

## Appendix 1

Variations of different parameters along Intensive Care Unit with a significant *p*-value (*p*<0.05) (median values)

Variable	Reference values	Admission (n=145)	ICU 5 days (n=125)	ICU 10 days (n=90)	ICU 15 days (n=70)	ICU 20 days (n=53)	ICU 25 days (n=42)	ICU 30 days (n=35)	Discharge (n=145)	<i>p</i> -value (admission vs. Discharge)
Hemoglobin (g/dl)	12.5-17.5	12.7 [11.4-14.0]	11.5 [10.3-12.9]	10.5 [9.0-11.9]	9.2 [8.2-10.6]	8.4 [7.8-9.9]	8.3 [7.8-9.1]	8.5 [8.1-9.0]	10.4 [8.5-12.4]	<0.001
Hematocrit (%)	40-50	37.4 [33.9-41.1]	34.4 [31.5-38.7]	31.2 [27.1-35.4]	27.1 [24.6-31.4]	25.2 [23.5-28.3]	25.1 [23.3-27.4]	25.3 [24.4-27.0]	30.8 [26.2-36.3]	<0.001
Platelets (x 10 <sup>9</sup> /L)	150-450	249.0 [187.0-330.0]	293.0 [218.0-360.0]	289.0 [191.0-366.0]	254.5 [151.3-327.8]	219.0 [143.0-299.0]	231.5 [171.3-296.5]	254.0 [172.5-317.5]	299.0 [206.0-379.0]	<0.001
Lymphocytes (x 10 <sup>6</sup> /L)		0.6 [0.4-0.9]	0.8 [0.5-1.1]	0.9 [0.5-1.4]	0.9 [0.6-1.5]	0.9 [0.6-1.5]	0.9 [0.7-1.5]	1.3 [0.8-1.7]	1.1 [0.7-1.7]	<0.001
LDH (U/L)	100-250	528.0 [395.0-664.0]	410.0 [336.0-546.0]	407.0 [309.5-510.8]	359.5 [286.0-509.0]	366.0 [288.0-477.0]	376.0 [289.0-504.0]	425.0 [312.5-544.0]	352.0 [283.0-433.0]	<0.001
CRP (mg/dl)	<0.5	13.3 [8.5-21.0]	8.9 [3.9-15.8]	8.7 [3.6-14.3]	9.3 [4.1-15.9]	5.5 [2.7-11.6]	6.9 [3.6-10.7]	4.8 [2.3-7.3]	4.2 [1.6-11.3]	<0.001
Creatinine (mg/dl)	0.7-1.20	0.9 [0.7-1.2]	0.7 [0.6-0.9]	0.7 [0.5-0.9]	0.6 [0.5-0.9]	0.5 [0.4-0.9]	0.5 [0.4-0.8]	0.5 [0.4-0.7]	0.7 [0.5-0.9]	<0.001
Troponin (ng/L)	<14	13.0 [8.0-31.0]	13.0 [6.3-24.0]	14.0 [8.0-27.0]	19.5 [11.0-31.0]	22.5 [13.3-38.8]	20.0 [11.5-47.5]	22.0 [18.0-52.5]	20.0 [8.0-39.5]	0.001
aPTT (sec)		0.94 [0.89-1.00]	0.94 [0.89-1.06]	0.96 [0.90-1.14]	1.01 [0.90-1.19]	1.01 [0.88-1.17]	0.93 [0.86-1.26]	0.97 [0.86-1.25]	0.97 [0.88-1.10]	0.002
Fibrinogen (mg/dL)	200-400	602.00 [487.00-722.00]	551.50 [427.75-718.25]	607.00 [455.00-772.50]	620.00 [445.50-759.50]	534.00 [336.00-699.00]	483.00 [386.00-621.00]	400.00 [256.50-509.50]	470.50 [362.00-603.75]	<0.001
IL-6 (pg/ml)	<40	54.80 [16.30-96.00]	32.20 [12.40-83.98]	41.65 [12.08-131.90]	30.20 [15.20-83.78]	36.90 [15.08-61.08]	19.00 [10.95-77.60]	19.15 [14.30-39.38]	11.20 [6.00-20.20]	0.0002
Ferritin (ng/dl)	30-400	1194.00 [688.00-1776.00]	1211.00 [723.50-1814.50]	1018.00 [752.25-1586.25]	1100.00 [688.25-1728.50]	890.50 [55.30-1196.25]	761.50 [505.00-1110.50]	608.00 [406.00-919.50]	872.50 [546.25-1236.50]	<0.001
FVIII (%)	50-150	232.50 [190.50-277.75]	263.00 [239.00-303.00]	279.00 [250.00-333.00]	277.00 [246.50-325.25]	272.50 [220.75-347.00]	307.00 [250.00-339.00]	256.00 [221.00-303.00]	280.00 [250.00-340.50]	<0.001
Antithrombin (%)	80-120	101.00 [81.00-110.00]	105.00 [92.50-112.50]	101.00 [87.50-116.50]	97.00 [79.75-108.75]	104.00 [77.00-122.00]	107.00 [92.75-115.75]	107.00 [90.25-131.25]	104.50 [91.00-116.25]	0.0003

Variations of different parameters along Intensive Care Unit with a significant  $p$ -value ( $p < 0.05$ ) (median values)

Variable	Reference values	Admission (n=145)	ICU 5 days (n=125)	ICU 10 days (n=90)	ICU 15 days (n=70)	ICU 20 days (n=53)	ICU 25 days (n=42)	ICU 30 days (n=35)	Discharge (n=145)	$p$ -value (admission vs. discharge)
CFT- EXTEM (sec)	34-159	56.00 [44.00-70.00]	53.00 [44.00-67.00]	51.00 [44.00-64.00]	60.00 [49.00-83.25]	57.00 [45.00-85.00]	62.00 [52.00-81.75]	59.50 [47.00-91.00]	57.50 [48.00-65.50]	<b>0.002</b>
LI60-EXTEM (%)		94.00 [92.00-97.00]	96.00 [94.00-98.00]	98.00 [96.00-99.00]	98.00 [96.00-99.00]	98.00 [96.00-99.00]	98.00 [96.00-99.00]	98.00 [95.00-98.00]	96.00 [94.00-98.00]	<b>&lt;0.001</b>
ML-EXTEM (%)		10.00 [7.00-13.00]	7.00 [4.00-10.00]	5.00 [3.00-8.00]	4.00 [2.00-6.00]	5.00 [2.00-7.00]	5.50 [3.00-7.75]	5.00 [1.00-33.00]	7.00 [5.00-9.00]	<b>&lt;0.001</b>
LI30-INTEM (%)		100.00 [99.00-100.00]	100.00 [100.00-100.00]	100.00 [100.00-100.00]	100.00 [100.00-100.00]	100.00 [100.00-100.00]	100.00 [100.00-100.00]	100.00 [100.00-100.00]	100.00 [100.00-100.00]	<b>&lt;0.001</b>
LI60-INTEM (%)		93.00 [90.00-97.00]	97.00 [94.00-98.00]	98.00 [97.00-100.00]	99.00 [97.00-100.00]	99.00 [98.00-100.00]	99.00 [97.00-100.00]	99.00 [98.00-100.00]	96.00 [94.00-99.00]	<b>&lt;0.001</b>
ML-INTEM (%)		10.00 [6.00-13.25]	6.00 [3.00-9.00]	3.00 [1.00-5.00]	2.50 [1.00-5.00]	2.00 [1.00-5.00]	2.50 [1.00-4.00]	3.00 [1.00-5.00]	6.00 [3.00-9.00]	<b>&lt;0.001</b>
A5-FIBTEM (mm)	4-17	28.00 [25.00-33.00]	30.00 [23.25-34.00]	29.00 [24.00-33.00]	28.00 [24.25-32.00]	26.50 [18.25-32.00]	26.00 [18.75-29.00]	23.00 [16.50-30.00]	28.00 [22.75-32.25]	<b>0.003</b>
A10-FIBTEM (mm)	7-23	31.00 [27.00-36.00]	32.50 [26.00-37.00]	32.00 [27.25-37.00]	31.00 [27.00-35.00]	28.00 [20.50-34.50]	28.00 [21.00-31.00]	25.00 [17.75-33.25]	31.00 [25.00-35.00]	<b>0.04</b>
MCF-FIBTEM (mm)	9-25	34.00 [30.00-39.00]	35.00 [28.00-39.75]	35.00 [29.25-41.00]	34.00 [30.00-38.00]	30.00 [23.00-37.50]	31.00 [24.00-35.00]	26.50 [19.00-36.00]	33.00 [26.00-38.00]	<b>0.02</b>
LI30-HEPTEM (%)		100.00 [99.00-100.00]	100.00 [100.00-100.00]	100.00 [100.00-100.00]	100.00 [100.00-100.00]	100.00 [100.00-100.00]	100.00 [100.00-100.00]	100.00 [100.00-100.00]	100.00 [99.00-100.00]	<b>0.001</b>
LI60-HEPTEM (%)		93.00 [90.00-97.00]	96.00 [94.00-98.00]	98.00 [97.00-99.00]	99.00 [97.00-100.00]	99.00 [97.00-100.00]	99.00 [97.00-100.00]	99.00 [97.00-99.50]	96.00 [94.00-98.00]	<b>&lt;0.001</b>
ML-HEPTEM (%)		11.00 [6.00-14.00]	6.00 [3.00-9.00]	4.00 [2.00-6.00]	3.00 [1.50-5.00]	2.50 [1.00-5.00]	3.00 [1.00-6.00]	3.00 [1.25-5.00]	6.00 [3.00-9.00]	<b>&lt;0.001</b>
SOFA score		4.00 [2.00-7.00]	4.00 [2.00-6.00]	4.00 [3.00-7.00]	5.00 [4.00-7.00]	6.00 [4.00-8.00]	5.00 [4.00-8.00]	4.00 [3.00-7.00]	3.00 [2.00-6.00]	<b>0.007</b>

The complete table 3 is available online at supporting information. A5: Amplitude of clot firmness 5 minutes after CT; A10: Amplitude of clot firmness 10 minutes after CT; aPTT: Activated partial thromboplastin time; CFT: Clot formation time; CRP: C reactive protein; CT: Clotting time; dl: deciliter; IL-6: Interleukin 6; FVIII: Factor VIII; g: gramme; L: liter; LDH: Lactate Dehydrogenase; LI30: Lysis index at 30 minutes after CT; LI60: Lysis index at 60 minutes after CT; MCF: Maximum clot firmness; mg: milligram; ML: Maximum lysis during runtime; ng: nanogramme; sec: seconds; SOFA: Sequential organ failure assessment; U: Unit.