

Supplemental Table 1:

Demographics and Outcomes – Pregnant Patients	Hypocoagulable (α Angle ≤ 60 deg) N=3	Normocoagulable (α Angle 61-75 deg) N=24	Hypercoagulable (α Angle ≥ 76 deg) N=49	P
Age, years	28 (18-31)	22 (20-30)	24 (21-30)	0.44
Gestational Age, weeks	23 (20-23)	22 (14-32)	22 (15-31)	0.99
ISS	29 (21-43)	21 (13-26)	9 (5-14)	<0.001
Pre-Hospital Transfusion	2 (67%)	5 (22%)	1 (2%)	0.001
ED SBP, mm Hg	100 (78-134)	111 (100-133)	118 (110-132)	0.39
ED HR, bpm	120 (111-152)	92 (83-111)	106 (91-118)	0.09
ED GCS	3 (3-15)	15 (7-15)	15 (15-15)	0.001
Hemoglobin, g/dl	9.8 (7.6-11.3)	11.5 (10.4-12.5)	11.7 (11-12.2)	0.14
Platelets, $10^9/l$	161 (156-192)	216 (178-238)	244 (207-284)	0.009
Base Excess	-8 (-11 to -3)	-4 (-7 to -2)	-3 (-2 to -4)	0.08
Obstetric Complication	3 (100%)	11 (46%)	14 (29%)	0.03
Mortality	2 (67%)	2 (8%)	0	<0.001

Supplemental Table 2:

Demographics and Outcomes – Pregnant Patients	Hypocoagulable (MA ≤55) N=5	Normocoagulable (MA 56-64) N=11	Hypercoagulable (MA ≥65) N=60	P
Age, years	27 (22-28)	22 (21-30)	24 (20-30)	0.97
Gestational Age, weeks	22 (20-23)	16 (5-25)	15 (23-32)	0.27
ISS	21 (14-29)	24 (14-27)	10 (5-17)	0.01
Pre-Hospital Transfusion	2 (40%)	3 (27%)	3 (6%)	0.01
ED SBP, mm Hg	120 (100-122)	102 (100-132)	118 (109-134)	0.28
ED HR, bpm	120 (111-127)	101 (82-122)	99 (86-114)	0.08
ED GCS	15 (3-15)	15 (12-15)	15 (15-15)	0.15
Hemoglobin, g/dl	9.8 (8.7-10.6)	11.3 (10.5-12.5)	11.8 (10.8-12.2)	0.02
Platelets, 10 ⁹ /l	161 (156-180)	218 (190-237)	241 (199-287)	0.003
Base Excess	-8 (-11 to -3)	-6 (-8 to -2)	-3 (-4 to -2)	0.05
Obstetric Complication	3 (60%)	4 (36%)	21 (35%)	0.54
Mortality	2 (40%)	1 (9%)	1 (2%)	0.001

Supplemental Table 3:

Demographics and Outcomes – Pregnant Patients	High LY-30 (Lysis \geq 3.0%) N=40	Physiologic LY-30 N=19	Low LY-30 (Lysis \leq 0.8%) N=17	P
Age, years	23 (20-29)	24 (21-30)	25 (20-30)	0.68
Gestational Age, weeks	22 (16-32)	17 (8-26)	23 (16-31)	0.35
ISS	13 (5-22)	10 (4-21)	12 (7-19)	0.50
Pre-Hospital Transfusion	2 (40%)	3 (27%)	3 (6%)	0.01
ED SBP, mm Hg	118 (104-133)	118 (105-132)	118 (102-131)	0.79
ED HR, bpm	106 (86-119)	104 (83-109)	96 (86-123)	0.92
ED GCS	15 (15-15)	15 (15-15)	15 (7-15)	0.31
Hemoglobin, g/dl	11.6 (10.2-12.2)	11.7 (11.0-12.2)	11.7 (10.7-12.2)	0.66
Platelets, 10 ⁹ /l	228 (194-261)	218 (190-284)	233 (192-269)	0.94
Base Excess	-3 (-6 to -3)	-3 (-5 to -1)	-3 (-5 to -2)	0.46
Obstetric Complication	16 (40%)	6 (32%)	6 (35%)	0.94
Mortality	1 (3%)	0	3 (18%)	0.03

Supplemental Table 4:

Prehospital Blood Subgroup Analysis					
Demographic	All Patients (n=67)	Pregnant (n=8)	Non-Pregnant (n=29)	Male (n=30)	P*
Age, years	22 (20-27)	23 (18-30)	22 (18-31)	23 (21-28)	0.23
Injury Severity Score	22 (17-29)	23 (17-36)	22 (16-27)	21 (17-29)	0.75
Blunt Mechanism	45 (67%)	7 (88%)	21 (72%)	17 (57%)	0.19
Transferred	8 (12%)	0	7 (24%)	1 (3%)	0.03
ED SBP, mm Hg	105 (82-125)	103 (87-138)	105 (92-119)	108 (76-134)	0.10
ED HR, bpm	106 (92-126)	91 (75-113)	102 (80-122)	113 (110-130)	0.10
ED GCS	14 (3-15)	9 (3-15)	15 (3-15)	14 (3-15)	0.93
Hemoglobin, g/dl	12.5 (11-13.8)	11.9 (10.2-12.8)	11.7 (10.7-13.0)	13.8 (11.3-14.8)	0.006
Platelets, 10 ⁹ /l	223 (176-289)	203 (165-278)	257 (183-297)	217 (176-250)	0.31
Base Excess	-5 (-10 to -3)	-8 (-10 to -4)	-5 (-9 to -2)	-5 (-10 to -3)	0.56
<i>Continuous data presented as: median (IQR)</i>					
<i>*Results of Kruskal Wallis Test</i>					
<i>ED – Emergency Department; SBP – Systolic Blood Pressure; HR – Heart Rate; GCS – Glasgow Coma Scale</i>					

Supplemental Table 5:

Prehospital Blood Subgroup Analysis					
TEG Parameter	All Patients (n=67)	Pregnant (n=8)	Non-Pregnant (n=29)	Male (n=30)	P*
ACT, sec	121 (105-136)	132 (121-164)	113 (105-128)	128 (113-136)	0.02
Split Point Time, min	0.6 (0.5-0.8)	0.7 (0.6-0.8)	0.6 (0.5-0.8)	0.7 (0.5-0.8)	0.31
Reaction Time, min	0.8 (0.6-0.9)	0.9 (0.8-1.2)	0.7 (0.6-0.8)	0.8 (0.7-0.9)	0.01
Kinetic Time, min	1.7 (1.2-1.9)	1.9 (1.2-2.7)	1.3 (1.0-1.8)	1.7 (1.5-2.1)	0.04
α Angle, deg	71 (68-75)	67 (59-74)	74 (70-77)	70 (67-73)	0.01
Maximum Amplitude, mm	61 (55-67)	62 (53-69)	64 (58-67)	59 (54-63)	0.09
G Value, d/sc	7.8 (6.1-10.1)	8.2 (5.8-10.8)	8.9 (6.9-10.1)	7.1 (5.8-8.6)	0.09
LY-30, %	1.1 (0.1-3.1)	0.9 (0.6-6.6)	1.1 (0.1-3.1)	1.1 (0-3.6)	0.82
TEG Category					
Hypocoagulable (MA \leq 55)	15 (22%)	2 (25%)	5 (17%)	8 (27%)	0.67
Hypocoagulable (α Angle \leq 60 deg)	7 (11%)	2 (25%)	1 (3%)	4 (13%)	0.17
High LY-30 (Lysis \geq 3.0%)	20 (30%)	2 (25%)	9 (31%)	9 (30%)	0.95
Normocoagulable (MA 56-64)	28 (42%)	3 (37%)	10 (34%)	15 (50%)	0.78
Normocoagulable (α Angle 61-75 deg)	47 (70%)	5 (63%)	18 (62%)	24 (80%)	0.28
Physiologic Lysis	16 (24%)	2 (25%)	7 (24%)	7 (23%)	1
Hypercoagulable (α Angle \geq 76 deg)	13 (19%)	1 (12%)	10 (34%)	2 (7%)	0.02
Hypercoagulable (MA \geq 65)	24 (36%)	3 (38%)	14 (48%)	7 (23%)	0.14
Low LY-30 (Lysis \leq 0.8%)	31 (46%)	4 (50%)	13 (44%)	14 (45%)	0.97
Continuous data presented as: median (IQR)					
*Results of Kruskal Wallis Test					
ACT – Activated Clotting Time; LY-30 - Lysis 30 minutes after MA					

Supplemental Table 6:

Prehospital Blood Subgroup Analysis					
Outcome	All Patients (n=67)	Pregnant (n=8)	Non- Pregnant (n=29)	Male (n=30)	P*
Tranexamic Acid	5 (7%)	0	1 (3%)	4 (13%)	0.24
Deep Vein Thrombosis	3 (5%)	0	2 (7%)	1 (3%)	0.65
Pulmonary Embolism	8 (1%)	0	1 (3%)	0	0.51
Length of Stay, days	9 (4-19)	6 (2-11)	9 (5-19)	9 (4-22)	0.37
Intensive Care Unit Days	2 (1-7)	1 (0-5)	3 (1-13)	3 (0-5)	0.39
Ventilator Days	1 (0-3)	1 (0-3)	2 (0-9)	1 (0-2)	0.37
Mortality	13 (19%)	3 (38%)	5 (17%)	5 (17%)	0.39
<i>Continuous data presented as: median (IQR)</i> <i>*Results of Kruskal Wallis Test</i>					