

Fixed Effect Tests

Source	Nparm	DF	DFDen	F Ratio	Prob > F
Diagnosis	1	1	27	0.7633	0.3900
Task	2	2	56	12.2446	<.0001*
Diagnosis*Task	2	2	56	1.5625	0.2186
Baseline BRSv [au/mmHg]	1	1	27	29.7660	<.0001*

Prediction Expression

-0.058774641

+ Match(Diagnosis) $\begin{pmatrix} \text{"Non-SCD"} \Rightarrow 0.0203622977 \\ \text{"SCD"} \Rightarrow -0.020362298 \\ \text{else} \Rightarrow . \end{pmatrix}$

+ Match(Task) $\begin{pmatrix} \text{"N-back"} \Rightarrow -0.072483899 \\ \text{"Stroop"} \Rightarrow -0.01586741 \\ \text{"Pain Anticipation"} \Rightarrow 0.0883513091 \\ \text{else} \Rightarrow . \end{pmatrix}$

+ Match(Diagnosis) $\begin{pmatrix} \text{"Non-SCD"} \Rightarrow \text{Match(Task)} \begin{pmatrix} \text{"N-back"} \Rightarrow -0.002489353 \\ \text{"Stroop"} \Rightarrow -0.027818857 \\ \text{"Pain Anticipation"} \Rightarrow 0.03030821 \\ \text{else} \Rightarrow . \end{pmatrix} \\ \text{"SCD"} \Rightarrow \text{Match(Task)} \begin{pmatrix} \text{"N-back"} \Rightarrow 0.0024893535 \\ \text{"Stroop"} \Rightarrow 0.0278188565 \\ \text{"Pain Anticipation"} \Rightarrow -0.03030821 \\ \text{else} \Rightarrow . \end{pmatrix} \\ \text{else} \Rightarrow . \end{pmatrix}$

+ 10.266742199 • Baseline BRSv [au/mmHg]

Effect Details

Diagnosis

Least Squares Means Table

Level	Least Sq Mean	Std Error
Non-SCD	0.24941798	0.03187019
SCD	0.20869338	0.03187019

Task

Least Squares Means Table

Level	Least Sq Mean	Std Error
N-back	0.15657178	0.02889398
Stroop	0.21318827	0.02889398
Pain Anticipation	0.31740699	0.02889398

Diagnosis*Task

Least Squares Means Table

Level	Least Sq Mean	Std Error
Non-SCD,N-back	0.17444472	0.04171894
Non-SCD,Stroop	0.20573171	0.04171894
Non-SCD,Pain Anticipation	0.36807750	0.04171894
SCD,N-back	0.13869884	0.04171894
SCD,Stroop	0.22064483	0.04171894
SCD,Pain Anticipation	0.26673648	0.04171894

Response ΔPPG_a [au]

Correlation of Estimates

Corr	Intercept	Diagnosis[Non-SCD]	Task[N-back]	Task[Stroop]	Diagnosis[Non-SCD]*Task[N-back]	Diagnosis[Non-SCD]*Task[Stroop]
Intercept	1.0000	0.3337	0.0000	0.0000	0.0000	0.0000
Diagnosis[Non-SCD]	0.3337	1.0000	0.0000	0.0000	0.0000	0.0000
Task[N-back]	0.0000	0.0000	1.0000	-0.5000	0.0000	0.0000
Task[Stroop]	0.0000	0.0000	-0.5000	1.0000	0.0000	0.0000
Diagnosis[Non-SCD]*Task[N-back]	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000
Diagnosis[Non-SCD]*Task[Stroop]	0.0000	0.0000	0.0000	0.0000	0.0000	-0.5000
Baseline BRS _v [au/mmHg]	-0.9246	-0.3609	0.0000	0.0000	0.0000	0.0000
Diagnosis[Non-SCD]:Acrostic[adama]	-0.1233	-0.2204	0.0000	0.0000	0.0000	0.0000
Diagnosis[Non-SCD]:Acrostic[alda]	0.0516	-0.1505	0.0000	0.0000	0.0000	0.0000
Diagnosis[Non-SCD]:Acrostic[ashbr]	-0.0978	-0.2106	0.0000	0.0000	0.0000	0.0000
Diagnosis[Non-SCD]:Acrostic[chawa]	-0.0934	-0.2089	0.0000	0.0000	0.0000	0.0000
Diagnosis[Non-SCD]:Acrostic[doomy]	0.1731	-0.0983	0.0000	0.0000	0.0000	0.0000
Diagnosis[Non-SCD]:Acrostic[edwny]	0.0083	-0.1684	0.0000	0.0000	0.0000	0.0000
Diagnosis[Non-SCD]:Acrostic[frawi]	-0.2038	-0.2505	0.0000	0.0000	0.0000	0.0000
Diagnosis[Non-SCD]:Acrostic[holbr]	-0.3259	-0.2935	0.0000	0.0000	0.0000	0.0000
Diagnosis[Non-SCD]:Acrostic[jonch]	-0.3284	-0.2944	0.0000	0.0000	0.0000	0.0000
Diagnosis[Non-SCD]:Acrostic[madja]	0.3680	-0.0079	0.0000	0.0000	0.0000	0.0000
Diagnosis[Non-SCD]:Acrostic[majno]	0.2431	-0.0668	0.0000	0.0000	0.0000	0.0000
Diagnosis[Non-SCD]:Acrostic[parje]	-0.4298	-0.3272	0.0000	0.0000	0.0000	0.0000
Diagnosis[Non-SCD]:Acrostic[thosh]	0.1478	-0.1094	0.0000	0.0000	0.0000	0.0000
Diagnosis[Non-SCD]:Acrostic[warke]	-0.3179	-0.2908	0.0000	0.0000	0.0000	0.0000
Diagnosis[Non-SCD]:Acrostic[warke]	-0.3237	-0.2927	0.0000	0.0000	0.0000	0.0000