

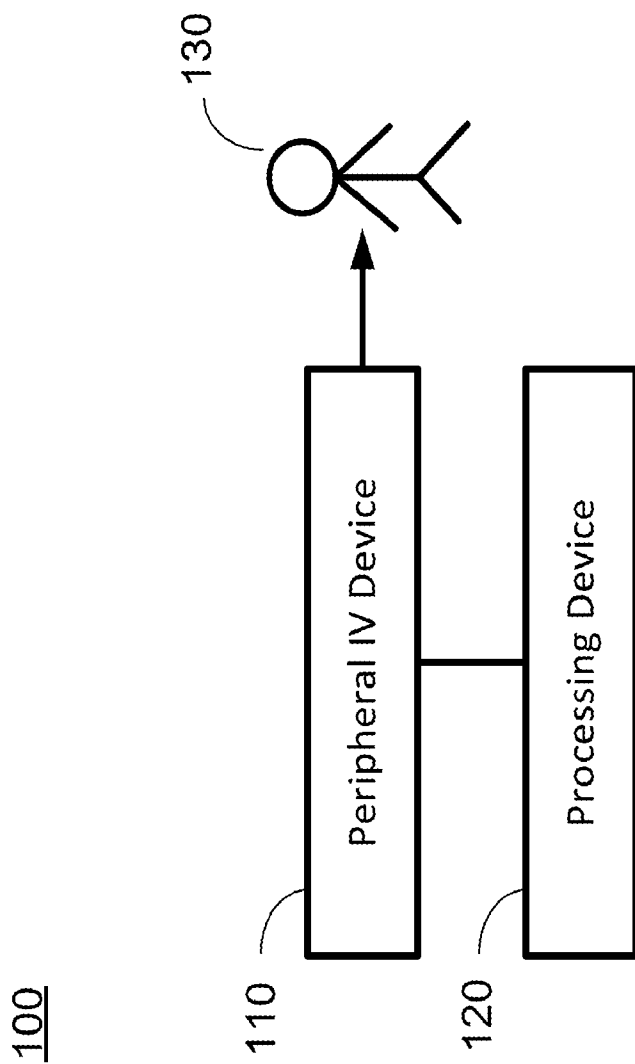


FIG. 1

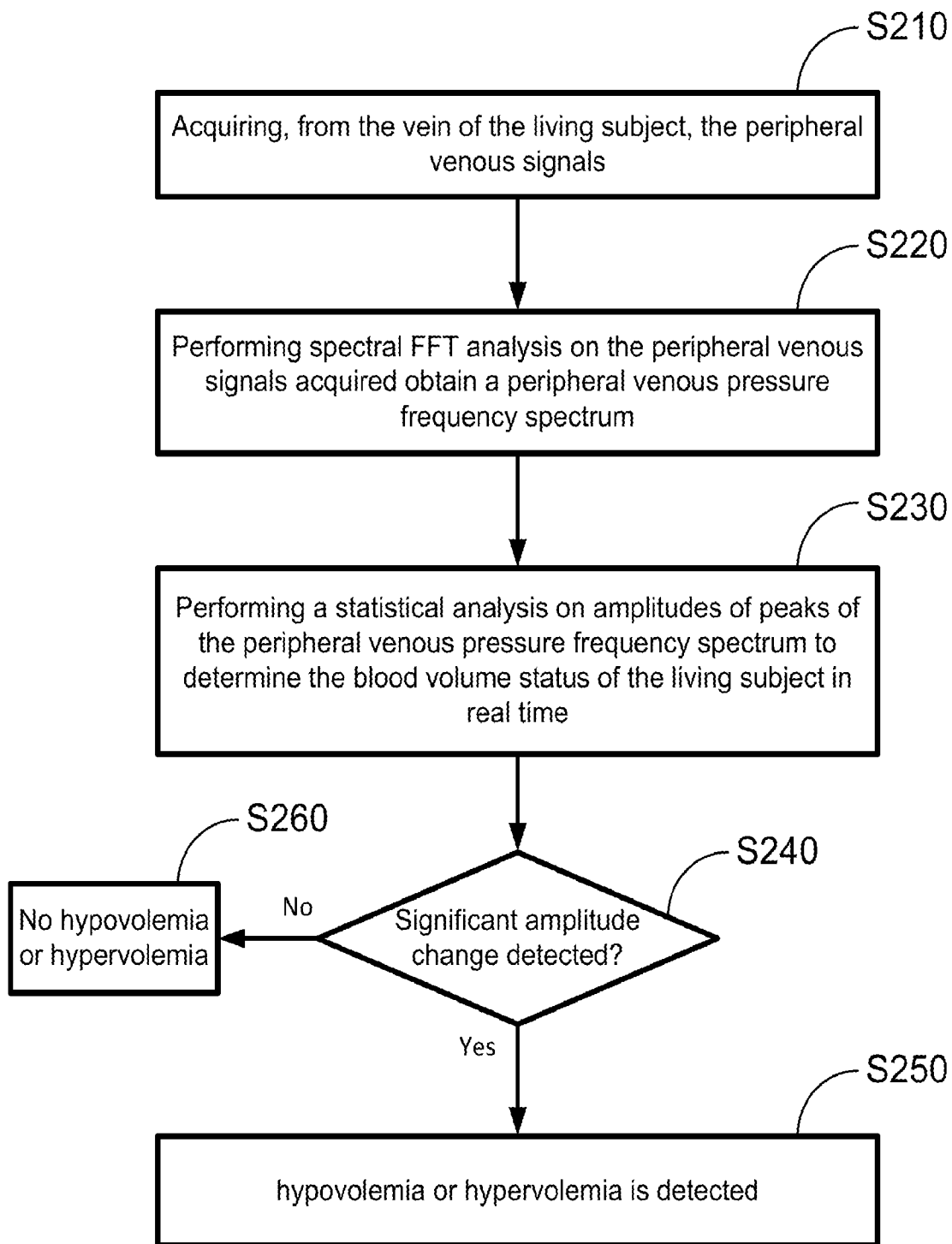


FIG. 2

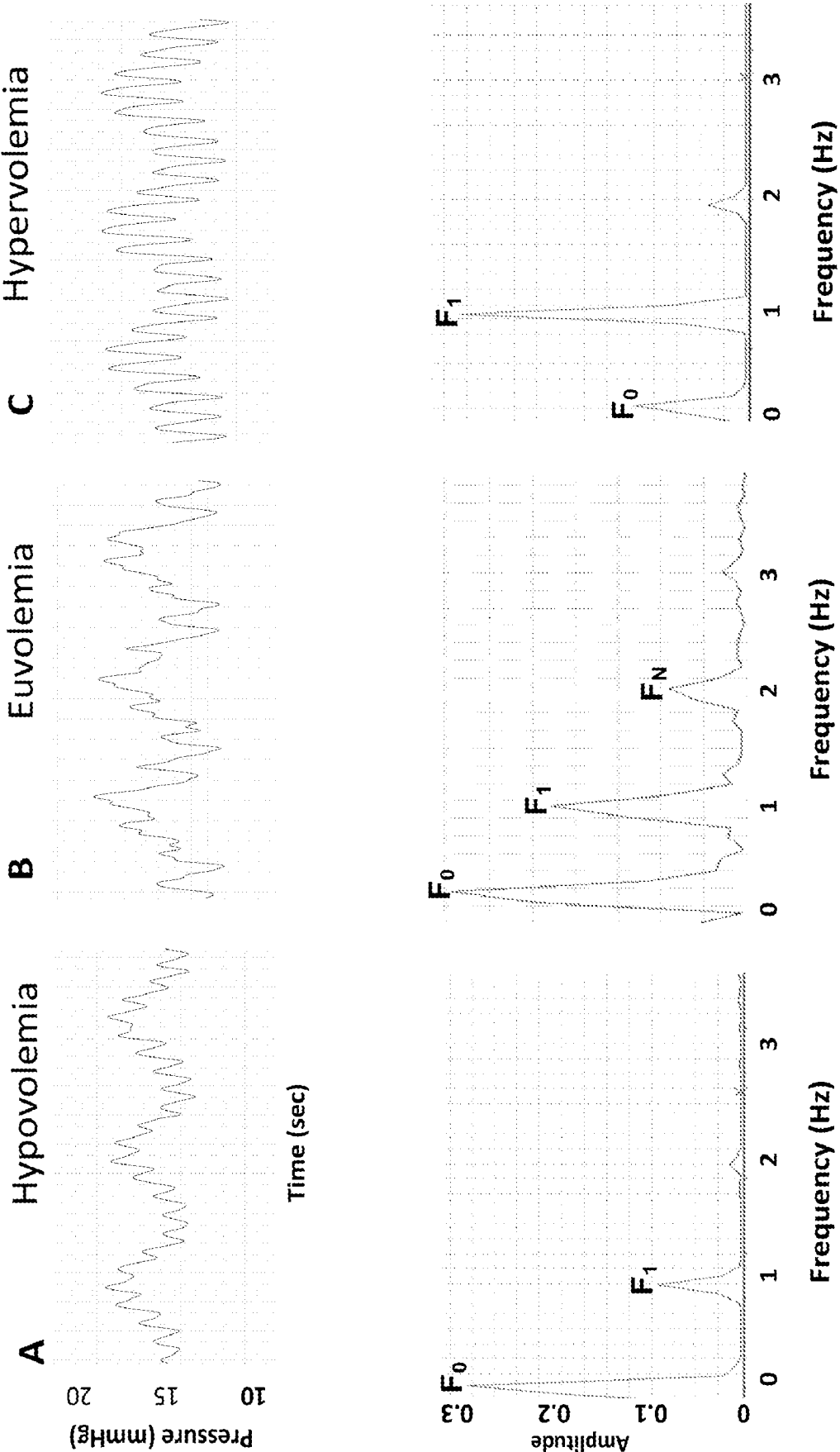


FIG. 3

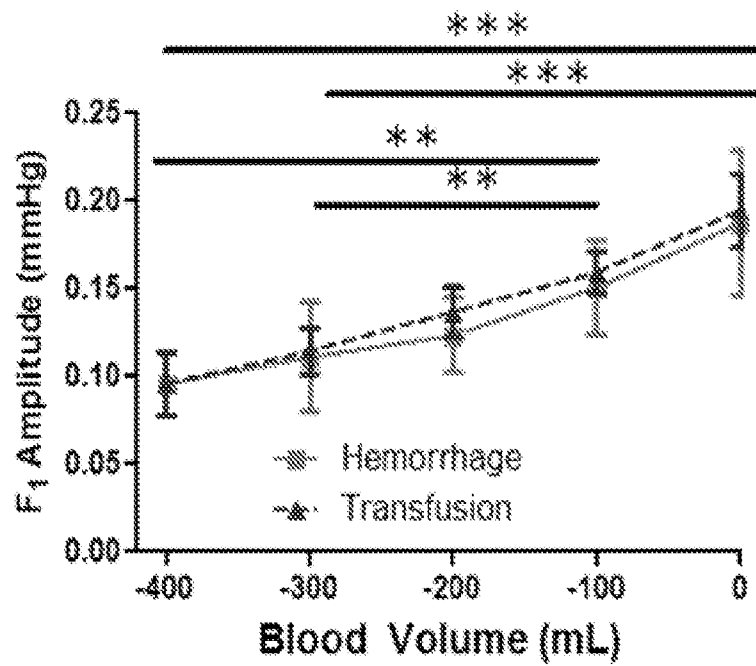


FIG. 4A

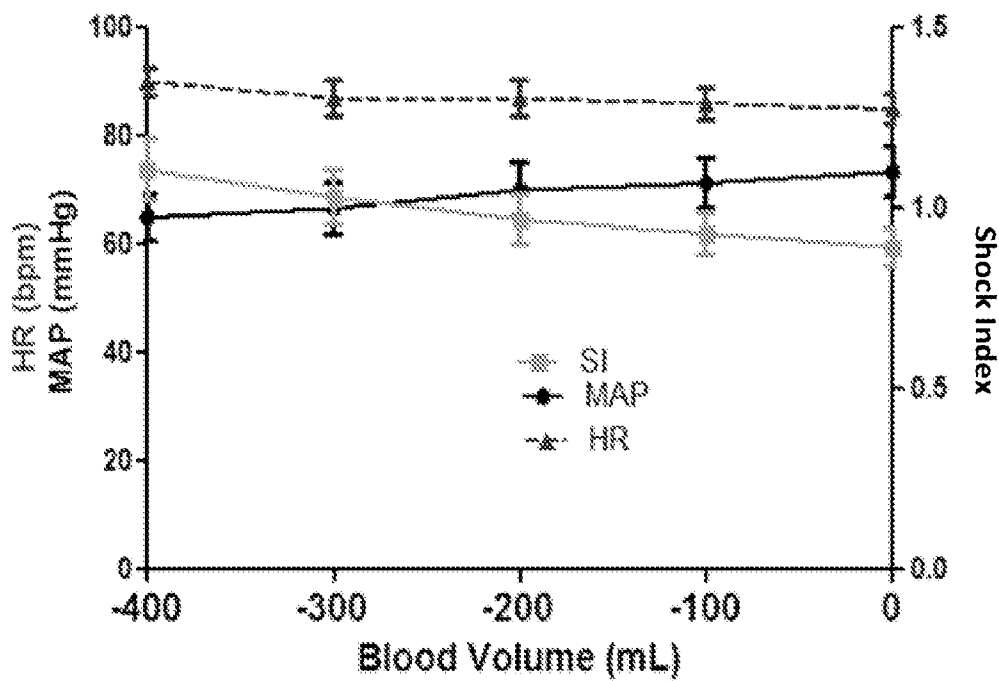


FIG. 4B

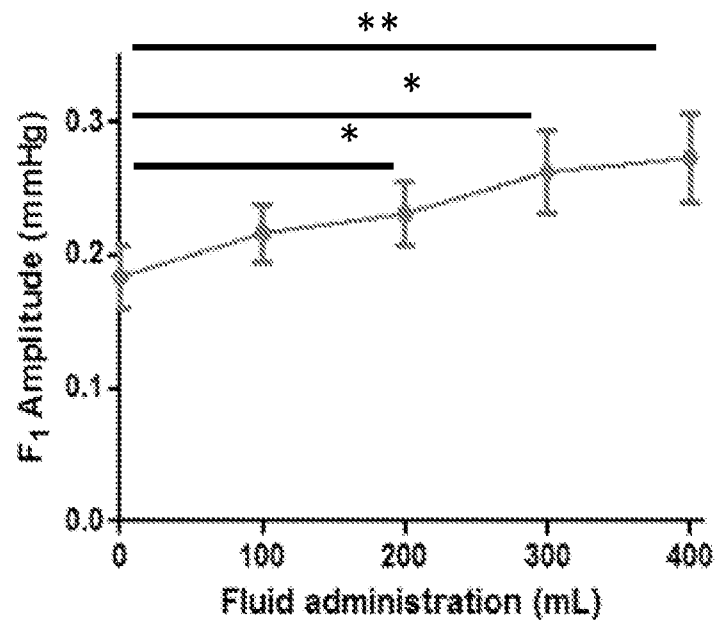


FIG. 5A

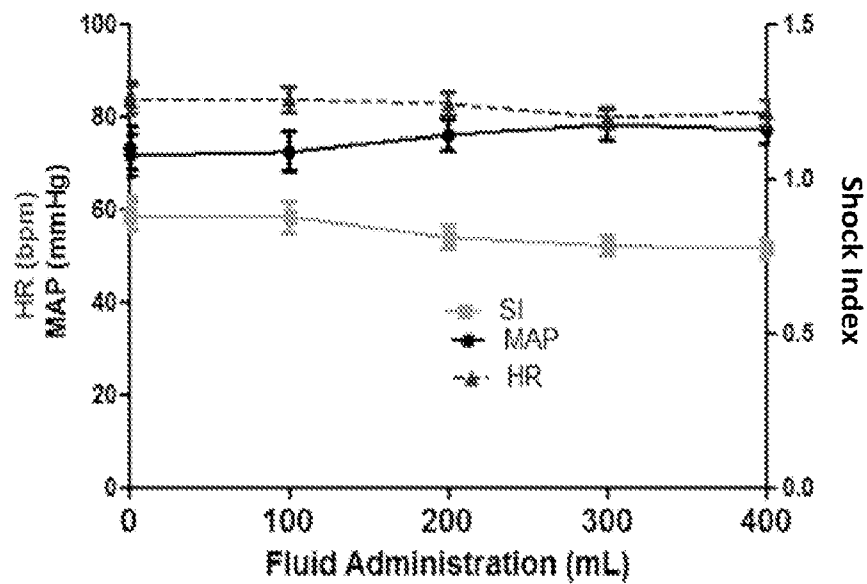


FIG. 5B

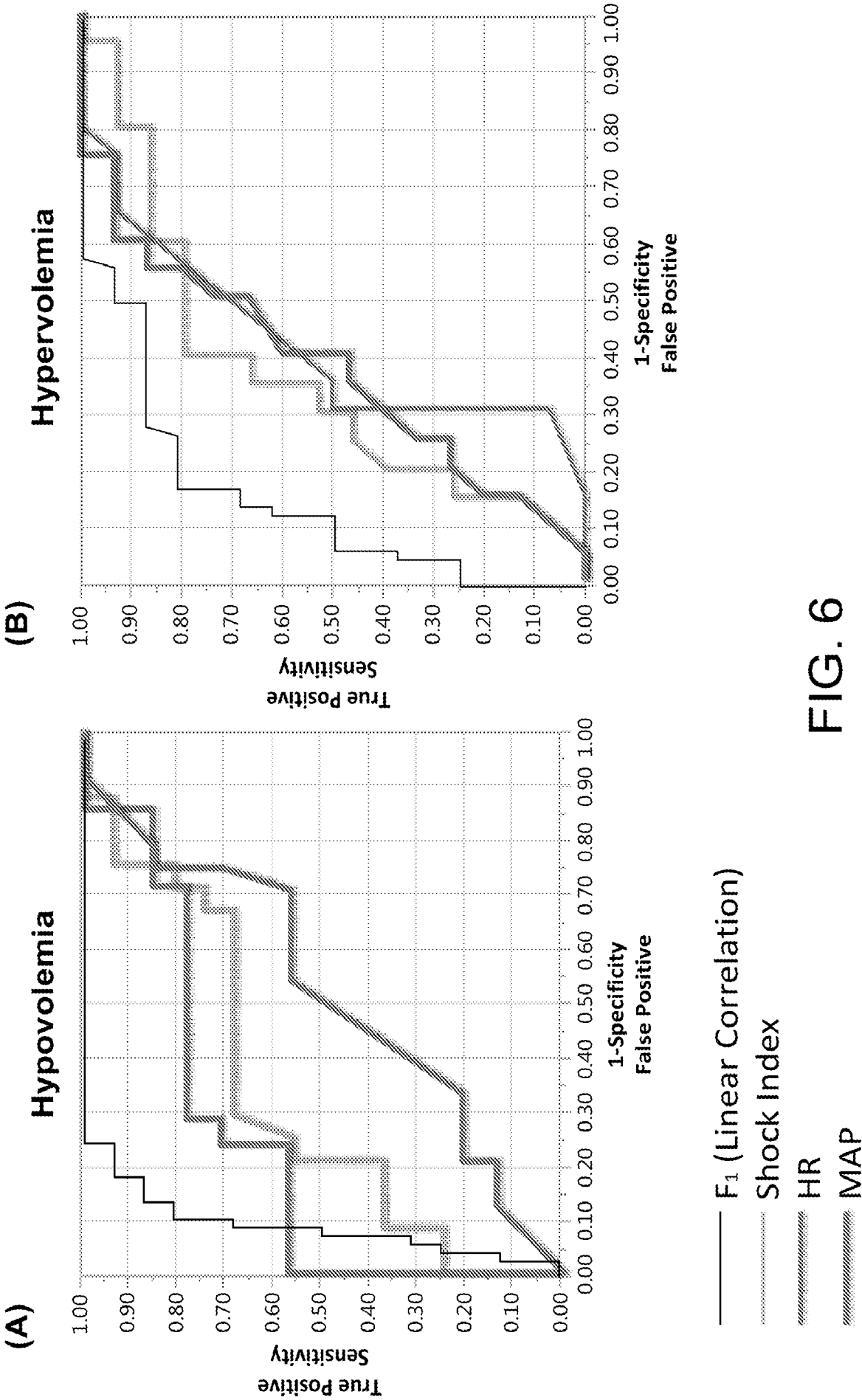


FIG. 6

Table 1. Patient Demographics.

Patient number	Age	Gender	Preoperative Diagnosis	Surgery	Wt. (kg)	BSA	Diabetes	Creatinine	Preoperative Hgb	Ejection Fraction	RV/dysfunction	RV size (gauge)	Baseline PAP (mean)
1	70	F	Severe MR	M/R	85	1.9	Yes	1.52	12.7	45-50	Nbre	18	34/12 (20)
2	63	M	Severe MR, CAD	M/R	93	2.03	Yes	2.01	12.3	15-20	Nbre	18	31/14 (20)
3	54	M	Severe MR	M/R/repair	96	2.21	Nb	1.2	14.4	>55	Nbre	18	22/15 (17)
4	85	M	Severe AS, CAD	A/R CABG	89	2.1	Yes	0.88	12.5	30-40	Nbre	18	25/17 (20)
5	33	M	Severe AI	A/R	73	1.9	Nb	0.82	15.4	>55	Nbre	16	19/11 (14)
6	68	M	Severe AS	A/R	98	2.25	Nb	1.79	13.5	35-44	Nbre	18	18/10 (14)
7	74	F	CAD	CABG	92	2.07	Nb	1.07	9.8	>55	Nbre	18	31/15 (21)
8	71	F	Severe MR, moderate TR	M/R, TV/repair	71	1.78	Nb	0.76	14.2	45-55	Nbre	18	32/20 (19)
9	76	M	Severe MR	M/R/repair	90	2.03	Nb	0.83	14.2	>55	Nbre	18	44/20 (23)
10	58	M	Chronic PE	Pulmonary endarterectomy	80	1.94	Nb	1.15	13.9	>55	Mild	16	115/42 (68)
11	57	M	Aortic dissection	Aortic dissection repair	88	2.11	Nb	0.79	12.8	>55	Nbre	18	46/22 (15)
12	77	M	Severe MR	M/R	103	2.27	Yes	1.28	15.6	>55	Nbre	18	68/32 (44)

Abbreviations: AI – Aortic insufficiency, AS – Aortic stenosis, AVR – aortic valve replacement, BSA – body surface area, CABG – Coronary artery bypass grafting, CAD – Coronary artery disease, Hgb – hemoglobin, MR – mitral regurgitation, MV – mitral valve, MVR – mitral valve replacement, PAP – pulmonary artery pressure, PE – Pulmonary embolus, PIV – peripheral intravenous catheter, RV – Right ventricle, TR – tricuspid regurgitation, TV – tricuspid valve, Wt. – weight

FIG. 7

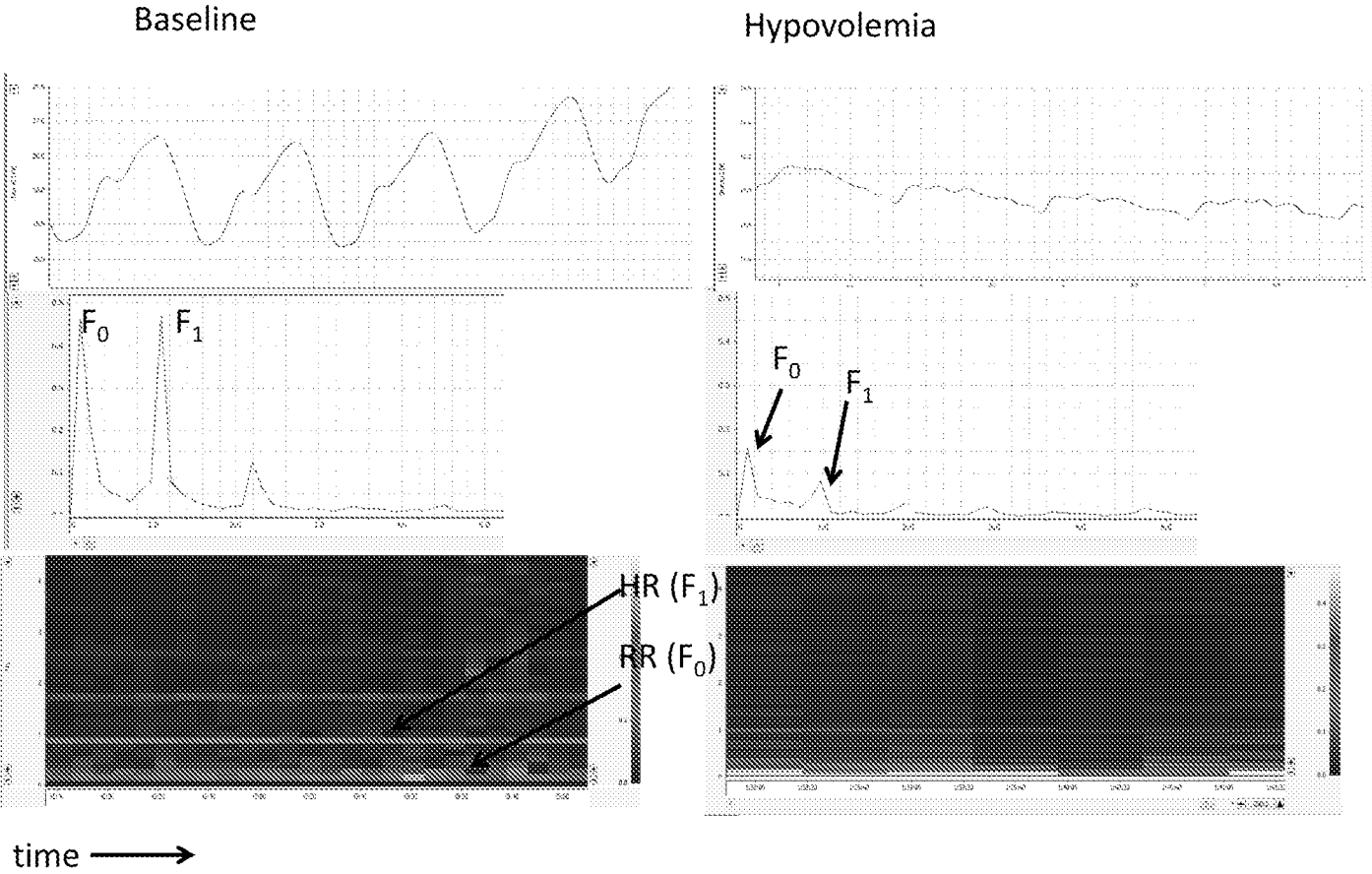


FIG. 8

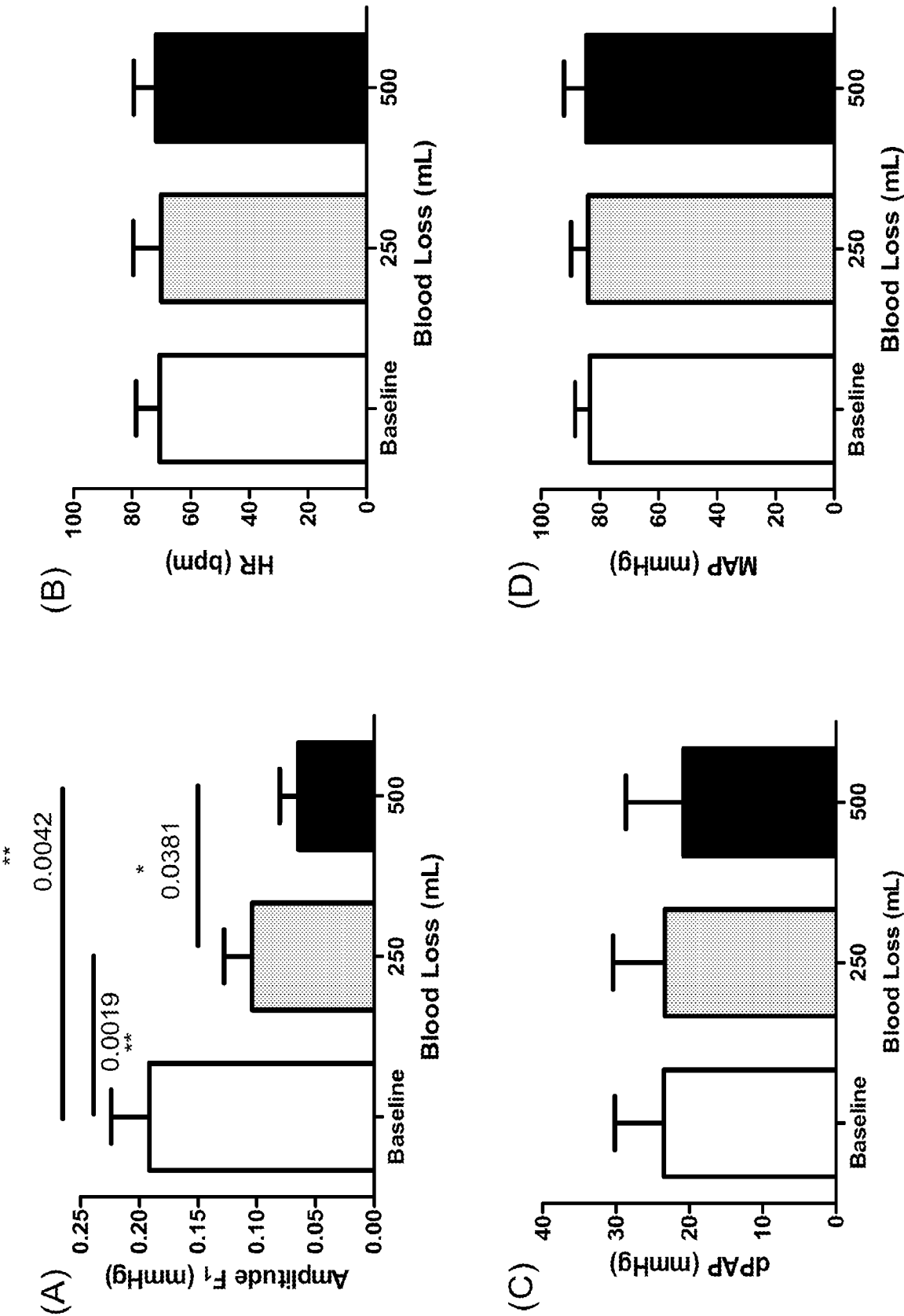


FIG. 9

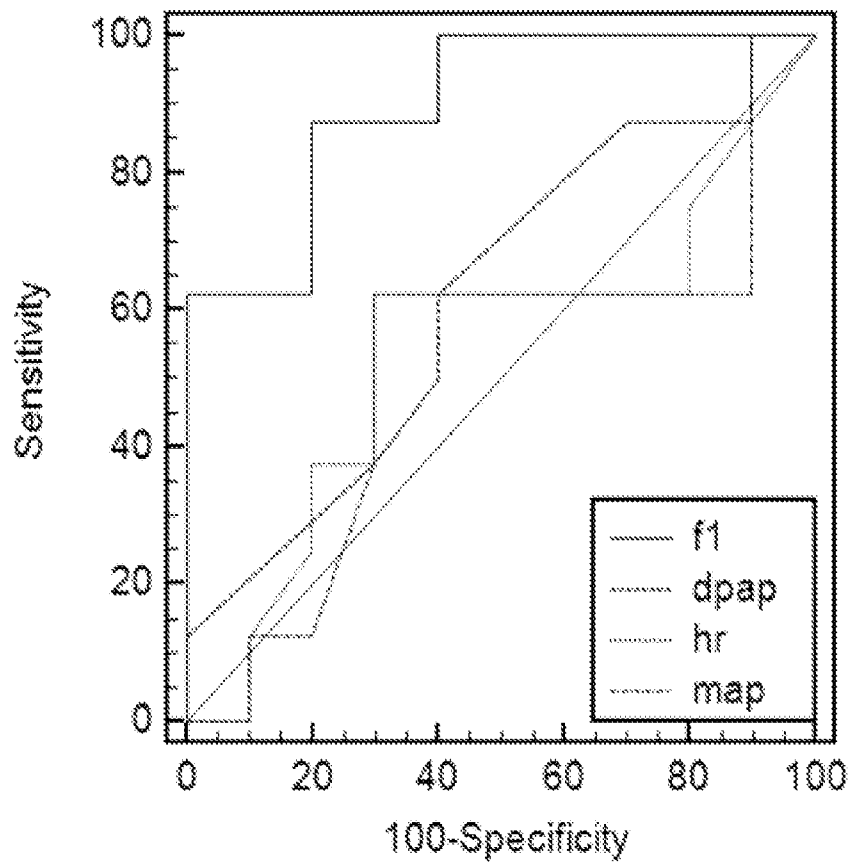


FIG. 10A

Variable	AUC	SE	95% CI
f1	0.900	0.0722	0.667 to 0.990
dpap	0.619	0.137	0.365 to 0.833
hr	0.544	0.152	0.297 to 0.775
map	0.512	0.155	0.271 to 0.750

FIG. 10B

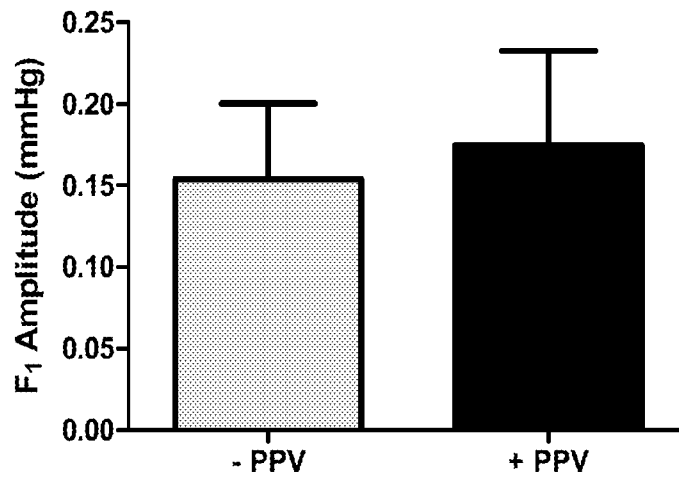


FIG. 11A

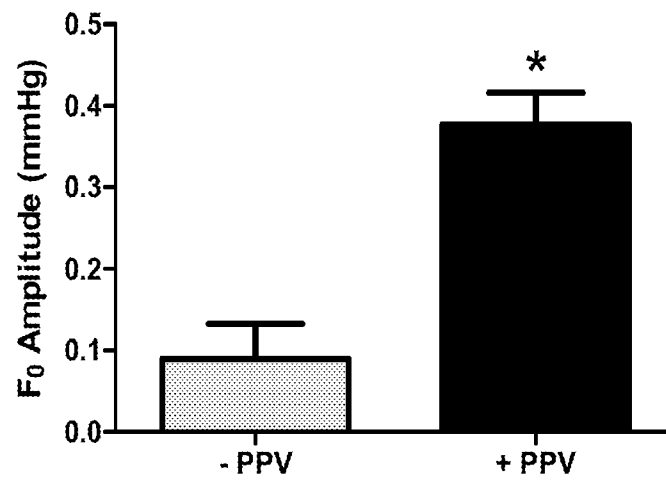


FIG. 11B

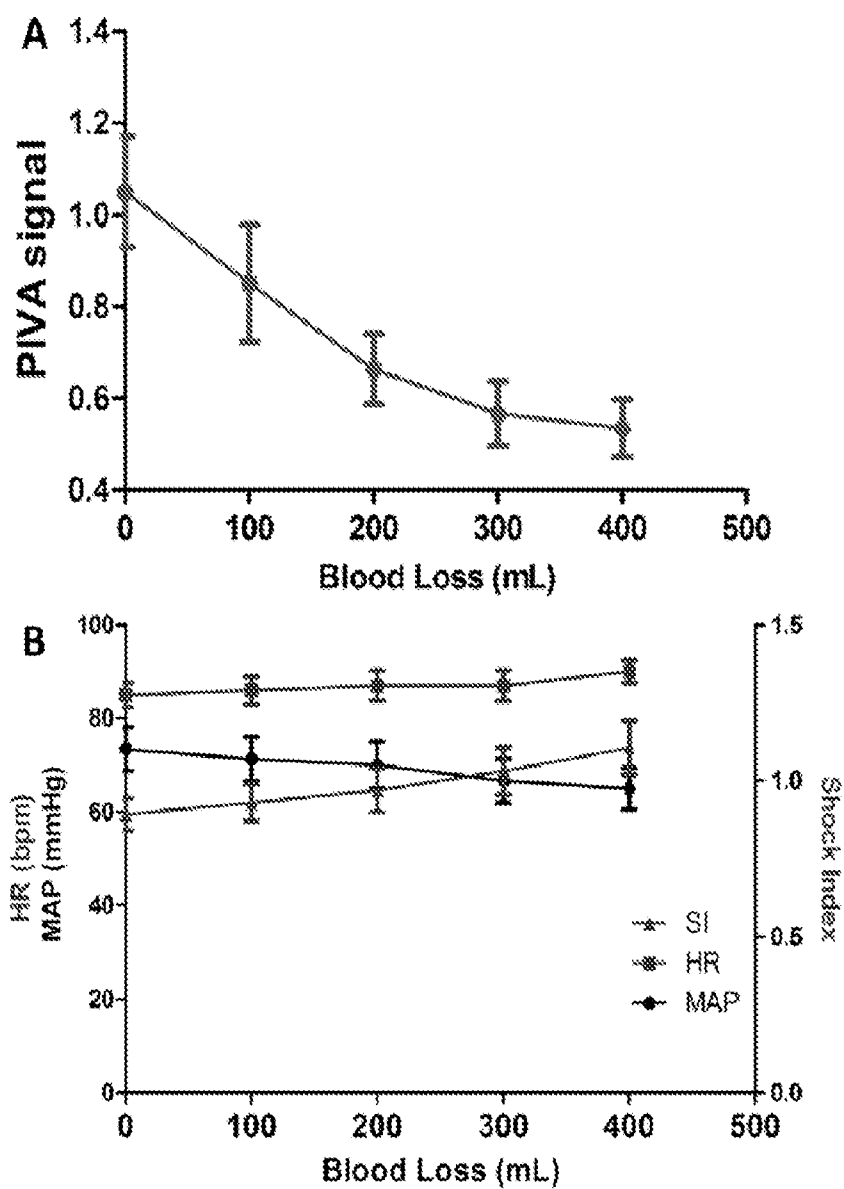


FIG. 12

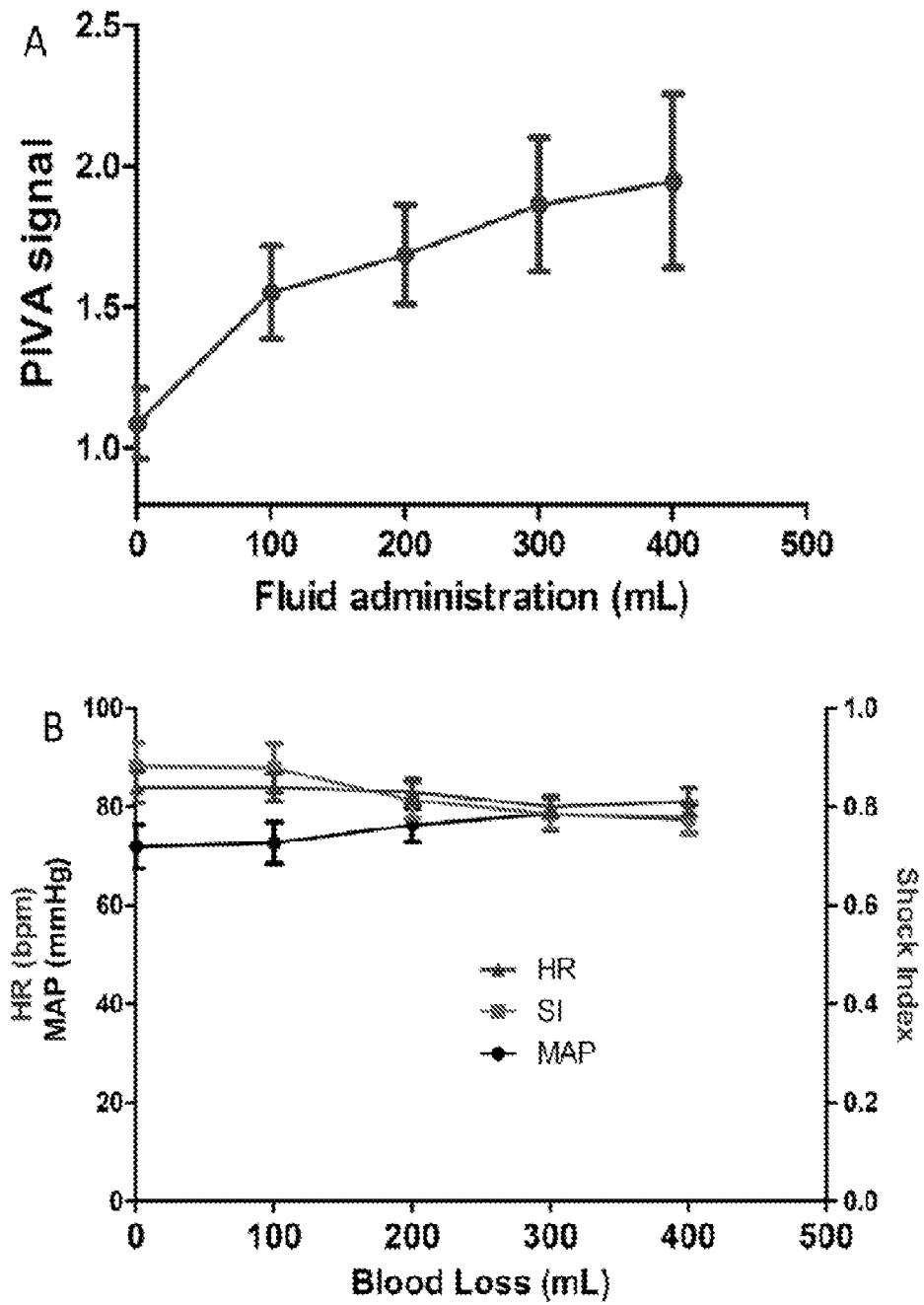


FIG. 13