

Supplementary Material to Appear Online

Figure S1. ROC Curve analysis of the clinical scores for the prediction of death in the ICU. The value of the AUC for each clinical score and the 95% Confidence Intervals (95% CI) are listed on the bottom right of the figure. The “*” indicates a p value of <0.05 while “**” indicates <0.001.

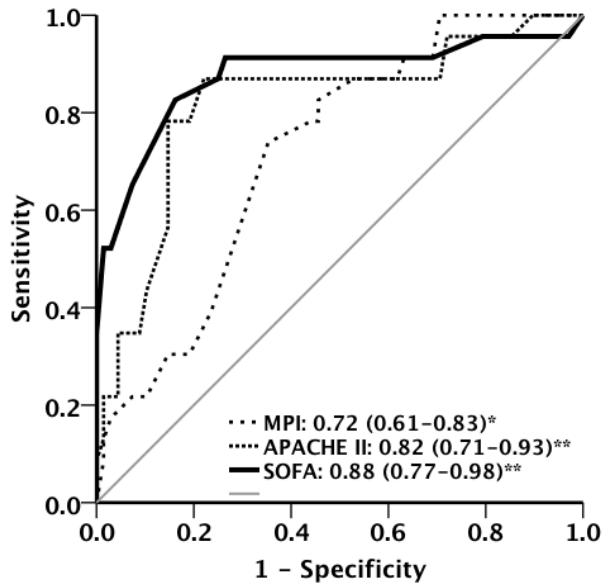


Figure S2. ROC Curve analysis of blood parameters for renal replacement therapy in the ICU. The value of the AUC for each blood parameter and the 95% Confidence Intervals (95% CI) are listed on the bottom right of the figure. The “*” indicates a p value of <0.05 while “**” indicates <0.001.

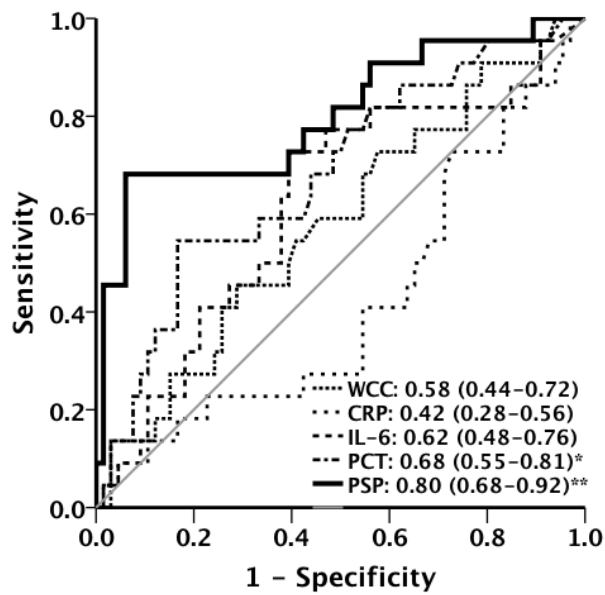


Table S1. Correlation of blood parameters with clinical scores upon admission at the intensive care unit.

	WCC	CRP	IL-6	PCT	PSP
MPI	-0.071	0.132	-0.004	0.034	.283**
APACHE	-0.078	0.08	.221*	.277**	.551**
SOFA Score	-0.005	0.137	0.183	.368**	.475**

* Spearman’s Correlation is significant at the 0.05 level.

** Spearman’s Correlation is significant at the 0.01 level.

Figure S3. Correlation of PSP blood values with clinical scores upon admission at the intensive care unit.

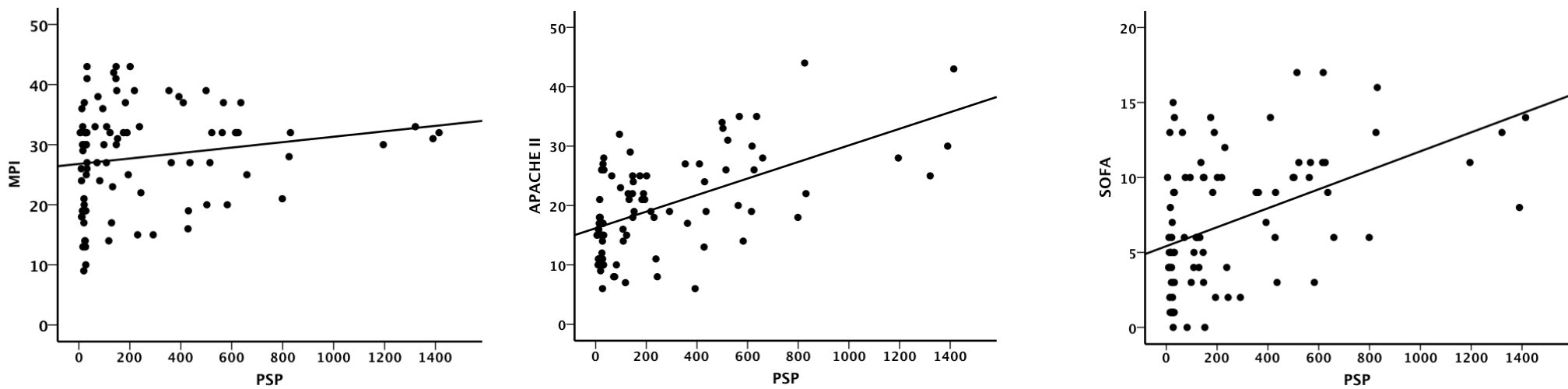


Table S2. Association of the blood parameters (median and IQR) with the clinical scores.

Blood parameter	Group	WCC	P value	CRP	P value	IL-6	P value	PCT	P value	PSP	P value
MPI	>30	13.8 (10.3-20.7)	0.554	238.7 (161.6-340.8)	0.177	86.5 (24.9-312.6)	0.578	0.97 (0.18-6.12)	0.886	148.50 (32.00-521.75)	0.031
	<30	16.1 (11.6-19.6)		210.2 (107.1-255.7)		91.3 (40.2-558.5)		1.07 (0.28-5.04)		31.95 (20.15-291.75)	
APACHE II	>22	13.6(10.2-19.5)	0.354	214.4 (138.0-343.7)	0.504	153.4(62.9-702.4)	0.025	1.19 (0.47-13.65)	0.068	381.75 (128.25-625.50)	<0.000
	<22	16.0 (11.6-19.9)		224.7 (144.3-257.7)		64.0 (24.9-198.9)		.86 (0.16-3.00)		30.30 (19.56-193.75)	
SOFA	>10	15.1(10.8-19.8)	0.833	232.8 (172.6-343.7)	0.177	104.8(54.4-390.2)	0.393	1.97 (0.73-11.73)	0.001	320.13 (136.50-615.25)	<0.000
	<10	14.7 (11.4-19.6)		215.0 (138.0-255.9)		79.5 (23.9-356.3)		0.61 (0.14-2.90)		31.98 (20.77-193.75)	

Figure S4. Association of PSP with clinical scores upon admission at the intensive care unit.

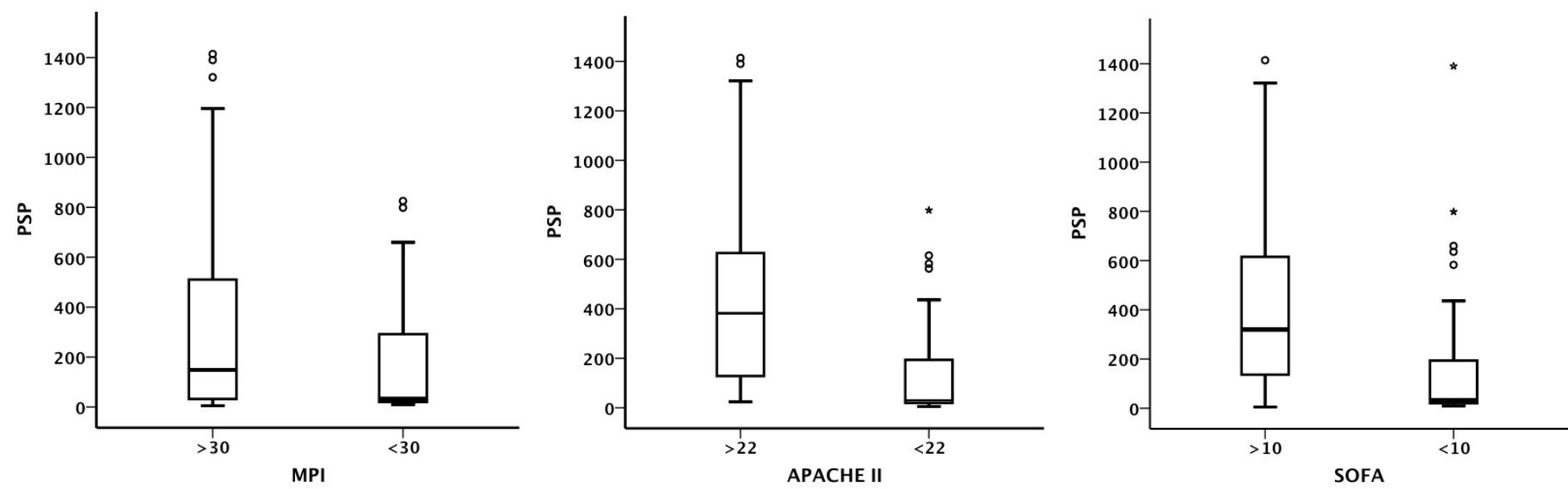


Table S3. Association of blood parameters (median and IQR) with the catecholamine requirements.

Blood parameter	Number	WCC	P value	CRP	P value	IL-6	P value	PCT	P value	PSP	P value
Catecholamines	50	14.5 (10.2-20.2)	0.895	224.7 (163.5-337.3)	0.203	125.2 (50.1-534.9)	0.059	1.97 (0.60-11.73)	0.001	209.6 (69.3-518.1)	<0.001
No catecholamines	41	14.7 (11.7-19.4)		215 (107.1-255.9)		21.3 (21.3-182.9)		0.57 (0.13-1.84)		29.0 (19.7-138.8)	

Figure S5. Association of PSP with the catecholamine requirements upon admission at the intensive care unit.

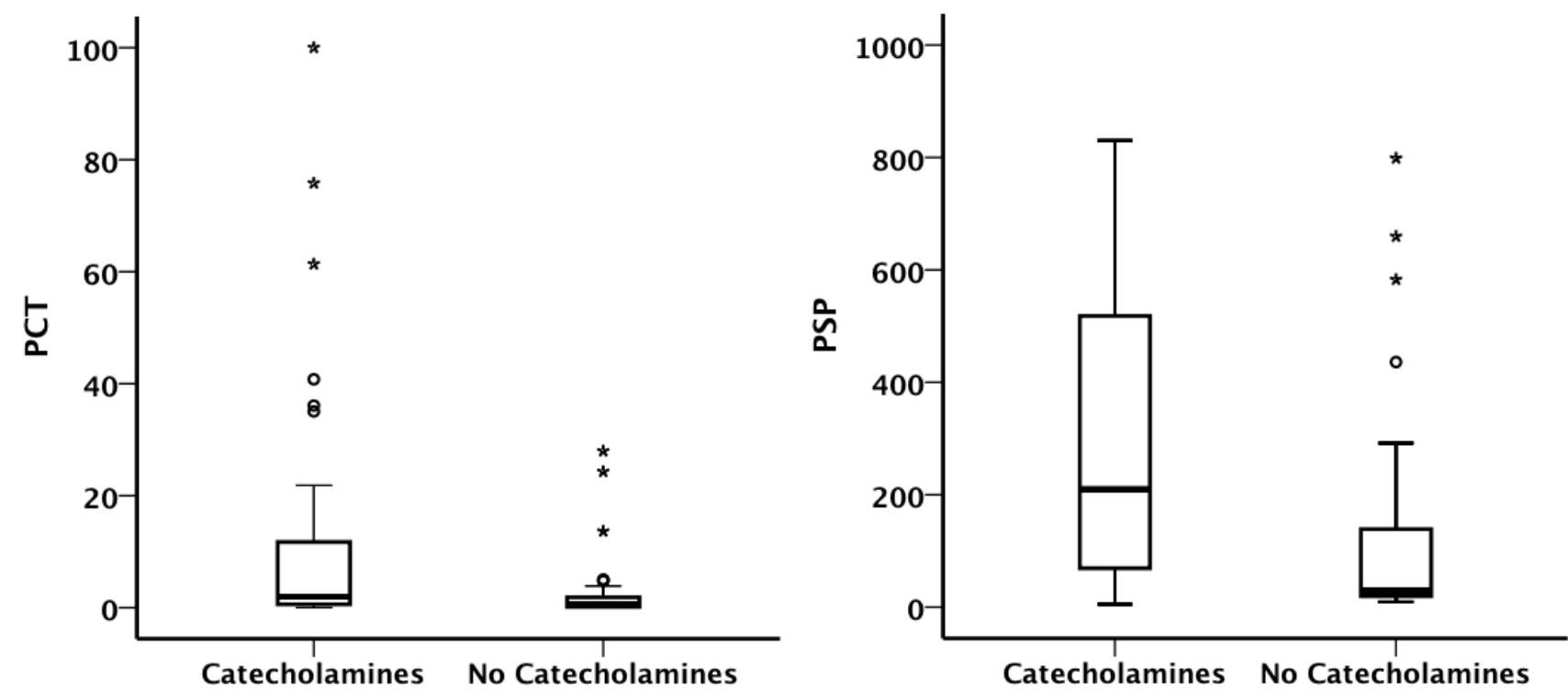


Table S4. Independent clinical scores predicting death in the intensive care unit.

Predictor	Categories	Number	Odds Ratio (95% CI)	<i>p</i> value
Age	<65 years	41	Reference	0.114
	≥65 years	50	2.079 (0.677-38.123)	
Gender	Male	53	Reference	0.233
	Female	38	2.653 (0.533-13.158)	
MPI	-	91	1.024* (0.915-1.146)	0.684
APACHE II	-	91	1.111* (1.006-1.227)	0.037
SOFA	-	91	1.443* (1.167-1.227)	0.001

The binary logistic regression analysis method was Backward Stepwise (Conditional).

Reference indicates the group compared to.

“-“ indicates: not applicable

* The clinical scores were analyzed as continuous variables and the Odds Ratio refers to one unit increase.