

**Appendix 1 Laboratory results of patients who underwent an resuscitative or emergency thoracotomy**

<b>Laboratory results upon arrival hospital</b>	<b>Total n = 56 (100%)</b>	<b>Survived first 30 days n = 18 (32%)</b>	<b>Deceased within first 30-days n = 38 (68%)</b>	<b>Resuscitative thoracotomy n = 45 (80%)</b>	<b>Emergency thoracotomy n = 11 (20%)</b>
Hemoglobin in mmol/L <sup>a</sup> , median (IQR) < 7.4 mmol/L, n (%)	7.2 (5.5 – 8.1) 28 (56)	7.8 (6.0 – 8.6) 8 (29)	7.0 (5.1 – 7.6) 20 (71)	7.2 (5.1 – 8.0) 22 (79)	7.1 (6.1 – 8.6) 6 (21)
Hematocrit in % <sup>b</sup> , median (IQR) <36%, n (%)	34 (26 – 39) 28 (57)	37 (29 – 41) 7 (25)	34 (24 – 38) 21 (75)	34 (24 – 38) 23 (82)	36 (29 – 41) 5 (18)
Leukocytes in x10 <sup>9</sup> /L <sup>c</sup> , median (IQR) >10 x10 <sup>9</sup> /L, n (%)	12 (8 – 19) 23 (62)	15 (11 – 19) 13 (57)	10 (6 – 18) 10 (43)	12 (7 – 18) 16 (70)	15 (11 – 20) 7 (30)
Thrombocytes in x10 <sup>9</sup> /L <sup>d</sup> , median (IQR) <150 x10 <sup>9</sup> /L, n (%)	149 (113 – 237) 20 (50)	211 (154 – 277) 4 (20)	122 (82 – 159) 16 (80)	131 (112 – 211) 15 (75)	174 (119 – 269) 5 (25)
PT in seconds <sup>e</sup> , median (IQR) >13 seconds, n (%)	22 (15 – 34) 29 (85)	16 (13 – 22) 10 (34)	27 (17 – 57) 19 (66)	22 (17 – 35) 22 (76)	16 (15 – 23) 7 (24)
aPTT in seconds <sup>f</sup> , median (IQR) >34 seconds, n (%)	53 (36 – 111) 25 (76)	33 (30 – 42) 6 (24)	72 (54 – 120) 19 (76)	60 (38 – 120) 20 (80)	36 (30 – 74) 5 (20)
pH <sup>g</sup> , median (IQR) <7.37, n (%)	7.06 (6.95 – 7.32) 42 (89)	7.33 (7.09 – 7.37) 12 (29)	7.00 (6.87 – 7.15) 30 (71)	7.03 (6.95 – 7.20) 35 (83)	7.33 (7.11 – 7.38) 7 (17)
Bicarbonate in mmol/L <sup>g</sup> , median (IQR) <22 mmol/L, n (%)	17 (12 – 22) 35 (74)	19 (16 – 22) 10 (29)	14 (11 – 21) 25 (71)	16 (11 – 21) 29 (83)	20 (16 – 23) 6 (17)
Base deficit in mmol/L <sup>h</sup> , median (IQR) >3 mmol/L, n (%) >15 mmol/L, n (%)	11 (4 – 19) 37 (80) 15 (33)	8 (4 – 14) 12 (32) 1 (7)	15 (7 – 21) 25 (68) 14 (93)	14 (7 – 20) 30 (81) 13 (87)	6 (3 – 11) 7 (19) 2 (13)
Lactate in mmol/L <sup>e</sup> , median (IQR) >2.2 mmol/L, n (%)	7.7 (4.2 – 10.9) 32 (94)	6.1 (4.4 – 10.4) 13 (41)	9.3 (3.9 – 15.0) 19 (59)	9.3 (4.4 – 13) 25 (78)	5.2 (4.2 – 6.5) 7 (22)
pCO2 in mmHg <sup>g</sup> , median (IQR) >45 mmHg, n (%)	49 (42 – 61) 30 (64)	42 (35 – 56) 7 (41)	56 (45 – 65) 23 (74)	52 (44 – 63) 25 (83)	43 (34 – 50) 5 (17)
Potassium in mmol/L <sup>b</sup> , median (IQR) >5.0 mmol/L, n (%)	4.1 (3.6 – 5.3) 15 (31)	3.6 (3.5 – 4.0) 0 (0)	4.9 (3.8 – 6.6) 15 (100)	4.4 (3.6 – 6.1) 15 (100)	3.6 (3.5 – 3.9) 0 (0)

Abbreviations: aPPT = Activated Partial Thromboplastin Time; IQR = Interquartile Range; PT = Prothrombin Time.  
Missing variables: <sup>a</sup> 6 missing; <sup>b</sup> 7 missing; <sup>c</sup> 19 missing; <sup>d</sup> 16 missing; <sup>e</sup> 22 missing; <sup>f</sup> 23 missing; <sup>g</sup> 9 missing; <sup>h</sup> 10 missing.  
\*References values: Hemoglobin 7.4 – 9.6 mmol/L, Hematocrit 36 – 46%, Leukocytes 4.0 – 10.0 x10<sup>9</sup>/L, Thrombocytes 150 – 450 x 10<sup>9</sup>/L, PT 10-13 seconds, aPTT 24 – 34 seconds, pH 7.37 – 7.45, Bicarbonate 22 – 29 mmol/L, Base deficit -3.0 – 3.0 mmol/L, Lactate 0.0-2.2 mmol/L, pCO2 35 – 45 mmHg, Potassium 3.8 – 5.0 mmol/L.