

## Additional file 15

Correlations between commonly used ICU parameters and sonographic values

SAPS II predicting new sonographic pathologies	R = 0.401	R <sup>2</sup> = 0.160	adj. R <sup>2</sup> = 0.152
	New pathologies = 1.806 + (0.125·SAPS II)		
SAPS II predicting value scale score	R = 0.207	R <sup>2</sup> = 0.043	adj. R <sup>2</sup> = 0.032
	Value scale score = 4.492 + (0.0424·SAPS II)		
SAPS II predicting likelihood of changes to therapy	R = 0.152	R <sup>2</sup> = 0.023	adj. R <sup>2</sup> = 0.012
	Therapy changes = 0.231 + (0.00593·SAPS II)		
Days in intensive care predicting new sonographic pathologies	R = 0.248	R <sup>2</sup> = 0.062	adj. R <sup>2</sup> = 0.053
	New pathologies = 5.594 + (0.128·days in intensive care)		
Days in intensive care predicting value scale score	R = 0.148	R <sup>2</sup> = 0.022	adj. R <sup>2</sup> = 0.012
	Value scale score = 5.466 + (0.0896·days in intensive care)		
Days in intensive care predicting likelihood of changes to therapy	R = 0.116	R <sup>2</sup> = 0.014	adj. R <sup>2</sup> = 0.004
	Therapy changes = 0.422 + (0.00723·days in intensive care)		
Age predicting new sonographic pathologies	R = 0.086	R <sup>2</sup> = 0.007	adj. R <sup>2</sup> = 0.000
	New pathologies = 4.527 + (0.0276·age)		

R: correlation coefficient; R<sup>2</sup>: coefficient of determination; adj. R<sup>2</sup>: adjusted R-squared value;

SAPS II: Simplified Acute Physiology Score.