

Supplemental Tables

Sample correlations, sample variances, and discrepancies (N=104)

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
1. Karnofsky Performance Status	93.3	0.00	0.00	0.01	0.14	0.07	0.25	0.02	-0.02	0.06
2. Distant disease	-.20	0.20	0.00	-0.05	0.01	0.01	-0.04	-0.01	-0.01	0.07
3. Partner Status	.13	-.11	0.20	0.18	0.16	0.21	0.07	-0.02	0.09	0.01
4. Norepinephrine	-.01	.05	-.18	89680	-0.01	-0.02	-0.03	0.13	0.04	0.1
5. Cortisol	-.14	-.01	-.16	.31	32.9	-0.06	0.03	-0.18	-0.25	-0.24
6. ACTH	-.07	-.01	-.21	.47	.56	579.5	-0.02	-0.05	0.01	-0.05
7. Epinephrine	-.25	.04	-.07	.47	.45	.75	16753	-0.21	-0.13	-0.15
8. Fatigue (FSI)	-.52	.20	-.15	-.03	.29	.22	.37	6.50	-0.02	0.00
9. Depression (CES-D)	-.45	.18	-.26	.06	.35	.16	.28	.70	83.3	0.00
10. Pain (BPI)	-.51	.09	-.17	-.01	.34	.20	.30	.65	.62	362.3

Note: Sample correlations are provided below the diagonal, sample variances are on the diagonal, and the discrepancies between sample correlations and the correlations implied by the model are above the diagonal. CES-D=Center for Epidemiological Studies – Depression Scale, BPI=Brief Pain Inventory, FSI=Fatigue Symptom Inventory

Parameter estimates

		Estimate	Standard Error	Standardized Estimate	P
Regression Weights					
BPI	<--- PDF	10.89	1.39	.77	<.001
CESD	<--- PDF	5.44	0.65	.80	<.001
FSI	<--- PDF	1.62	0.18	.85	<.001
Cortisol	<--- HPA / SNS	3.24	0.63	.57	<.001
ACTH	<--- HPA / SNS	20.46	2.46	.87	<.001
Epinephrine	<--- HPA / SNS	106.50	13.18	.84	<.001
Norepinephrine	<--- HPA / SNS	154.79	33.82	.52	<.001
PDF	<--- KPS	-0.08	0.01	-.56	<.001
PDF	<--- Distant Disease	0.27	0.26	.09	.294
PDF	<--- Partner Status	-0.35	0.25	-.12	.162
PDF	<--- HPA / SNS	0.30	0.15	.23	.039
Covariances					
Partner Status	<-->Distant Disease	-0.02	0.02	-.11	.275
Distant Disease	<-->KPS	-0.89	0.44	-.20	.045
Partner Status	<-->KPS	0.58	0.45	.13	.201
Variances					
HPA / SNS		1 ^a			
Partner Status		0.22	0.03		<.001
Distant Disease		0.21	0.03		<.001
KPS		92.39	12.94		<.001
E – PDF		1 ^a			
E – BPI		144.90	27.26		<.001

	Estimate	Standard Error	Standardized Estimate	P
E – CES-D	28.60	5.81		<.001
E – FSI	1.73	0.43		<.001
E – Cortisol	21.90	3.79		<.001
E – ACTH	132.02	53.05		.013
E – Epinephrine	4900.19	1534.69		.001
E – Norepinephrine	63859.5	11020.7		<.001
Means				
KPS	75.72	0.95		<.001
Distant Disease	0.70	0.04		<.001
Partner Status	1.66	0.05		<.001
Intercepts				
BPI	81.50	12.71		<.001
CES-D	47.35	6.15		<.001
FSI	13.09	1.76		<.001
Cortisol	9.93	0.63		<.001
ACTH	19.90	2.68		<.001
Epinephrine	85.09	14.30		<.001
Norepinephrine	553.78	33.51		<.001

^a Parameter prespecified for scaling purposes.

Note: E=error term, ACTH=adrenocorticotrophic hormone, HPA=hypothalamic-pituitary-adrenal axis,

PDF=pain, depression, and fatigue, CES-D=Center for Epidemiological Studies – Depression Scale,

KPS=Karnofsky Performance Status scale, BPI=Brief Pain Inventory, FSI=Fatigue Symptom Inventory.