Supplement:

Statistical considerations on the article "*T a a , c -c a ada a , a d e ab , f e I a a e f e Pa e R Ta g (PRT) Sca e*".

S a R a[1-2], A e a d a G [1], I a a C ca[1], Ke Ma cc [1], Gab e a P a e [1-3]

1 Department of Health Sciences, University of Milan, Italy
2 Department of Neuroscience, Mario Negri Pharmacological Institute, Milan (Italy)
3 Applied Research Division for Cognitive and Psychological Science, European Institute of Oncology (IEO), Milan, Italy

C e d g a
S a R a
De a e f Hea Sc e ce
U e f M a
V a A.D R d , 8
20142 M a (I a)
P e: 0039 02 50321240
E a : a. a1@ .

T a a a ce e a ed e f PCA f e Pa e R Ta g Sca e c a g 8 fac

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	4.361	18.172	18.172	4.361	18.172	18.172
2	2.631	10.962	29.134	2.631	10.962	29.134
3	2.080	8.667	37.801	2.080	8.667	37.801
4	1.440	6.000	43.801	1.440	6.000	43.801
5	1.273	5.304	49.105	1.273	5.304	49.105
6	1.152	4.800	53.905	1.152	4.800	53.905
7	1.065	4.437	58.342	1.065	4.437	58.342
8	.946	3.940	62.283	.946	3.940	62.283

F PCA f e Pa e R Ta g Sca e c a g 8 fac

	1	2	3	4	5	6	7	8
item_1	.669	-.319	-.151	.108	-.015	.201	.028	.219
item_2	.550	-.155	-.215	.233	-.029	.260	-.213	-.323
item_3	**.541**	.000	-.139	-.091	-.197	-.039	.026	**-.426**
item_4	**.642**	-.162	-.201	-.039	-.042	**-.416**	.011	.154
item_5	**.613**	.047	**-.373**	.003	-.015	-.345	-.164	-.005
item_6	**.623**	-.091	**-.423**	-.063	-.053	-.256	.316	-.070
item_7	.611	-.033	-.138	.339	.131	.136	.213	.279
item_8	.587	-.039	.032	.319	.190	.082	-.103	-.111
item_9	.093	-.215	**.517**	**.367**	**.335**	.116	.211	-.181
item_10	**.454**	-.267	.254	-.059	.015	-.042	**.313**	**-.390**
item_11	.085	**-.388**	**.686**	.148	.176	-.043	.025	.053
item_13	.311	.659	.235	-.081	-.176	-.229	.153	-.003
item_14	**.436**	**.444**	**.421**	-.273	.093	-.301	.106	.046
item_16	.162	.628	-.186	.140	.082	.216	.078	.121
item_17	**.531**	.187	**.484**	-.081	.028	-.143	**-.335**	.109
item_19	**.454**	**.313**	-.065	.133	-.125	.092	**-.332**	.164
item_20	.053	**.465**	-.195	-.132	.316	**.452**	.074	-.196
item_21	**.344**	.038	.092	**-.570**	.133	.385	-.003	.067
item_22	**.428**	-.148	**.494**	-.119	.000	.204	**-.284**	.044
item_23	.198	**-.318**	-.152	**-.317**	**.515**	.021	.290	**.328**
item_24	.229	.005	.142	-.265	**-.515**	**.326**	.005	.119
item_25	.023	.124	.201	**.419**	**-.492**	.177	**.399**	.246
item_15	.035	.655	.077	-.086	.033	.089	.274	-.151
item_18	-.071	**.567**	-.021	**.384**	**.366**	-.128	-.158	.028

In bold cross-loaded items on two or more factors > |.30|

T e Pa e R Ta g Sca e E g a d I a a

Resources:	*Risorse:*						
B a e e d c (c e , ef ge a) af e c a g ce e e a e .	Ac d c (c e , f g fe) d a e c f a e d a eg .	1	2	3	4	5	6	7
I a a da e a - c e .	I a a agg a c e .	1	2	3	4	5	6	7
C ec e c ed ca d b de a e e .	C a e e g e e e a c de a ca a d c ed .	1	2	3	4	5	6	7
I e a ab a c e bef e g g (e ec e , a a e e c , e a g e e c	P a d c e a c , c ed e e f a de ca (c e a e, a g a g e , a , ecc.)	1	2	3	4	5	6	7
Read e f e a a d c e e a ea e, a a ce c a a ca	Legg e e c a e de d c e a (ca , e a c a e, c e e d e)	1	2	3	4	5	6	7
Sa e ece a d a a d c e f a e a ga ed fa .	C e e ce e e ega a e de e c e a d d a .	1	2	3	4	5	6	7
C ec a d ce bef e ca g g d a ce e ea .	Ve f c e a ffe e e a d fa e a c a aa e a a e e c e a e.	1	2	3	4	5	6	7
Bac a a f e e c e , c d g d c e , c e de .	Facc bac - d f e a c e (d c e , f g af e de).	1	2	3	4	5	6	7
N a e e eg a *	N a ab d e e e e eg a e e da a e d de a *	1	2	3	4	5	6	7
A a c e e d e g g ee .	C d e e a c a e a a d ca a a d a da e a e .	1	2	3	4	5	6	7
B c e g e .*	M c e e a a .*	1	2	3	4	5	6	7
B a ed ca af e a g a c e e c ec a ce ed a .	Ac a aa d a e fa fa e c ec - c e ff c a a a a.	1	2	3	4	5	6	7
Medical:	*Medico:*						
I ed a e g e d c ' e e g b d ac g b e g e.	Vad b da ed c a d a c ed e fa d .	1	2	3	4	5	6	7
Ha e eg a ge e a ed ca c ec - e e e ea .	M g eg a e e a c ec - ed c g 1-2 a .	1	2	3	4	5	6	7
Ge acc a ed f e f e e .	I e acc c f e a.	1	2	3	4	5	6	7
I a a a -c de ce e ca .	I a d a -c e a .	1	2	3	4	5	6	7
D e a g e a e a e e ca a e a a ge e.	Vad d e a e e da ecca c a d a fa e a .	1	2	3	4	5	6	7
A e e e I a da g ab / e e a .	C ed a a e a c e a d afe e a e d acc a a a a e a e a a a.	1	2	3	4	5	6	7
B e ed ca a c e e a e g a e c .	Q a d agg a e e , c a c a e ed ca e a.	1	2	3	4	5	6	7
Ethical:	*Etico:*						
A a ea a ea be e g e bac ea .	I d e e a c a d c e a a d ed ed e .	1	2	3	4	5	6	7
Pa e a g a b e- e e a d ec ed b e a g e e .	Q a d a c egg e ce b , ag edagg e .	1	2	3	4	5	6	7
C a ge e a e ca (f e , a , e c..) beca e e ec a c a d a d a d d e fa .	Ca b a c e de a (f , c g a, ecc.) e c ecca c a de c e ecc e de a a e .	1	2	3	4	5	6	7
G g c dec a g ab g d I a b g g c a e ed be a ed.*	Pa a d ga a e a d c a a e be gge a a a e c e a a d .*	1	2	3	4	5	6	7
Re c a e ce ab a c d f e e g b d a be g e eg ec ed b a e .	Se ba b de c a e e e a e e a c a da ge , g a e c a .	1	2	3	4	5	6	7
N a a g e ece g c c a ge a e e.	N d c e e a d eg da e de d .	1	2	3	4	5	6	7

inter-item correlations factor 1

Reliability Statistics

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.780	.780	12

Inter-Item Correlation Matrix

	item_1	item_6	item_5	item_7	item_4	item_8	item_11	item_2	item_3	item_9	item_12	item_10
item_1	1.000	.360	.360	.486	.466	.367	-.089	.415	.297	.038	.228	.272
item_6	.360	1.000	.442	.392	.478	.233	.124	.311	.365	-.058	.232	.321
item_5	.360	.442	1.000	.361	.499	.318	.163	.288	.299	-.073	.343	.120
item_7	.486	.392	.361	1.000	.286	.426	-.058	.328	.207	.077	.274	.167
item_4	.466	.478	.499	.286	1.000	.263	.008	.271	.330	.004	.249	.212
item_8	.367	.233	.318	.426	.263	1.000	-.049	.355	.229	.157	.378	.266
item_11	-.089	.124	.163	-.058	.008	-.049	1.000	.028	.068	-.403	-.149	-.243
item_2	.415	.311	.288	.328	.271	.355	.028	1.000	.340	.079	.167	.215
item_3	.297	.365	.299	.207	.330	.229	.068	.340	1.000	-.029	.231	.212
item_9	.038	-.058	-.073	.077	.004	.157	-.403	.079	-.029	1.000	.084	.194
item_12	.228	.232	.343	.274	.249	.378	-.149	.167	.231	.084	1.000	.328
item_10	.272	.321	.120	.167	.212	.266	-.243	.215	.212	.194	.328	1.000

Inter-Item Correlation Matrix

	item_1	item_6	item_5	item_7	item_4	item_8	item_11	item_2	item_3	item_9	item_12	item_10
item_1	1.000	.360	.360	.486	.466	.367	-.089	.415	.297	.038	.228	.272
item_6	.360	1.000	.442	.392	.478	.233	.124	.311	.365	-.058	.232	.321
item_5	.360	.442	1.000	.361	.499	.318	.163	.288	.299	-.073	.343	.120
item_7	.486	.392	.361	1.000	.286	.426	-.058	.328	.207	.077	.274	.167
item_4	.466	.478	.499	.286	1.000	.263	.008	.271	.330	.004	.249	.212
item_8	.367	.233	.318	.426	.263	1.000	-.049	.355	.229	.157	.378	.266
item_11	-.089	.124	.163	-.058	.008	-.049	1.000	.028	.068	-.403	-.149	-.243
item_2	.415	.311	.288	.328	.271	.355	.028	1.000	.340	.079	.167	.215
item_3	.297	.365	.299	.207	.330	.229	.068	.340	1.000	-.029	.231	.212
item_9	.038	-.058	-.073	.077	.004	.157	-.403	.079	-.029	1.000	.084	.194
item_12	.228	.232	.343	.274	.249	.378	-.149	.167	.231	.084	1.000	.328
item_10	.272	.321	.120	.167	.212	.266	-.243	.215	.212	.194	.328	1.000

Summary Item Statistics

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Inter-Item Correlations	.210	-.403	.499	.902	-1.239	.033	12

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
item_1	47.83	108.746	.562	.421	.727
item_6	48.21	107.397	.561	.416	.726
item_5	48.63	108.816	.545	.406	.729
item_7	48.79	108.678	.512	.375	.732
item_4	48.32	110.793	.535	.405	.731
item_8	48.62	109.964	.517	.332	.732
item_11	50.40	132.912	-.096	.270	.796
item_2	48.38	109.527	.485	.283	.735
item_3	48.83	110.608	.439	.234	.741
item_9	47.98	128.380	.016	.201	.785
item_12	48.44	111.067	.407	.278	.745

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
item_1	47.83	108.746	.562	.421	.727
item_6	48.21	107.397	.561	.416	.726
item_5	48.63	108.816	.545	.406	.729
item_7	48.79	108.678	.512	.375	.732
item_4	48.32	110.793	.535	.405	.731
item_8	48.62	109.964	.517	.332	.732
item_11	50.40	132.912	-.096	.270	.796
item_2	48.38	109.527	.485	.283	.735
item_3	48.83	110.608	.439	.234	.741
item_9	47.98	128.380	.016	.201	.785
item_12	48.44	111.067	.407	.278	.745
item_10	47.41	114.066	.354	.275	.751

Scale Statistics

Mean	Variance	Std. Deviation	N of Items
52.89	132.110	11.494	12

Intraclass Correlation Coefficient

	Intraclass Correlation[a]	95% Confidence Interval		F Test with True Value 0			
		Lower Bound	Upper Bound	Value	df1	df2	Sig
Single Measures	.210[b]	.175	.252	4.199	271	2981	.000
Average Measures	.762[c]	.718	.802	4.199	271	2981	.000

Two-way mixed effects model where people effects are random and measure effects are fixed.

a. Type C intraclass correlation coefficients using a consistency definition-the between-measure variance is excluded from the denominator variance.

b. The estimator is the same, whether the interaction effect is present or not.

c. This estimate is computed assuming the interaction effect is absent, since it is not estimable otherwise.

Inter-item correlations Factor 2

Reliability Statistics

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.701	.701	7

Inter-Item Correlation Matrix

	item_13	item_18	item_16	item_15	item_14	item_19	item_17

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
item_13	16.91	39.204	.545	.405	.632
item_18	18.10	46.379	.310	.163	.690
item_16	17.86	43.679	.382	.236	.675
item_15	17.90	41.465	.383	.186	.675
item_14	16.89	38.428	.519	.444	.636
item_19	16.92	41.529	.348	.146	.686
item_17	16.54	41.546	.393	.263	.672

Scale Statistics

Mean	Variance	Std. Deviation	N of Items
20.19	54.125	7.357	7

Intraclass Correlation Coefficient

	Intraclass Correlation[a]	95% Confidence Interval		F Test with True Value 0			
		Lower Bound	Upper Bound	Value	df1	df2	Sig
Single Measures	.251[b]	.207	.300	3.344	293	1758	.000
Average Measures	.701[c]	.646	.750	3.344	293	1758	.000

Two-way mixed effects model where people effects are random and measures effects are fixed.

a. Type C intraclass correlation coefficients using a consistency definition

Summary Item Statistics

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	4.350	2.697	5.350	2.653	1.984	1.119	6

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
item_20	20.75	23.081	.361	.525	.381
item_21	20.92	20.565	.553	.611	.368
item_22	21.69	22.444	.380	.302	.368
item_23	23.40	30.822	-.062	.074	.590
item_24	21.10	25.992	.271	.090	.436
item_25	22.62	27.101	.080	.040	.540

Scale Statistics

Mean	Variance	Std. Deviation	N of Items
26.10	32.669	5.716	6

Intraclass Correlation Coefficient

	Intraclass Correlation[a]	95% Confidence Interval		F Test with True Value 0			
		Lower Bound	Upper Bound	Value	df1	df2	Sig
Single Measures	.138[b]	.098	.184	1.961	296	1480	.000
Average Measures	.490[c]	.395	.575	1.961	296	1480	.000

Two-way mixed effects model where people effects are random and measures effects are fixed.

a. Type C intraclass correlation coefficients using a consistency definition-the between-measure variance is excluded from the denominator variance.

b. The estimator is the same, whether the interaction effect is present or not.

c. This estimate is computed assuming the interaction effect is absent, since it is not estimable otherwise.