

Supplementary Table

Predicted result based on performance error and root mean square error

	Data Records	MDPE		MDAPE		APE		P value	RMSE	
		EV1000	DL model	EV1000	DL model	EV1000	DL model		EV1000	DL model
Overall	491,353	0.0032	0.0000	0.0966	0.0861	0.1317 ± 0.1257	0.1176 ± 0.1143	<0.001	15.06	13.90
Pre-anhepatic	211,265	0.0032	-0.0160	0.0863	0.0802	0.1233 ± 0.1251	0.1131 ± 0.1162	<0.001	14.17	13.39
Anhepatic	62,391	0.0399	0.0161	0.0990	0.0898	0.1401 ± 0.1342	0.1292 ± 0.1199	<0.001	12.65	11.84
Reperfusion	8,841	-0.0575	-0.0526	0.1497	0.0911	0.2067 ± 0.2097	0.1134 ± 0.0990	<0.001	23.17	12.90
Post-reperfusion	208,856	-0.0065	0.0173	0.1054	0.0903	0.1345 ± 0.1173	0.1188 ± 0.1110	<0.001	16.12	14.97

EV1000 refer to pre-existing stroke volume monitoring device that using arterial blood pressure from arterial catheter. DL, deep-learning; PE, (measured SV-predicted SV) / predicted SV; MDPE (median performance error), median of PE; MDAPE, median of absolute PE; RMSE, root mean square error.