/25/2007 @UCH	22	1.8
11	N	38252	2515	14	90/10	99	43	65	9	8	6.33	3.4	0.5		3/23/12 @UCH	224	1.99
12	Y (INO)														38930	211	4.07
13	Y (INO)														38930	536	4.07
14	N (PGI2); Borderline (oral Nifedipine)	39728	524	6	72/3	71	30	46	9.5	15	3.47	1.73	0.682	N/A	39204	0	1.96
15	N (PGI2); Borderline (oral Nifedipine)	39728	526	6	72/3	71	30	46	9.5	15	3.47	1.73	0.682	N/A	12/1/09 @NJH	106	1.6
16	N (by current standards)														10/29/07 @UCH	191	2.52

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
17	N (by current standards)	41016	0	2; 7	36/1	36; 45	13; 15	22; 26	3.13; 2.66	6; 11	5.11; 5.63	3.13; 3.45	0.71	2 numbers are BL and post-fluid challenge (300cc IV NS)	5/11/09 @UCH	1072	2.11
18		38261	1300	8	104/13	106	50	74	29.1	9	2.4	1.44	0.63		39497	64	3.61
19		41437	0	8	100/4	102	50	73	10.61	9	6.03	3.47	0.6	N/A	6/12/13 @UCH	0	3.15
20	N					102	48	65; 48	5	48?	3.4			Y	37924	1450	2.91
21	N	40358	811	7	87/10	79	39	56	12.84	13	3.35	1.68	0.63		5/19/10 @UCH	770	3.15
22	N (PGI2)														no PFTs in e-record		
23	N (PGI2)														no PFTs in e-record		
24	N														2/18/2008 @Centura Health	86	3.08
25	N	40576	0	11	81/4	81	34	51	11.19	2	4.38	2.65	0.52	N/A	11/10/10 @UCH	84	3.08
26	N (iNO); Y (O2)														39752	111	
27	N (iNO); Y (O2)														39752	208	
28	N (iNO)	39881	100	7; 3	85/7	91; 76	51; 34	67; 49	30.5; 25	12; 6	1.8; 1.63	1.26; 1.14	57%; 72%	N (iNO)	No PFTs in e-record		
29	N (iNO)	41788	0	4; 3	98/3; 89/1	98; 84	47; 40	67; 58	16.22	7	3.7	2.57	86%; 72%	N (2 #'s are BL and 100% O2)	No PFTs in e-record		
30	Y? (iNO)														9/1/06, but not in e-record; noted "normal" except reduced DLCO	1081	
31	Y? (iNO)														9/1/06, but not in e-record; noted "normal" except reduced DLCO		
32	N (iNO)	40157	0	5	93/4	93	34	53	12	5	3.97	1.95	0.52		8/11/2006 (@PSL?)	1217	2.08
33	N (iNO)	40157	125	5	93/4	93	34	53	12	5	3.97	1.95	0.52		8/11/2006 (@PSL?)	1342	2.08

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
34	N (*NOTE: numbers are RA, 6L/min O2, and iNO, respectively)														1/8/10 @UCH	48	3.48
35	N (*NOTE: numbers are RA, 6L/min O2, and iNO, respectively)														3/23/12 @NJH	82	2.66
36	Questionable resp. to Nitroprusside; systemic pressures dropped														8/17/2010 @ Rapid City Regional Hosp in SD	35	3.44
37	Questionable resp. to Nitroprusside; systemic pressures dropped	41208	0		246/0	46	19	30	5.59	11	3.4	2.17	0.7	ND	8/17/2010 @ Rapid City Regional Hosp in SD	801	3.44
38		41934	0		684/9	78	32	50	11.53	13	3.21	1.79	0.65		3/27/11 @UCH (most recent PFT in Epic)	1305	3.11
39		41934	84		684/9	78	32	50	11.53	13	3.21	1.79	0.65		3/27/11 @UCH (most recent PFT in Epic)	1389	3.11
40	N (iNO)														10/25/11 @UCH	9	2.11
41	N (iNO)	41739	0		1281/0	86	33	51	14.24	5	3.23	1.89		N/A	4/24/2013 @UCH	14	2.16
42	N (iNO)														2/13/12 @UCH	1	1.92
43	N (iNO)	41925	201	3; 3	62/2	58; 51	21; 16	36; 31	5.73; 5.07	8; 8	4.89; 4.54	2.7; 2.51	0.76	N (iNO)	3/26/14 @UCH	0	1.73
44	N (iNO)														11/2/10 @Parkview MC, Pueblo	489	3.21
45	N (iNO)														11/2/10 @Parkview MC, Pueblo	1462	3.21
46		40990	0	3; 5	64/1	61; 82	23; 32	37; 51	4.86; 8.1	5; 5	6.59; 5.68	3.17; 2.73	63%; 61%	Y (2 numbers are w/ and w/o epop @2ng/kg/min)	PFT?		
47		41074	0	3; 4	85/-2	85; 69	24; 18	51; 32	4.2; 2.36	8; 10	10.25; 9.32	4.93; 4.48	59%; 73%	Y (iNO)	PFT?		
48	N (iNO)														11/8/12 @UCH	118	1.53
49	N (iNO)														11/8/12 @UCH	426	1.53
50	N (iNO)	41424	57		1579/10	80	30	50	10.7	9	3.83	2.39	0.55		5/15/13 @UCH	42	1.91

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
51	N (iNO)	41424	370	15	79/10	80	30	50	10.7	9	3.83	2.39	0.55		5/15/13 @UCH	385	1.91
52		41508	22	8; 7	72/4	69; 64	28; 26	43; 41	11.52; 8.33	8; 10	4.37; 3.72	2.77; 2.35	67%; 66%	N (iNO)	9/17/14 @UCH	413	2.46
53		41508	0	8; 7	72/4	69; 64	28; 26	43; 41	11.52; 8.33	8; 10	4.37; 3.72	2.77; 2.35	67%; 66%	N (iNO)	9/17/14 @UCH	391	2.46
54		41844	0	14; 11	56/4	63; 54	23; 25	43; 38	8.17; 5.86	14; 15	3.55; 3.91	1.68; 1.85	59%; 66%	N (iNO)	1/2/15 @UCH		2.79
55	N (iNO)	42026	1	9; 6	50/2	50; 48	25; 21	36; 35	5.15; 6.12	15; 12	4.08; 3.76	1.97; 1.82	64%; 68%	N (iNO)	1/2/15 @UCH	19	2.79

	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV
1	FVC % Pred.	FEV1	FEV1 % Pred.	FEV1 / FVC	TLC	TLC % Pred.	RV	RV % Pred.	DILCO	DILCO % Pred.	FVC:DILCO	BMI	DILCO/VA	Date of Autoimm. Labs	RF	ANA	ACA	Anti-dsDNA
2	0.59	1.51	0.57	0.79	4.18	0.85	2.27	1.34	13.6	0.53	1.113208			1/26/09 unless noted		>1:320 speckled	strong pos abnormal	neg
3	0.51	1.13	0.44	0.7		0.8		1.29		0.32	1.59375		64%	1/26/09 unless noted		>1:320 speckled	strong pos abnormal	neg
4											#N/A			8/23/03 unless noted		neg	neg	
5											#N/A			8/23/03 unless noted		neg	neg	
6											#N/A			12/10/01 unless noted	<3	1:16 fine speckled 3+; 1:64 fine speckled 2+; 1:256 fine speckled 1+	neg	
7											#N/A			12/10/01 unless noted	<3	1:16 fine speckled 3+; 1:64 fine speckled 2+; 1:256 fine speckled 1+	neg	
8	0.84	1.81	0.71	0.64	5.72	1.04	2.71	1.2	16		#N/A		3.76; 76%			pos (1999 per Dr. report)	pos (1999 per Dr. report)	
9	0.84	1.81	0.71	0.64	5.72	1.04	2.71	1.2	16		#N/A		3.76; 76%			pos (1999 per Dr. report)	pos (1999 per Dr. report)	
10	0.48	1.4	0.46	0.78	3.05	0.55	1.13	0.6	13.4	0.47	1.021277	67"; 165#	4.76; 88%	8/6/02 unless noted	16.6H	1:256; fine speckled 3+	neg	
11	0.62	1.51	0.59	0.76	2.8	0.51	0.78	0.4	9.2	0.33	1.878788	67"; 158#	3.66; 69%	8/6/02 unless noted	16.6H	1:256; fine speckled 3+	neg	
12	1.01	3.21	1.03	0.79	6.74	1.16	2.77	1.27	19.62	0.76	1.328947		; 76%	8/18/06	<10	1/320; mixed speckled, diffuse		
13	1.01	3.21	1.03	0.79	6.74	1.16	2.77	1.27	19.62	0.76	1.328947		; 76%	8/18/06	<10	1/320; mixed speckled, diffuse		
14	0.63	1.62	0.66	0.82	3.19	0.61	1.15	0.54	9.5	0.39	1.615385	65"; 213#	3.31; 66%	2/24/02 unless noted		1:256 speckled 3+	neg	13 (neg)
15	0.56	1.3	0.61						5	0.22	2.545455			2/24/02 unless noted		1:256 speckled 3+	neg	13 (neg)
16	0.81	1.94	0.76	0.77	4.02	0.82	1.34	0.74	20.9	0.84	0.964286	63"; 154#	5.63; 107%	5/7/08				

	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV
17	0.69	1.7	0.68	0.81	3.64	0.74	1.38	0.75	15.5	0.63	1.095238	63"; 150#	5.82; 112%	5/2/12 unless noted		neg	neg	
18	1.07	2.88	0.98	0.8	5.12	1.08	1.51	1.11	16.5	0.61	1.754098	62"; 145#	3.73; 65%					
19	0.91	2.49	0.88	0.79	4.29	0.91	1.11	0.76	16.4	0.62	1.467742	62"; 160#	4.36; 78%					
20	0.68	1.9	0.54	0.65	5.64	0.95	2.73	1.44	13		#N/A		2.58; 46%	1/14/07 unless noted	<10 (9/29/05)	neg (4/17/02)	neg (4/17/02)	
21	0.7	1.97	0.55	0.62	5.27	0.87	2.12	1.03	12.9	0.41	1.707317	71"; 160#	3.0; 55%	1/14/07 unless noted	<10 (9/29/05)	neg (4/17/02)	neg (4/17/02)	
22											#N/A							
23											#N/A							
24	0.99	2.45	0.98	0.8	4.85	0.96	1.75	0.88	18.8	0.76	1.302632	64"; 188#	4.35; 86%	3/19/08 unless noted	<20	1/320 speckled	pos abnormal	neg
25	0.95	2.22	0.89	0.72	4.6	0.91	1.52	0.74	17.2	0.71	1.338028	64"; 142#	4.36; 87%	1/29/11 unless noted	<20	1:320 speckled	pos abnormal	neg
26			0.72	0.66	4.29	0.8				0.61				11/4/08	neg	1:320; anti-centromere pattern	neg	
27			0.72	0.66	4.29	0.8				0.61				11/4/08	neg	1:320; anti-centromere pattern	neg	
28											#N/A			6/1/11 unless noted	14	1:320 Fine speckled	neg	
29											#N/A			6/1/11 unless noted	14	1:320 Fine speckled	neg	
30											#N/A			8/17/09 unless noted		1:320; speckled	neg	
31											#N/A			2/23/15 unless noted	<10	1:160; fine speckled	neg	
32	0.6	1.62	0.56	0.78	4.12	0.81	2.04	1.22			#N/A			8/7/06 unless noted	neg	neg	neg	
33	0.6	1.62	0.56	0.78	4.12	0.81	2.04	1.22			#N/A			8/7/06 unless noted	neg	neg	neg	

	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV
34	0.96	2.78	0.92	0.8	4.82	0.91	1.34	0.81	11	0.4	2.4	62"; 123#	3.15; 60%	2/3/10 unless noted		>1:320 speckled nucleolar (1/6/2010)	neg (1/6/2010)	neg
35	0.75	2.16	0.86		4.37	0.94			13.32	0.5	1.5		3.29; 63%	2/3/10 unless noted		>1:320 speckled nucleolar (1/6/2010)	neg (1/6/2010)	neg (2/8/10)
36	0.88	2.81	0.86	"normal"	"normal"		"normal"			0.65	1.353846			9/8/10 unless noted	6.3 (8/15/10)	neg	neg	
37	0.88	2.81	0.86	"normal"	"normal"		"normal"			0.65	1.353846			9/8/10 unless noted	6.3 (8/15/10)	neg	neg	
38	0.97	2.43	0.98	0.78							#N/A	29.01		3/14/11 unless noted	<20	neg	neg	
39	0.97	2.43	0.98	0.78							#N/A	29.01		6/25/15 unless noted	<20 (3/14/11)	neg	neg	
40	0.69	1.5	0.62	0.71							#N/A			2/4/02 unless noted	<3	1:256; speckled 4+	neg	neg
41	0.73	1.56	0.67	0.72					5.5	0.21	3.47619		1.97; 38%	6/6/12 unless noted	<3 (2/4/02)	1:256; speckled 4+ (2/4/02)	neg (2/4/02)	neg
42	0.69	1.45	0.69	0.76	3.41	0.7	1.49	0.68	6.4	0.29	2.37931	63"; 177#	2.83; 59%	1/23/12 unless noted	pos on outside testing (date?)	>1:320; speckled, nucleolar	neg	neg
43	0.61	1.28	0.6	0.74	3.48	0.68	1.55	0.67	6.6	0.29	2.103448	64"; 166#	2.76; 59%	1/23/12 unless noted	pos on outside testing (date?)	>1:320; speckled, nucleolar	neg	neg
44	0.86	2.63	0.82	0.82	4.61	0.86	1.4	0.88	22	0.8	1.075	65"; 186#	5.6; 138%	11/15/10 unless noted	<20	neg	neg	neg (10/20/10)
45	0.86	2.63	0.82	0.82	4.61	0.86	1.4	0.88	22	0.8	1.075	65"; 186#	5.6; 138%	11/15/10 unless noted	<20	neg	neg	neg (10/20/10)
46											#N/A			1/20/12 unless noted		neg (7/11/11)	neg (7/11/11)	
47											#N/A			4/23/12 unless noted		neg (7/11/11)	neg (7/11/11)	
48	0.73	1.46	0.89	0.95	5.68	1.12	2.22	0.94	8.4	0.38	1.921053	64"; 178#	2.58; 56%	2/6/13 unless noted	11	>1:320; speckled	pos	neg
49	0.73	1.46	0.89	0.95	5.68	1.12	2.22	0.94	8.4	0.38	1.921053	64"; 178#	2.58; 56%	4/15/13 unless noted	11 (2/6/13)	>1:320; speckled	pos	neg
50	0.62	1.53	0.61	0.8	3.24	0.73	1.29	0.85	10.7	0.45	1.37778	60"; 137#	4.07; 75%	2/9/11 unless noted	<20	neg	neg	

	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV
51	0.62	1.53	0.61	0.8	3.24	0.73	1.29	0.85	10.7	0.45	1.377778	60"; 137#	4.07; 75%	2/9/11 unless noted	<20	neg	neg	
52	0.9	1.63	0.79	0.66	4.57	1.01	2.03	1.05	10.1	0.47	1.914894	61"; 138#	2.95; 60%	7/3/13 unless noted	neg	neg	neg	neg
53	0.9	1.63	0.79	0.66	4.57	1.01	2.03	1.05	10.1	0.47	1.914894	61"; 138#	2.95; 60%	7/3/13 unless noted	neg	neg	neg	neg
54	0.65	1.44	0.41	0.52	4.91	0.71	2.05	1.12	13.4	0.35	1.857143	70"; 206#	3.19; 56%	3/2/14 unless noted	<10	neg	neg	neg
55	0.65	1.44	0.41	0.52	4.91	0.71	2.05	1.12	13.4	0.35	1.857143	70"; 206#	3.19; 56%	3/2/14 unless noted	<10	neg	neg	neg

	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK
1	Anti-Topoisomerase (Scl-70)	Anti-RNP	Other Antibodies	ESR	CRP	Date CBC, BMP, LFT	Creatinine (mg/dL)	Troponin (ng/mL)	BNP (pg/mL)	GFR (mL/min/1.73 sq. m)	Alk Phos (U/L)	AST (U/L)	ALT (U/L)	Albumin (g/dL)	Bilirubin (mg/dL)
2	neg	neg		4 (9/17/08)	3.6 (9/17/08)	8/23/06 unless noted	1.1	.05 (7/14/07)	126H	>60	52	19	19	4	0.9
3	neg	neg		4 (9/17/08)	3.6H (9/17/08)	3/25/09 unless noted	0.98	0.06H (3/6/09)	1106H	>60	87	22	14	3.4	1.1
4	neg					10/17/06 unless noted	1	(8/21/03)	50 (8/21/03)		57	26	16	4.3	0.7
5	neg					1/20/09 unless noted	1.05	(12/3/09)	34 (7/8/09)		54	18	15	3.8	0.7
6				12 (3/16/05)	1.5 (3/16/05)	10/23/06 unless noted	0.7	0.02 (11/2/07)	169H	>60	54	20	13	4.1	0.9
7				12 (3/16/05)	1.5 (3/16/05)	1/12/09 unless noted	1	.03 (3/13/08)	125H	>60	53	18	11	3.9	0.5
8				4 (10/23/06)	0.2 (5/1/07)	10/23/06 unless noted	1		716H	59	70	31	16	3.3L	0.7
9				4 (10/23/06)	0.2 (5/1/07)	2/11/09 unless noted	1		1709H (1/6/09)	>60	74	26	10L	4.2	1.3
10				16; 7		1/3/07 unless noted	0.8	0.03 (10/04)	29	>60	128H	19	14	4.1	1.3H
11						8/12/11 unless noted	0.81	0.03 (10/04)	60 (2/8/11)	>60	91	27	19	4	1.5H
12	neg			3		6/6/07 unless noted	0.8	(11/16/06)	126H (10/11/06)	>60	40	35	31	4.1	0.9
13	neg			3		1/9/08 unless noted	0.8	(11/1/07)	217H	>60	43	26	24	3.8	0.8
14	neg	neg	a-SSA, RVVT both pos	13 (4/24/09)	3.2H (4/24/09)	5/2/07 unless noted	0.8	0.05 (4/24/09)	193H	>60	130H	22	13	3.8	0.5
15	neg	neg	a-Smith, SSB, B2GP, ACLA, C3c/C4 all neg; a-SSA pos, RVVT=39.3H (2/24/02); a-IgE receptor NL (1/26/09)	13 (4/24/09)	3.2H (4/24/09)	3/10/10 unless noted	1.34H	0.05 (4/24/09)	2092H	39	140H	23	16	3.6	1.1
16				13	0.6	5/7/08 unless noted	1.2		56	50	57	28	23	3.1L	0.4

	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	
17			C3c complement NL, C4 complement = 59.5(H)	9 (7/20/10)	0.119 (high sensitivity) (7/20/10)	4/17/12 unless noted	1.03		61 (4/14/12)		61 (10/31/11) 55 (10/31/11)	21 (10/31/11)	17 (10/31/11)	2.6L (4/11/12)	0.6 (10/31/11)	
18						5/12/08 unless noted	0.9	0.02 (11/9/06)	112H (1/28/08)	>60	60	30	34	4	0.8	
19						6/11/13 unless noted	1.22H (6/12/13)	0.02 (11/9/06)	289H (4/24/13)		49 (6/12/13)	60	22	19	4.4 1.4H	
20				8	<0.5	10/19/07 unless noted	0.9	0.03 (8/30/07)	127H	>60	34L	18	15	4.1	0.7	
21				8	<0.5	4/9/08 unless noted	0.8	1.18R (4/28/08)	286H	>60	38L	15	14	4.1	0.5	
22						3/21/08 unless noted	1.1			>60	98	19	21	4.6	1	
23						1/21/09 unless noted	1.1			>60	94	27	27	4.8	1	
24	neg	neg	All neg: a-SSA, A-SSB, a-ISM	6 (8/13/08)	0.8	5/14/08 unless noted	1.1		438H	54	69	25	30	4.1	1.3	
25	neg	neg	All neg: a-SSA, A-SSB, a-CCP, a-ISM	6 (8/13/08)	<0.5	2/2/11 unless noted	1.09	0.02	562H (1/23/11)	51	99	14	14	3.4	1.3	
26	neg			10		2/4/09 unless noted	1.1		1161H		102	47	33	4.1	2.2H	
27	neg			10		5/27/09 unless noted	0.97		346H	>60	82	34	20	3.7	1.5H	
28				5		6/17/09 unless noted	0.75	0.03 (3/7/09)	102H	>60	99	33	37	4.5	0.8	
29				5		5/28/14 unless noted	0.77			16	>60	67	13	8	4.9	0.5
30	neg (9/1/06)					8/17/09 unless noted	1.1 (12/11/06)		157H (9/1/06)		94	33	30	4.3	0.9	
31	neg (9/1/06)		ACCP=29H			6/15/15 unless noted	1.48H		1323H	36L	97 (5/21/15)	84H (5/21/15)	77H (5/21/15)	4.2 (5/21/15)	0.7 (5/21/15)	
32	neg					11/11/09 unless noted	0.96 (12/10/09)		365H	>60	74	26	21	3.9	0.9	
33	neg					4/14/10 unless noted	0.72		435H	>60	71	18	14	4	1.2	

	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK
34	neg	neg				2/25/10 unless noted	0.89			>60	100 (1/6/2010)	27 (1/6/2010)	20 (1/6/2010)	3.9 (1/6/2010)	1.1 (1/6/2010)
35	neg	neg	D-dimer 460 (high normal) (2/22/11)			11/30/11 unless noted	1.19		60 (8/31/11)	>60	87	23	13	4.4	1
36				3 (8/17/10)	1.1H	9/21/10 unless noted	0.79		32 (9/8/10)	>60	50	17	11	3.7	0.9
37				3 (8/17/10)	1.1H	10/26/12 unless noted	0.94		25 (8/10/12)	>60	48 (8/17/11)	12 (8/17/11)	17 (8/17/11)	4.1 (8/17/11)	0.4 (8/17/11)
38					7	10/22/14 unless noted	0.92		43 (9/23/14)	>60	77 (9/23/14)	21 (9/23/14)	18 (9/23/14)	4.3 (9/23/14)	0.5 (9/23/14)
39		neg	a-Smith, a-Mi2, a-JO1 all neg	7 (3/14/11)		1/14/15 unless noted	0.85			45 >60	63	15	15	4.1	0.4
40	neg	neg	a-Smith, SSA, SSB, ACLA IgG & IgM all neg	40H (11/19/11)	1.4H (11/19/11)	11/1-3/11 unless noted	1.87H	0.02 (11/18/11)		34L	225H	23	14	3.6	1.5H
41	neg	neg	CANCA/PANCA, a-Smith, SSA, SSB, ACLA IgG & IgM all neg; a-mito neg (6/9/12)	40H (11/19/11)	1.4H (11/19/11)	4/10/14 unless noted	1.51H	0.02 (1/23/14)	1116H (1/23/14)	43L	101 (2/19/14)	17 (2/19/14)	9 (2/19/14)	3.9 (2/19/14)	1.0 (2/19/14)
42	neg	neg	a-SM, SSA, SSB, a-mitochon all neg	60H	0.9	2/14/12 unless noted	0.86		274H (1/23/12)		72 (1/23/12)	27 (1/23/12)	20 (1/23/12)	3.6 (1/23/12)	0.6 (1/23/12)
43	neg	neg	a-SM, SSA, SSB, a-mitochon all neg	60H	0.9	3/26/14 unless noted	1.12		125H (6/3/13)		52	79	19	10	4.3
44	<1 (neg) (10/20/10)	neg (10/20/10)	a-SM, Sj-SSA/SSB, Proteinase- 3, Myeloperoxidase all neg (10/20/10)		0.6 4 (10/20/10)	3/5/12 unless noted	0.9		109H	>60	60 (11/15/10)	26 (11/15/10)	35 (11/15/10)	4.5 (11/15/10)	1 (11/15/10)
45	<1 (neg) (10/20/10)	neg (10/20/10)	a-SM, Sj-SSA/SSB, Proteinase- 3, Myeloperoxidase all neg (10/20/10)		0.6 4 (10/20/10)	11/3/14 unless noted	0.91			71 >60	59	14	16	4.4	0.7
46			CANCA, PANCA both neg (7/11/11)	25H	<0.5	3/21/12 unless noted	0.65		145H (6/15/11)	>60	200H (1/20/12)	50H (1/20/12)	36 (1/20/12)	3.8 (1/20/12)	0.6 (1/20/12)
47			CANCA, PANCA both neg (7/11/11); D-dimer 3.88H (5/26/12)	8	1.9H	6/14/12 unless noted	0.61	<0.01 (5/26/12)	46 (5/26/12)	>60	289H (5/26/12)	56H (5/26/12)	34 (5/26/12)	4.5 (5/26/12)	0.6 (5/26/12)
48		neg	a-Smith, SSA, SSB all neg (4/15/13); D-dimer=1320H (2/11/09)	12		3/7/13 unless noted	1.01	0.05 (2/12/09)	43 (2/6/13)		73 (2/6/13)	28 (2/6/13)	26 (2/6/13)	3.8 (2/6/13)	0.4 (2/6/13)
49		neg	a-Smith, SSA, SSB all neg (4/15/13); D-dimer=1320H (2/11/09)	12 (2/6/13)		1/8/14 unless noted	1.5H	0.00 (10/17/13)		38	72	26	23	4.2	0.6
50				9		4/3/13 unless noted	0.76		794H	>60	57 (3/12/13)	18 (3/12/13)	10 (3/12/13)	3.5 (3/12/13)	2.1H (3/12/13)

	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK
51				9		6/4/14 unless noted	1.18		859H	49	59 (4/23/14)	19 (4/23/14)	15 (4/23/14)	3.9 (4/23/14)	2.7H (4/23/14)
52	neg	neg	a-Smith, SSA, SSB, JO-1 all neg			7/31/13 unless noted	0.99		649H	56	71	30	15	3.3L	1.7H
53	neg	neg	a-Smith, SSA, SSB, JO-1 all neg			8/22/13 unless noted	0.99		649H (7/31/13)	56	71 (7/31/13)	30 (7/31/13)	15 (7/31/13)	3.3L (7/31/13)	1.7H (7/31/13)
54	neg	neg	a-Smith, SSA, SSB all neg			7/24/14 unless noted	1.8H		213H (6/11/14); [Nt-proBNP = 2024H (7/9/14)]	51	104 (7/9/14)	40H (7/9/14)	59 (7/9/14)	3.2L (7/9/14)	1.18H (7/9/14)
55	neg	neg	a-Smith, SSA, SSB all neg			1/21/15 unless noted	1.74H		134H	53	69 (4/22/15)	36 (4/22/15)	36 (4/22/15)	4.8 (4/22/15)	1.2 (4/22/15)

	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB
1	BUN (mg/dL)	NA (mmol/L)	O2 Sat Art (%)	RDW (%)	Hemoglobin (g/dL)	WHO Functional Class	DATE WHO Class	DATE 6MWT	6 Min WT (meters)	Borg Dyspnea Scale	O2 (L/PM)	ECHO (TTE) Date	Days B/T blood draw & ECHO	RAP4	Estimated RVSP (mmHg)	TR Jet (Peak Velocity m/s)	RA FXN
2	19		99% (11/6/03)		12.6 (10/6/06)			38805	302	5.0	3	38975	23	7	55	3.464101615	Sev dil
3	15		99% (11/6/03)		9.3L (3/20/09)							39878	19	20	131	5.267826876	Sev dil
4	17 (8/28/03)	143 (8/28/03)	97% (8/28/03)	11.6% (8/28/03)	15.9 (9/07)	2	38996	38996	467	3	0	38817	179	5	56	3.570714214	Mod dil
5	14 (11/4/09)	142 (12/3/09)	100% (12/3/09)	13.4% (12/3/09)	15.9 (12/23/08)	2	39834	40002	466	3	0	39834	168	15	77 (*may be underestimated due to incomplete envelope)	3.94	Mild dil
6	16		97% (1/03)		13.2	3	39013					39098	85	5	122	5.408326913	Sev dil
7	12	140	96% (1/22/09)	15.3H	10.5L	3	39835					39825	10	5	99	4.847679857	Sev dil
8	13		91.9% (8/07)		14.7	2	39013	39469	274	8	4	39028	15	7	75	4.123105626	Mild dil
9	19		91.9% (8/07)		12.5							39868	0	15	109	4.847679857	Sev dil
10	7	137	90% (9/04)	14.7%H	15.8	2		39297	350			39178	93	5	79	4.301162634	Mod dil
11	14	137	90% (9/04)	15.6%H (2/8/11)	15.2 (2/8/11)			40767	368	1	2?	40582	185	8	84.8	4.38178046	Mod dil
12	15 (11/16/06)	137 (11/16/06)	93% (11/16/06)	12% (11/16/06)	14.1 (11/16/06)	2	39456	39456	494	0		39141	0	5	49	3.31662479	Mod dil
13	17 (3/4/08)	138 (3/4/08)	93% (11/16/06)	11.9% (1/3/08)	13 (1/3/08)	2	39456	39456	494	0		39450	16	5	32	2.598076211	Mild dil
14	12	141	0.98	0.12	14.1			In a wheelchair				39142	62	5	73	4.123105626	normal
15	28H	135	98% (10/7/08)	19.3%H	14.4			2/22/11 @NJH	83 (in 2 min)		8	40254	0	20	117.5	4.937104415	Sev dil
16	19		93% (7/22/04)		15.3 (1/12/09)							39575	0	5	51	3.391164992	normal

	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB
17	27H	134		14% 1 (4/16/12)	15.4 (4/16/12)							41012	4	3	28.5	2.524876235	normal
18	13	134	88% (10/04)	11.7% (2/19/08)	17.0H (2/19/08)	3	39561	39580	270	2	6	39372	189	10	118	5.196152423	Mod dil
19	16 (6/12/13)	137 (6/12/13)		15.3%H 0.78 (6/12/13)	18.9H (6/12/13)	3	41493	41438	244	0/5	10	41436	1	3	93.5	4.756574398	Mod dil
20	11	136			11.8L							39547	173	10	84	4.301162634	Mod dil
21	11	142	94% (6/29/10)		12.1							39547	0	10	84	4.301162634	Mod dil
22	19				14.5	3	39588	12/00/07	450	?	?	4/11/2008 @Kaiser (Dr. Lang)	17	?	80-100	#N/A	Sev dil
23	21	138			14.4			7/00/09	468	?	?	4/11/2008 @Kaiser (Dr. Lang)	943	?	80-100	#N/A	Sev dil
24	13	139	92% (3/31/08)	13.4%H (3/31/08)	16 (3/31/08)							39538	44	10	91	4.5	Sev dil
25	11	132L	86%; 93% w/100% O2	17.7%H	11.5L	3	40575	40443	400	4.0	0	40567	9	15	101.9	4.661008475	Sev dil; Mod R-L shunt
26	27H	142	96% (2/19/09)	0.125	16.3				170 (4', 25 sec)	0.5; 7?	2	39848	15	10	95	4.609772229	Sev dil
27	24H	141	96% (2/19/09)	12.5% (2/4/09)	16.3 (2/4/09)				170 (4', 25 sec)	0.5; 7?	2	39848	112	10	95	4.609772229	Sev dil
28	8	140	95% (3/9/09)	12.7% (3/14/09)	17.2H (3/14/09)	1	39981	39981	364	0	0	39981	0	5	95	4.74341649	Sev dil
29	8	141	96% (5/29/14)	0.137	14.7	1	41788	41787	423	0	0	41787	1	3	53.3	3.546124645	Normal
30	16 (12/11/06)				15.1			40042	457	0.5	0	40042	0	5	82	4.387482194	normal
31	25	140			13.1 (5/21/15)	3	42170	42170	390	0	2	42058	112	15	95.2	4.477722635	Sev dil
32	17 (12/10/09)	140 (12/10/09)	93% (12/10/09)	13.3% (2/3/10)	13.7 (2/6/10)	3	40156	40247	90 (in 2 minutes)	2	2	8/14/2009 (Aurora Denver Cardiolog y)	118	?	71	#N/A	Mild dil
33	13	139	93% (12/10/09)	12.8% (2/6/10)	13.7 (2/6/10)	3	40156	40247	90 (in 2 minutes)	2	2	8/14/2009 (Aurora Denver Cardiolog y)	243	?	71	#N/A	Mild dil

	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB
34	15		98%; 100%	0.134	14.8			40184	323	2.0	2	40184	50	?	110	#N/A	Mod dil
35	13	133	98%; 100% (2/25/10)	14.6% (10/12/11)	14.2 (10/12/11)	2	41073	40786	481	3	2	41073	0	3	93.7	4.76182738	Mod dil
36	8	139		0.121	13.2	3	40441	40441	341	7	0	0 @ Rapid City Regional Hosp in SD @	40	10	74 (rest)/105 (w/exercise)		Mild to mod dil
37	16	135	0.98	0.126	13.9	2	41131	41131	527	3	0	41043	165	3	34.3	2.797320146	Normal
38	17	132L	0.94	14.5%H	14	2	41934	41311	425	1	2	41905	29	3	Estimate not poss. d/t incom. TR Env	#N/A	Normal
39	20	137		14.5%H	12.3	2	42018	42083	398	1	2	41905	113	3	Estimate not poss. d/t incom. TR Env	#N/A	normal
40	32H	142	98%; 99%	20.6%H	14.6	3	40840					40854	4	3	77	4.301162634	Mod dil
41	34H	132L	98%; 99% (11/3/11)	20.6%H	12.1			41689	210	1	4	41662	77	15	107.6	4.811444689	Sev dil
42	10	131L		0.137	13.7	3	40931	40996	186	7	4	40931	22	3	59	3.741657387	Mod dil
43	33H	138	100% (10/13/14)	0.149	11.7	3	41724	41505	235 (stopped during walk)	5	4	41463	261	3	48.7	3.380088756	Borderline dil
44	14	139	94%; 99% (11/24/10)	14.4%H (6/9/11)	12.1 (6/9/11)	3	40973	40973	400	3	0	40973	0	8	58.2	3.542597917	Mod dil
45	13	137	94%; 99% (11/24/10)	14.5%H	14.9	3	41946	41946	362	3	0	41946	0	8	85.2	4.393176527	Sev dil
46	7	138	95%; 94%	25%H	8.3L	1	40989	40989	475	0.5	0	40989	1	3	47.4	3.33166625	Normal
47	10	138	93%; 100%	25%H	7.3C			40989	475	0.5	0	41059	15	15	73.2	3.814446225	Mild dil
48	15	141	100%; 100%	0.131	13.1	2	41340	41513	262	1	0	41311	29	3	74.5	4.227883631	Normal
49	39H	139	100%; 100% (3/7/13)	13.6% (12/18/13)	12.3 (12/18/13)	2	41647	41513	262	1	0	41435	212	3	63.3	3.882653732	Normal
50	14	141	95% (5/30/13)	14.9%H (3/19/13)	11.0L (3/19/13)	3	41367	41367	271	5.0	3	41407	40	15	85.9	4.210106887	Sev dil

	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB
51	19	138	95% (5/30/13)	13.9% (4/23/14)	13.5 (4/23/14)	3	41794	41794	354	2	3	41794	0	15	98.6	4.57165178	Sev dil
52	22	142	98%; 100% (8/22/13)	0.14	17.2H	2-3	41486	41486	465	2	0	6/13/13 @Denver Health MC	48	"normal"	76 +RAP	#N/A	Mod to Sev Dil
53	25H	139	98%; 100%	0.137	16.4H	2	41508	41507	510	5	0	6/13/13 @Denver Health MC	70	"normal"	76 +RAP	#N/A	Mod to Sev Dil
54	18	139	98%; 100%	0.139	13.7L	2	41801	41801	376	3	2	4/29/14 @Cheyenne VA	86	10	56	3.391164992	Mild dil
55	18	140	100%; 100% (1/22/15)	15.2% (1/22/15)	12.8L (1/22/15)	2	42025	41934	392	3	2	42006	19	15	76.1	3.908324449	Sev dil

	DC	DD
1	RV Fxn	RV Dilation
2	Mild to Mod dil; Mild HoK	Mild to Moderate
3	Mod dil; Mod HoK	Moderate
4	Mod dil; Mod hypertrophy; Mild HoK	Moderate
5	Mod dil; Mild HoK	Moderate
6	Mod to Sev dil; Severe HoK	Moderate to Severe
7	Mod to sev dil; mod HoK	Moderate to Severe
8	Mild dil; Mod RVH	Mild
9	Sev dil; Mod to Sev HoK	Severe
10	Mild dil; Mod HoK	Mild
11	Mild dil; mild HoK	Mild
12	Mild dil	Mild
13	Mild dil	Mild
14	Mild HoK; borderline dil	Borderline dilated
15	Sev dil; mod HoK	Severe
16	Normal size and fxn	Normal

	DC	DD
17	Normal size and fxn	Normal
18	Mild dil; Mild RVH; Mod HoK	Mild
19	Mod dil; mild RVH, mild HoK	Moderate
20	Sev dil; Mild HoK	Severe
21	Sev dil; Mild HoK	Severe
22	Sev dil; severe hypertrophy	Severe
23	Sev dil; severe hypertrophy	Severe
24	Mod dil; Mod systolic dysfxn	Moderate
25	Sev dil; mod HoK	Severe
26	"Borderline" dil; mild HoK	"Borderline"
27	"Borderline" dil; mild HoK	"Borderline"
28	Sev dil; Mod HoK	Severe
29	Mod dil; Mod HoK	Moderate
30	Normal size; borderline HoK	normal
31	Mild dil; mild HoK	Mild
32	Mod dil; good fxn	Moderate
33	Mod dil; good fxn	Moderate

	DC	DD
34	Mod dil; Mod HoK	Moderate
35	Mod dil; Mod HoK	Moderate
36	Mild dil; some HoK	Mild
37	Normal structure and fxn	Normal
38	Mild dil; Mild HoK	Mild
39	Mild dil; Mild HoK	Mild
40	Mod dil; Mod HoK	Moderate
41	Sev dil; Sev HoK	Severe
42	Mod dil; mild HoK	Moderate
43	Normal size and fxn	Normal
44	Mod dil; severe HoK	Moderate
45	Severe dil; moderate systolic dysfxn	Severe
46	Mild dil; normal fxn	Mild
47	Mild dil; normal fxn	Mild
48	Mild dil; normal fxn	Mild
49	Normal size and fxn	Normal
50	Sev dil; Sev HoK	Severe

	DC	DD
51	Sev dil; Sev HoK	Severe
52	Mod to Sev Dil; Mildly reduced systolic fxn	Mod to Severe
53	Mod to Sev Dil; Mildly reduced systolic fxn	Mod to Severe
54	Mod dil; mild to mod RV Dysfxn	Moderate
55	Sev Dil; mild RVH; mod HoK	Severe