

Parameters of acute stay

Linear regression

		EF		E/e'		avcIB	
		means	p value	means	p value	means	p value
Sex			0.209		0.44		0.69
	M	50.1		10.1		22.7	
	F	53.9		9.38		21.7	
Cause of burn			0.937		0.0621		0.314
	Flame	51.6		10.5		21.3	
	Scald	51		8.18		26.4	
	Electrical	53		7.74		23.6	
Acute study drug			0.933		0.275		0.317
	Placebo	51		10.8		23.3	
	Oxandrolone	55.2		9.8		23.5	
	Propranolol	50.9		10		22.3	
	Other	53.2		6.9		19	
		slopes	p value	slopes	p value	slopes	p value
Age at burn		-0.0855	0.764	-0.0886	0.34	-0.0335	0.883
Length of hospitalization (days)		-0.0705	0.127	0.00967	0.526	0.0805	0.048
Time postburn (years)		0.0858	0.803	0.0248	0.825	0.383	0.179
Burn to admit (days)		0.134	0.502	-0.0324	0.618	0.0159	0.926
	log	2.24	0.267	-0.583	0.376	-2.3	0.15
Mechanical ventilation days		-0.0657	0.308	0.0206	0.329	0.0867	0.0995
	log	-1.65	0.141	0.597	0.108	2.09	0.0171
Number of operations		-0.437	0.181	0.0452	0.674	0.613	0.0685
Percent TBSA burned		-0.12	0.145	-0.00549	0.841	0.175	0.0033
Percent TBSA full-thickness burned		-0.0686	0.274	0.000757	0.971	0.0874	0.0589
Baux-score		-0.0886	0.15	-0.00515	0.802	0.127	0.0056

Logistic regression

		EF < 50%		EF < 40%		E/e' > 8		E/e' ≥ 12		avcIB > -15dB	
		prob	p value	prob	p value	prob	p value	prob	p value	prob	p value
Sex			0.342		0.37		0.728		1		1
	M	0.478		0.217		0.652		0.217		0.136	
	F	0.312		0.0625		0.733		0.2		0.125	
Cause of burn			0.862		1		0.00697		1		0.592
	Flame	0.379		0.172		0.821		0.214		0.179	
	Scald	0.6		0.2		0.4		0.2		0	
	Electrical	0.4		0		0.2		0.2		0	
Acute study drug			0.833		0.934		0.151		1		0.226
	Placebo	0.5		0.167		0.833		0.25		0.0909	
	Oxandrolone	0.25		0		0.75		0.25		0	
	Propranolol	0.389		0.222		0.706		0.235		0.111	
	Other	0.4		0		0.2		0		0.4	
		OR	p value	OR	p value	OR	p value	OR	p value	OR	p value
Age at burn		1.13	0.15	1.14	0.134	1.11	0.308	0.988	0.895	1.17	0.242
Length of hospitalization (days)		1.03	0.0666	1.02	0.174	1.02	0.174	0.996	0.788	1.01	0.289
Time postburn (years)		0.906	0.205	0.93	0.483	0.998	0.976	1.05	0.629	1.06	0.612
Burn to admit (days)		0.989	0.811	0.816	0.309	0.954	0.293	0.984	0.788	1.02	0.799
	log	0.662	0.381	0.329	0.203	0.475	0.121	0.658	0.484	0.712	0.632
Mechanical ventilation days		1.03	0.142	1.01	0.648	1.17	0.0807	0.989	0.623	1.02	0.348
	log	1.46	0.15	1.53	0.214	2.45	0.0152	1.12	0.708	1.5	0.271
Number of operations		1.13	0.15	1.14	0.134	1.11	0.308	0.988	0.895	1.17	0.242
Percent TBSA burned		1.02	0.299	1.04	0.113	1.02	0.26	0.986	0.538	1.07	0.0376
Percent TBSA full-thickness burned		1.01	0.48	1.05	0.0551	1.01	0.408	0.998	0.926	1.03	0.14
Baux-score		1.01	0.389	1.03	0.0945	1.02	0.203	0.989	0.523	1.1	0.0252
Sepsis		0.64	0.7023	0.595	0.999	3.5	0.395	0.172	0.35	0.686	0.999
Any inotrope administered		2.71	0.285	10.83	0.012	5.88	0.124	1.286	0.999	1.438	0.6527
Dobutamine administered		1.635	0.706	7.2	0.037	11	0.002	1.095	0.999	2.083	0.591

EF = ejection fraction. E/e' = ratio of E-wave to e'. avcIB = average calibrated integrated backscatter of septal and posterior LV wall. TBSA = total body surface area. Baux score = patient age + TBSA burned + 17 (if inhalation injury present). Prob: Probability. OR: Odds ratio.

Supplemental Table 1: Linear and logistic regression of parameters of acute hospitalization

Parameters of acute stay		Linear regression					
		EF		E/e'		avcIB	
		slope	p value	slope	p value	slope	p value
Cortisol ($\mu\text{g}/24\text{h}$, Urine)	max	0.0114	0.103	-0.00148	0.453	0.0016	0.739
	log	3.64	0.251	-0.0891	0.92	2.03	0.336
	mean	0.015	0.221	-0.00211	0.537	0.00456	0.579
	log	2.44	0.493	-0.237	0.81	2.44	0.294
Cortisol (pg/ml, Serum)	max	0.0705	0.501	0.021	0.737	0.0544	0.694
	log	1.79	0.651	0.397	0.867	3.12	0.549
	mean	0.112	0.569	0.0278	0.813	0.0458	0.87
	log	1.96	0.689	0.0443	0.988	1.82	0.786
NEPI ($\mu\text{g}/24\text{h}$, Urine)	max	0.013	0.366	-0.000995	0.84	-0.00968	0.317
	log	0.366	0.866	-0.198	0.789	-0.564	0.698
	mean	0.0163	0.48	-0.00245	0.753	-0.0104	0.503
	log	-0.078	0.972	-0.324	0.671	-0.266	0.861
EPI ($\mu\text{g}/24\text{h}$, Urine)	max	-0.00534	0.184	0.000464	0.736	0.000322	0.907
	log	-1.01	0.583	-0.297	0.63	-1.09	0.377
	mean	-0.0157	0.121	0.00142	0.684	0.000128	0.985
	log	-1.41	0.476	-0.405	0.544	-1.17	0.381
DOPA ($\mu\text{g}/24\text{h}$, Urine)	max	0.0181	0.111	-0.0036	0.358	-0.00597	0.446
	log	3.45	0.238	-0.697	0.488	-0.99	0.62
	mean	0.0216	0.208	-0.00482	0.409	-0.00834	0.478
	log	2.69	0.399	-0.523	0.629	-1.4	0.514
IL-1 β (pg/ml)	max	-0.0074	0.104	-0.0019	0.19	-0.00239	0.449
	log	-1.87	0.0383	-0.18	0.545	-0.556	0.382
	mean	-0.0383	0.132	-0.0104	0.197	-0.0121	0.49
	log	-2.34	0.0623	-0.38	0.352	-0.899	0.303
IL-2 (pg/ml)	max	-0.00204	0.95	-0.0168	0.0949	0.0296	0.176
	log	-1.45	0.288	-0.386	0.385	1.68	0.0666
	mean	-0.0174	0.949	-0.138	0.1	0.189	0.303

IL-4 (pg/ml)	log	-1.29	0.547	-0.714	0.298	1.54	0.292
	max	0.0105	0.145	0.00293	0.202	0.00187	0.708
	log	0.573	0.628	-0.0284	0.941	0.415	0.609
IL-5 (pg/ml)	mean	0.0626	0.146	0.0177	0.196	0.0106	0.722
	log	1.65	0.341	-0.0338	0.952	0.484	0.684
	max	-0.459	0.0763	-0.076	0.363	-0.108	0.549
IL-6 (pg/ml)	log	-2.56	0.171	-0.22	0.716	0.0564	0.965
	mean	-0.591	0.507	-0.393	0.156	-0.364	0.548
	log	-3.54	0.239	-0.944	0.323	-0.216	0.917
IL-7 (pg/ml)	max	-0.00067	0.183	-0.000122	0.447	-0.000070	0.839
	log	-0.619	0.641	0.173	0.683	1.4	0.11
	mean	-0.00281	0.253	-0.000494	0.527	-0.00027	0.873
IL-8 (pg/ml)	log	-0.744	0.668	0.212	0.702	1.67	0.146
	max	0.0127	0.816	-0.0325	0.0517	-0.0271	0.468
	log	-0.92	0.557	-0.52	0.29	0.228	0.85
IL-10 (pg/ml)	mean	0.0661	0.59	-0.0526	0.168	-0.051	0.544
	log	-0.556	0.762	-0.78	0.171	-0.142	0.918
	max	-0.00389	0.111	0.000919	0.238	0.0018	0.29
IL-12 (pg/ml)	log	-3.07	0.104	1.07	0.0742	2.21	0.107
	mean	-0.0141	0.162	0.0041	0.201	0.0047	0.506
	log	-3.37	0.147	1.45	0.044	1.9	0.266
IL-13 (pg/ml)	max	-0.00584	0.334	0.000335	0.862	-0.000705	0.865
	log	-1.83	0.09	0.0211	0.952	0.316	0.681
	mean	-0.0289	0.333	0.00133	0.889	-0.00405	0.843
IL-13 (pg/ml)	log	-2.11	0.16	0.0262	0.957	0.0719	0.945
	max	-0.00413	0.843	-0.0108	0.0918	0.014	0.32
	log	-1.64	0.21	-0.545	0.201	0.493	0.591
IL-13 (pg/ml)	mean	-0.0313	0.823	-0.0834	0.0507	0.0791	0.402
	log	-2.24	0.268	-1.14	0.0747	0.308	0.826
	max	0.0671	0.675	-0.0732	0.141	-0.122	0.257
IL-13 (pg/ml)	log	0.597	0.74	-0.899	0.105	-1.03	0.396
	mean	0.474	0.126	-0.0876	0.379	-0.214	0.316

IL-17 (pg/ml)	log	2.47	0.332	-0.99	0.217	-2.39	0.162
	max	-0.00584	0.334	0.000335	0.862	-0.000705	0.865
	log	-1.83	0.09	0.0211	0.952	0.316	0.681
GM-CSF (pg/ml)	mean	-0.0289	0.333	0.00133	0.889	-0.00405	0.843
	log	-2.11	0.16	0.0262	0.957	0.0719	0.945
	max	-0.0154	0.7	0.00264	0.837	0.0136	0.615
INF γ (pg/ml)	log	-0.719	0.581	-0.0381	0.93	0.968	0.299
	mean	-0.029	0.847	0.0206	0.669	0.0164	0.874
	log	-0.998	0.536	0.0175	0.974	0.624	0.587
TNF α (pg/ml)	max	-0.0146	0.0365	-0.0034	0.133	-0.00306	0.535
	log	-1.44	0.16	-0.169	0.608	0.321	0.66
	mean	-0.0569	0.0499	-0.0112	0.236	-0.012	0.555
G-CSF (pg/ml)	log	-2.02	0.114	-0.233	0.581	0.0109	0.991
	max	-0.0249	0.0454	-0.00589	0.142	-0.00706	0.418
	log	-2.1	0.0553	-0.468	0.187	-0.49	0.535
MCP-1 (pg/ml)	mean	-0.0672	0.0705	-0.0147	0.218	-0.0176	0.497
	log	-3.53	0.0113	-0.6	0.199	-0.842	0.405
	max	-0.00299	0.0461	0.0000668	0.892	0.000427	0.687
MIP-1b (pg/ml)	log	-2.25	0.0907	0.000433	0.999	1.05	0.277
	mean	-0.0164	0.0331	-0.00118	0.645	0.00138	0.802
	log	-2.65	0.0808	-0.0908	0.858	0.752	0.51
DOPA (pg/ml)	max	-0.00256	0.346	-0.000782	0.362	0.00113	0.548
	log	-2.18	0.27	-0.45	0.476	0.969	0.492
	mean	-0.0000154	0.998	-0.00173	0.341	0.000231	0.954
EPI (pg/ml)	log	-0.964	0.657	-0.516	0.45	0.295	0.852
	max	-0.00772	0.572	-0.00226	0.6	-0.00221	0.817
	log	-1.32	0.537	-0.147	0.829	0.52	0.749
NEPI (pg/ml)	mean	-0.011	0.712	-0.000719	0.939	-0.0145	0.487
	log	-1.32	0.605	-0.0394	0.961	-0.608	0.761

EF = ejection fraction. E/e' = ratio of E-wave to e'. avcIB = average calibrated integrated backscatter of septal and posterior LV wall. NEPI = norepinephrine. EPI = epinephrine. DOPA = dopamine. OR = odds ratio.

Supplemental table 2a: Linear regression of biomarkers during acute hospitalization

Parameters of acute stay		Logistic regression									
		EF < 50%		EF < 40%		E/e' > 8		E/e' ≥ 12		avcIB > -15	
		OR	p value	OR	p value	OR	p value	OR	p value	OR	p value
Cortisol (µg/24h, Urine)	max	0.999	0.46	0.998	0.438	0.999	0.501	0.998	0.419	1	0.358
	log	0.829	0.769	0.718	0.652	1.12	0.868	0.683	0.58	4.8	0.208
	mean	0.998	0.555	0.999	0.687	0.999	0.657	0.997	0.375	1	0.22
Cortisol (pg/ml, Serum)	log	0.94	0.93	0.875	0.866	1.08	0.914	0.591	0.495	8.1	0.185
	max	0.972	0.511	1.02	0.742	1.01	0.778	1	1	0.971	0.386
	log	0.36	0.482	3.21	0.589	1.04	0.972	0.688	0.721	0.495	0.534
NEPI (µg/24h, Urine)	mean	0.939	0.433	1.03	0.753	1.01	0.811	0.975	0.635	0.919	0.242
	log	0.225	0.395	3.65	0.633	0.77	0.845	0.406	0.493	0.225	0.315
	max	0.997	0.398	0.998	0.568	1	0.779	0.992	0.242	0.997	0.585
EPI (µg/24h, Urine)	log	1.01	0.985	1.22	0.692	0.838	0.723	0.56	0.244	0.806	0.72
	mean	0.995	0.386	0.996	0.544	1	0.97	0.991	0.252	0.998	0.825
	log	1.04	0.938	1.14	0.799	0.735	0.561	0.583	0.277	0.98	0.974
DOPA (µg/24h, Urine)	max	1	0.392	1	0.267	1.01	0.466	0.999	0.601	0.984	0.466
	log	1.23	0.572	1.17	0.696	1.48	0.454	0.504	0.218	0.599	0.469
	mean	1.01	0.285	1	0.283	1.01	0.651	1	0.951	0.961	0.342
IL-1β (pg/ml)	log	1.36	0.448	1.13	0.784	1.33	0.586	0.551	0.286	0.537	0.444
	max	0.998	0.489	1	0.859	0.997	0.221	0.996	0.246	0.997	0.475
	log	0.717	0.579	1.19	0.795	0.422	0.254	0.459	0.239	0.621	0.567
IL-2 (pg/ml)	mean	0.998	0.54	0.999	0.865	0.996	0.297	0.994	0.223	0.997	0.57
	log	0.791	0.714	1.15	0.847	0.572	0.46	0.48	0.291	0.539	0.496
	max	1	0.449	1	0.11	0.998	0.148	0.981	0.561	0.871	0.33
IL-1β (pg/ml)	log	1.31	0.172	1.63	0.0373	0.851	0.393	0.861	0.527	0.549	0.239
	mean	1	0.424	1.01	0.174	0.982	0.277	0.983	0.619	0.533	0.377
	log	1.44	0.191	1.75	0.0651	0.763	0.302	0.794	0.508	0.243	0.237
IL-2 (pg/ml)	max	0.997	0.665	1	0.834	0.989	0.332	0.959	0.377	1.02	0.384
	log	1.11	0.689	1.5	0.215	0.888	0.68	0.794	0.501	1.96	0.103
	mean	0.988	0.83	1.01	0.921	0.919	0.242	0.941	0.566	1.14	0.127

IL-4 (pg/ml)	log	1.25	0.587	1.31	0.574	0.77	0.553	0.715	0.537	2.77	0.089
	max	0.988	0.516	0.997	0.746	1	0.654	1	0.378	1	0.897
	log	0.85	0.506	1.11	0.704	0.833	0.449	1.28	0.327	1.2	0.541
IL-5 (pg/ml)	mean	0.94	0.581	0.974	0.808	1.01	0.653	1.02	0.405	0.998	0.872
	log	0.76	0.49	0.906	0.83	0.773	0.459	1.45	0.307	1.35	0.432
	max	1.12	0.1	1.2	0.0209	0.963	0.471	0.949	0.491	0.958	0.656
IL-6 (pg/ml)	log	1.7	0.171	4.91	0.015	0.848	0.673	1.01	0.973	1.04	0.941
	mean	1.21	0.306	1.39	0.0918	0.889	0.503	0.793	0.427	0.84	0.617
	log	2.21	0.201	6.13	0.0309	0.758	0.652	0.764	0.706	0.821	0.824
IL-7 (pg/ml)	max	1	0.408	1	0.317	1	0.319	1	0.735	1	0.893
	log	0.939	0.806	1.59	0.216	0.852	0.574	1.33	0.37	1.31	0.493
	mean	1	0.421	1	0.192	0.999	0.327	1	0.784	1	0.987
IL-8 (pg/ml)	log	0.964	0.912	1.62	0.286	0.825	0.6	1.48	0.347	1.56	0.393
	max	1	0.978	1.01	0.292	0.992	0.442	0.972	0.158	0.999	0.927
	log	1.13	0.694	1.71	0.286	0.889	0.725	0.833	0.585	0.931	0.883
IL-10 (pg/ml)	mean	1	0.988	1.02	0.402	0.999	0.957	0.944	0.209	0.996	0.905
	log	1.17	0.666	1.55	0.391	0.891	0.764	0.694	0.36	0.952	0.93
	max	1	0.369	1	0.133	1	0.0846	1	0.58	0.999	0.53
IL-12 (pg/ml)	log	1.8	0.15	2.71	0.0582	4.29	0.0321	1.26	0.59	0.874	0.821
	mean	1	0.21	1	0.519	1.03	0.0186	1	0.915	0.999	0.727
	log	2.63	0.0759	1.97	0.254	11.8	0.013	1.38	0.55	0.916	0.903
IL-13 (pg/ml)	max	1.02	0.203	0.999	0.784	1	0.642	0.978	0.434	0.998	0.788
	log	1.31	0.243	1.5	0.135	1.06	0.817	0.773	0.369	1.14	0.671
	mean	1.07	0.34	0.997	0.777	1.01	0.63	0.971	0.692	0.991	0.778
IL-13 (pg/ml)	log	1.63	0.178	1.24	0.514	1.12	0.737	0.767	0.536	1.17	0.683
	max	0.999	0.761	1	0.619	0.993	0.304	0.938	0.477	1.01	0.169
	log	1.18	0.525	1.75	0.0784	0.843	0.536	0.684	0.323	1.44	0.277
IL-13 (pg/ml)	mean	0.993	0.805	1.01	0.659	0.928	0.274	0.84	0.483	1.06	0.139
	log	1.35	0.462	1.76	0.203	0.688	0.372	0.497	0.313	1.83	0.207
	max	1	0.897	1.02	0.504	0.994	0.863	0.765	0.283	0.983	0.762
IL-13 (pg/ml)	log	1.04	0.901	1.36	0.441	0.762	0.451	0.403	0.158	1.04	0.945
	mean	0.952	0.558	0.928	0.671	1.03	0.749	0.637	0.302	0.836	0.67

IL-17 (pg/ml)	log	0.969	0.949	0.94	0.922	0.89	0.822	0.263	0.194	0.649	0.639
	max	1.02	0.203	0.999	0.784	1	0.642	0.978	0.434	0.998	0.788
	log	1.31	0.243	1.5	0.135	1.06	0.817	0.773	0.369	1.14	0.671
GM-CSF (pg/ml)	mean	1.07	0.34	0.997	0.777	1.01	0.63	0.971	0.692	0.991	0.778
	log	1.63	0.178	1.24	0.514	1.12	0.737	0.767	0.536	1.17	0.683
	max	1	0.645	1.01	0.235	1	0.866	1	0.886	0.997	0.818
INF γ (pg/ml)	log	1.09	0.72	1.09	0.797	1.01	0.96	1.01	0.965	1.16	0.713
	mean	1.02	0.595	1.01	0.838	1.01	0.691	1.01	0.767	0.969	0.548
	log	1.29	0.43	0.961	0.918	1.19	0.624	0.958	0.91	1.04	0.933
TNF α (pg/ml)	max	1	0.232	1.01	0.0891	0.997	0.226	0.995	0.319	0.997	0.541
	log	1.17	0.445	1.65	0.118	0.882	0.572	1.02	0.936	0.817	0.5
	mean	1.02	0.19	1.01	0.235	0.99	0.287	0.99	0.546	0.964	0.32
G-CSF (pg/ml)	log	1.38	0.227	1.48	0.248	0.908	0.726	1.02	0.945	0.707	0.389
	max	1	0.292	1.01	0.116	0.994	0.167	0.993	0.445	0.951	0.29
	log	1.29	0.265	1.57	0.117	0.745	0.226	0.851	0.544	0.503	0.166
MCP-1 (pg/ml)	mean	1.05	0.249	1.04	0.378	0.966	0.366	0.99	0.65	0.809	0.236
	log	1.86	0.0669	1.91	0.0911	0.702	0.263	0.834	0.608	0.396	0.174
	max	1	0.262	1	0.0541	1	0.861	1	0.869	1	0.718
MIP-1b (pg/ml)	log	1.48	0.179	3.48	0.0244	0.99	0.972	0.903	0.738	1.19	0.668
	mean	1	0.123	1	0.0312	1	0.762	0.999	0.64	1	0.89
	log	1.85	0.0888	3.36	0.0431	1.02	0.949	0.814	0.561	1.22	0.69
MCP-1 (pg/ml)	max	1	0.745	1	0.0589	1	0.704	0.999	0.213	1	0.108
	log	1.27	0.546	3.09	0.0571	0.936	0.874	0.628	0.328	2.81	0.132
	mean	1	0.876	1	0.27	1	0.81	0.995	0.159	1	0.0977
MIP-1b (pg/ml)	log	1.22	0.634	1.64	0.351	1.01	0.981	0.541	0.252	2.69	0.156
	max	0.998	0.551	1	0.451	0.999	0.699	0.997	0.339	0.99	0.165
	log	0.832	0.655	1.63	0.397	0.84	0.7	0.96	0.931	0.446	0.237
	mean	1	0.986	1.01	0.449	1	0.864	0.999	0.87	0.974	0.12
	log	1.04	0.938	1.7	0.435	1.04	0.936	1.13	0.833	0.231	0.126

EF = ejection fraction. E/e' = ratio of E-wave to e'. avcIB = average calibrated integrated backscatter of septal and posterior LV wall. NEPI = norepinephrine. EPI = epinephrine. DOPA = dopamine. OR = odds ratio.

Supplemental table 2b: Logistic regression of biomarkers during acute hospitalization

Long-term parameters		Linear regression					
		EF		E/e'		avcIB	
		slope	p value	slope	p value	slope	p value
Cortisol ($\mu\text{g}/24\text{h}$, Urine)	max	-0.0102	0.426	-0.00346	0.427	-0.00165	0.855
	log	-2.19	0.326	-0.505	0.509	0.587	0.71
	mean	-0.00619	0.811	0.00161	0.855	0.0194	0.278
	log	-1.9	0.473	-0.0518	0.954	2.37	0.195
Cortisol (pg/ml, Serum)	max	-0.0767	0.115	-0.00433	0.869	0.0123	0.838
	log	-5.04	0.143	-0.0359	0.985	1.58	0.706
	mean	-0.0845	0.063	-0.00285	0.909	0.00434	0.939
	log	-6.49	0.0257	0.0632	0.969	0.405	0.914
NEPI ($\mu\text{g}/24\text{h}$, Urine)	max	-0.0158	0.578	-0.0088	0.409	-0.0254	0.303
	log	-1.69	0.237	-0.65	0.229	-1.04	0.408
	mean	-0.0407	0.611	-0.0266	0.377	-0.0348	0.62
	log	-1.85	0.289	-0.841	0.198	-0.719	0.641
EPI ($\mu\text{g}/24\text{h}$, Urine)	max	-0.0203	0.212	-0.00793	0.197	-0.0103	0.475
	log	-0.825	0.54	-1.03	0.0352	-0.979	0.405
	mean	-0.0695	0.33	-0.0319	0.233	-0.0461	0.465
	log	-0.933	0.6	-1.21	0.0621	-0.828	0.597
DOPA ($\mu\text{g}/24\text{h}$, Urine)	max	-0.00418	0.52	-0.00206	0.398	-0.00364	0.519
	log	-2.04	0.262	-0.972	0.153	-1.11	0.485
	mean	-0.00759	0.513	-0.00432	0.321	-0.00724	0.475
	log	-2.17	0.285	-0.994	0.192	-0.857	0.634
IL-1 β (pg/ml)	max	-0.0182	0.102	0.00347	0.374	0.00627	0.504
	log	-1.09	0.274	0.265	0.441	0.567	0.49
	mean	-0.105	0.147	0.0222	0.378	0.0384	0.527
	log	-1.24	0.414	0.439	0.399	0.773	0.534
IL-2 (pg/ml)	max	0.0162	0.514	0.011	0.193	0.0449	0.0148
	log	0.555	0.618	0.362	0.341	2.03	0.014
	mean	0.0991	0.398	0.0515	0.197	0.201	0.00127

	log	1.6	0.318	0.534	0.332	3.06	0.00547
IL-4 (pg/ml)	max	0.106	0.0791	0.000732	0.973	0.0144	0.779
	log	1.56	0.275	0.191	0.7	1.39	0.229
	mean	0.175	0.0451	-0.0115	0.714	-0.0184	0.806
	log	2.62	0.121	0.00254	0.997	1.16	0.394
IL-5 (pg/ml)	max	-0.22	0.236	0.0472	0.464	0.0763	0.623
	log	-1.25	0.515	0.291	0.661	0.793	0.621
	mean	-0.351	0.634	0.112	0.657	0.149	0.807
	log	-1.87	0.526	0.425	0.676	1.05	0.667
IL-6 (pg/ml)	max	-0.0075	0.346	-0.00173	0.531	-0.00332	0.617
	log	-0.717	0.509	-0.23	0.538	0.443	0.622
	mean	0.000273	0.989	-0.00945	0.159	-0.0124	0.448
	log	-0.871	0.549	-0.379	0.448	0.542	0.649
IL-7 (pg/ml)	max	-0.066	0.17	0.014	0.402	0.0306	0.448
	log	-1.77	0.257	0.414	0.445	1.41	0.277
	mean	-0.192	0.293	0.0476	0.452	0.11	0.472
	log	-1.94	0.321	0.434	0.523	1.62	0.321
IL-8 (pg/ml)	max	-0.0108	0.312	0.00269	0.466	-0.0017	0.847
	log	-0.201	0.869	0.0498	0.905	-1.24	0.196
	mean	0.0392	0.424	0.000814	0.962	-0.0521	0.186
	log	0.481	0.745	0.0294	0.954	-1.95	0.0916
IL-10 (pg/ml)	max	0.00617	0.871	0.000891	0.946	0.0123	0.694
	log	0.517	0.662	0.275	0.498	1.18	0.232
	mean	0.13	0.413	-0.00388	0.944	0.039	0.768
	log	1.65	0.33	0.432	0.46	1.71	0.224
IL-12 (pg/ml)	max	-0.0299	0.56	0.00603	0.733	0.0366	0.386
	log	0.194	0.885	-0.03	0.948	1.12	0.322
	mean	-0.00904	0.972	0.0259	0.767	0.125	0.554
	log	0.825	0.688	0.0393	0.956	1.4	0.417
IL-13 (pg/ml)	max	0.204	0.147	-0.00994	0.84	-0.0573	0.628
	log	0.565	0.769	0.2	0.762	-0.474	0.764
	mean	0.267	0.0774	-0.016	0.766	-0.0738	0.565

IL-17 (pg/ml)	log	1.82	0.42	0.347	0.656	-0.711	0.702
	max	0.00617	0.871	0.000891	0.946	0.0123	0.694
	log	0.517	0.662	0.275	0.498	1.18	0.232
GM-CSF (pg/ml)	mean	0.13	0.413	-0.00388	0.944	0.039	0.768
	log	1.65	0.33	0.432	0.46	1.71	0.224
	max	-0.00523	0.73	0.00684	0.182	0.0266	0.024
INF γ (pg/ml)	log	-0.7	0.575	0.602	0.154	2.77	0.00503
	mean	0.0152	0.872	0.0436	0.172	0.192	0.000597
	log	0.218	0.9	0.872	0.135	3.6	0.00516
TNF α (pg/ml)	max	-0.0000421	0.998	0.00516	0.295	0.00757	0.526
	log	0.129	0.897	0.153	0.653	0.386	0.637
	mean	0.0367	0.487	0.0179	0.323	0.037	0.395
G-CSF (pg/ml)	log	0.679	0.619	0.267	0.57	0.788	0.482
	max	-0.0234	0.151	0.00468	0.41	0.00948	0.488
	log	-0.852	0.456	0.365	0.352	0.634	0.496
MCP-1 (pg/ml)	mean	-0.103	0.265	0.0268	0.403	0.0591	0.443
	log	-0.494	0.761	0.564	0.308	0.813	0.538
	max	-0.00651	0.433	0.00154	0.592	0.00231	0.737
MIP-1b (pg/ml)	log	0.315	0.79	-0.227	0.575	-0.101	0.917
	mean	0.0225	0.581	0.00263	0.851	-0.00114	0.973
	log	1.61	0.288	-0.469	0.369	-0.626	0.621
MCP-1 (pg/ml)	max	-0.00359	0.486	0.000628	0.724	0.0000448	0.992
	log	-1.06	0.598	0.266	0.701	-1.15	0.476
	mean	0.000331	0.958	0.0000298	0.989	-0.00194	0.704
MIP-1b (pg/ml)	log	-0.0474	0.98	0.117	0.854	-1.47	0.325
	max	-0.0185	0.267	-0.00234	0.686	-0.00963	0.487
	log	-2.24	0.416	-0.364	0.703	-1.23	0.59
MIP-1b (pg/ml)	mean	-0.0232	0.527	-0.00247	0.845	-0.0302	0.312
	log	-1.71	0.638	-0.346	0.782	-2.53	0.391

EF = ejection fraction. E/e' = ratio of E-wave to e'. avcIB = average calibrated integrated backscatter of septal and posterior LV wall. NEPI = norepinephrine. EPI = epinephrine. DOPA = dopamine. OR = odds ratio.

Supplemental table 3a: Linear regression of biomarkers between discharge from acute hospitalization and study date

Long-term parameters		Logistic regression									
		EF < 50%		EF < 40%		E/e' > 8		E/e' ≥ 12		avcIB > -15	
		OR	p value	OR	p value	OR	p value	OR	p value	OR	p value
Cortisol (µg/24h, Urine)	max	1	0.444	1	0.224	0.998	0.414	0.997	0.359	0.999	0.84
	log	1.34	0.55	1.43	0.55	0.546	0.368	0.688	0.436	1.05	0.942
	mean	1	0.695	1	0.431	0.996	0.434	0.999	0.882	1	0.619
	log	1.37	0.576	1.32	0.667	0.619	0.482	0.785	0.67	2.08	0.408
Cortisol (pg/ml, Serum)	max	1.04	0.21	1.02	0.204	0.986	0.342	1	0.918	0.983	0.559
	log	5.66	0.148	11	0.151	0.343	0.28	1.42	0.697	0.573	0.639
	mean	1.14	0.288	1.02	0.189	0.989	0.385	1	0.972	0.971	0.576
	log	38.8	0.173	8.75	0.147	0.481	0.372	0.984	0.984	0.41	0.519
NEPI (µg/24h, Urine)	max	0.999	0.847	0.998	0.778	0.993	0.284	0.999	0.895	1	0.961
	log	1.32	0.413	1.2	0.665	0.707	0.348	0.941	0.863	1.45	0.428
	mean	0.994	0.729	0.996	0.863	0.988	0.518	0.997	0.887	1.01	0.514
	log	1.28	0.539	1.27	0.639	0.698	0.416	0.864	0.733	2	0.273
EPI (µg/24h, Urine)	max	1	0.371	1.01	0.221	0.996	0.32	0.978	0.266	0.994	0.653
	log	1.17	0.604	1.41	0.383	0.827	0.559	0.547	0.123	1.12	0.776
	mean	1.02	0.395	1.03	0.165	0.987	0.44	0.962	0.345	0.994	0.817
	log	1.21	0.632	1.5	0.436	0.889	0.781	0.506	0.169	1.46	0.498
DOPA (µg/24h, Urine)	max	1	0.572	1	0.58	0.999	0.473	0.999	0.72	1	0.919
	log	1.43	0.426	1.83	0.343	0.62	0.346	0.651	0.337	1.4	0.588
	mean	1	0.602	1	0.388	0.998	0.381	0.998	0.533	1	0.996
	log	1.4	0.487	2.1	0.294	0.636	0.402	0.612	0.33	1.49	0.561
IL-1β (pg/ml)	max	1.01	0.426	1.01	0.319	1.09	0.303	1.01	0.328	0.986	0.566
	log	1.1	0.654	1.45	0.128	1.62	0.116	1.49	0.103	0.892	0.721
	mean	1.03	0.451	1.04	0.298	1.35	0.318	1.06	0.297	0.907	0.524
	log	1.16	0.645	1.65	0.159	2.81	0.106	1.87	0.0914	0.726	0.573
IL-2 (pg/ml)	max	0.994	0.376	0.999	0.858	1.01	0.282	1.02	0.0787	1	0.488
	log	0.872	0.56	0.994	0.984	1.42	0.211	1.75	0.0576	1.26	0.437
	mean	0.971	0.369	0.993	0.825	1.12	0.247	1.08	0.109	1.03	0.176

IL-4 (pg/ml)	log	0.778	0.465	0.821	0.65	1.82	0.168	2.1	0.0732	1.45	0.338
	max	0.992	0.557	0.973	0.584	1.05	0.441	1	0.746	1.01	0.504
	log	0.892	0.704	0.763	0.522	1.71	0.187	1.4	0.317	1.61	0.207
IL-5 (pg/ml)	mean	0.975	0.469	0.785	0.409	1.08	0.572	0.984	0.697	1	0.99
	log	0.868	0.698	0.502	0.36	1.74	0.292	1.07	0.876	1.55	0.283
	max	1.04	0.473	1.1	0.231	1.32	0.129	1.08	0.218	0.888	0.528
IL-6 (pg/ml)	log	1.05	0.901	1.98	0.163	2.18	0.137	1.76	0.233	0.698	0.577
	mean	1.09	0.608	1.29	0.139	2.18	0.184	1.19	0.287	0.731	0.53
	log	1.35	0.628	2.93	0.135	4.2	0.123	1.93	0.341	0.498	0.522
IL-7 (pg/ml)	max	1	0.8	1	0.501	0.998	0.295	1	0.242	0.997	0.478
	log	0.888	0.603	1.11	0.691	0.864	0.532	1.41	0.221	0.99	0.974
	mean	0.995	0.374	0.998	0.791	0.992	0.253	1	0.901	0.995	0.666
IL-8 (pg/ml)	log	0.866	0.638	1.06	0.88	0.821	0.531	1.45	0.306	1.07	0.875
	max	1.01	0.544	1.02	0.162	1.03	0.193	1.02	0.175	0.97	0.42
	log	1.07	0.842	1.84	0.194	1.7	0.155	1.8	0.205	0.875	0.771
IL-10 (pg/ml)	mean	1.01	0.711	1.07	0.139	1.09	0.104	1.06	0.227	0.911	0.264
	log	1.08	0.848	1.91	0.261	1.97	0.137	1.71	0.332	0.711	0.549
	max	1	0.59	1	0.238	1	0.507	1	0.133	0.985	0.221
IL-12 (pg/ml)	log	0.931	0.778	1.29	0.446	1.11	0.682	1.08	0.796	0.561	0.129
	mean	0.995	0.643	1	0.839	1	0.679	1.01	0.633	0.971	0.209
	log	0.906	0.75	1.11	0.786	1.16	0.64	0.974	0.942	0.496	0.123
IL-13 (pg/ml)	max	0.994	0.491	1.01	0.447	0.994	0.435	1.01	0.493	0.985	0.544
	log	0.752	0.27	1.32	0.351	1.01	0.963	1.36	0.303	1.09	0.798
	mean	0.961	0.326	1	0.995	0.961	0.281	1.01	0.724	0.971	0.664
IL-13 (pg/ml)	log	0.673	0.293	1.13	0.767	0.975	0.945	1.5	0.323	1.21	0.699
	max	0.998	0.858	1.01	0.3	1.01	0.61	1.01	0.229	0.977	0.579
	log	0.735	0.294	1.1	0.766	1.08	0.803	1.38	0.344	1.03	0.942
IL-13 (pg/ml)	mean	0.988	0.814	1.06	0.34	1.05	0.49	1.06	0.278	0.89	0.515
	log	0.717	0.45	1.12	0.817	1.34	0.523	1.38	0.519	0.876	0.833
	max	0.974	0.48	0.994	0.884	1.09	0.396	0.997	0.942	0.962	0.681
IL-13 (pg/ml)	log	0.927	0.85	1.2	0.697	1.8	0.238	1.29	0.574	0.687	0.566
	mean	0.962	0.474	0.964	0.685	2.39	0.158	0.96	0.687	0.779	0.635

IL-17 (pg/ml)	log	0.936	0.889	0.988	0.983	7.21	0.102	0.991	0.987	0.514	0.546
	max	0.994	0.491	1.01	0.447	0.994	0.435	1.01	0.493	0.985	0.544
	log	0.752	0.27	1.32	0.351	1.01	0.963	1.36	0.303	1.09	0.798
GM-CSF (pg/ml)	mean	0.961	0.326	1	0.995	0.961	0.281	1.01	0.724	0.971	0.664
	log	0.673	0.293	1.13	0.767	0.975	0.945	1.5	0.323	1.21	0.699
	max	1	0.46	0.999	0.869	1.02	0.218	1.03	0.0984	1.01	0.254
INF γ (pg/ml)	log	1.17	0.561	1.34	0.381	1.67	0.104	2.04	0.0925	2.05	0.131
	mean	1.01	0.526	0.972	0.509	1.04	0.344	1.04	0.165	1.05	0.0424
	log	1.22	0.589	0.981	0.965	1.98	0.119	2	0.163	2.65	0.0907
TNF α (pg/ml)	max	0.997	0.435	1	0.465	1	0.413	1.01	0.0702	0.997	0.587
	log	0.801	0.302	1.09	0.72	1.17	0.478	1.38	0.254	0.997	0.993
	mean	0.982	0.252	1	0.932	1.01	0.42	1.02	0.109	0.985	0.577
G-CSF (pg/ml)	log	0.716	0.267	1.01	0.974	1.33	0.348	1.52	0.262	0.954	0.906
	max	1	0.487	1.01	0.298	1.01	0.536	1.01	0.382	0.986	0.554
	log	1.02	0.944	1.34	0.318	1.24	0.395	1.7	0.112	0.843	0.618
MCP-1 (pg/ml)	mean	1.01	0.574	1.03	0.227	1.06	0.382	1.04	0.219	0.855	0.266
	log	0.993	0.984	1.25	0.58	1.53	0.261	1.81	0.184	0.619	0.349
	max	1	0.875	1	0.224	1	0.837	1	0.184	0.998	0.598
MIP-1b (pg/ml)	log	0.693	0.197	1.13	0.701	0.946	0.829	1.18	0.611	1.15	0.712
	mean	0.989	0.262	1	0.826	0.996	0.661	1.01	0.249	0.987	0.476
	log	0.517	0.113	0.832	0.613	0.828	0.586	1.04	0.923	1.02	0.957
DOPA (pg/ml)	max	1	0.448	1	0.109	1	0.432	1	0.831	1	0.846
	log	1.38	0.447	2.31	0.175	1.36	0.487	0.806	0.667	0.449	0.199
	mean	1	0.619	1	0.426	1	0.726	0.997	0.327	1	0.474
EPI (pg/ml)	log	1.37	0.425	1.39	0.485	1.18	0.683	0.607	0.314	0.519	0.282
	max	0.998	0.575	1.01	0.192	0.998	0.591	1	0.91	0.981	0.139
	log	0.628	0.433	2.02	0.345	0.82	0.741	1.19	0.8	0.241	0.131
OR	mean	0.993	0.385	1.01	0.488	0.999	0.873	1	0.803	0.956	0.0863
	log	0.471	0.338	1.47	0.678	0.903	0.896	1.17	0.866	0.0819	0.0666

EF = ejection fraction. E/e' = ratio of E-wave to e'. avcIB = average calibrated integrated backscatter of septal and posterior LV wall. NEPI = norepinephrine. EPI = epinephrine. DOPA = dopamine. OR = odds ratio.

Supplemental table 3b: Logistic regression of biomarkers between discharge from acute hospitalization and study date