Supplementary Table 1. Comparison Of Perioperative Hematological, Biochemical Laboratory Parameters, Inflammatory And Nutritional Indices Between Groups And Over Time According To Anastomotic Leakage Status

Variable	Time	No anastomotic leakage (*n* = 162) Mean ± SD / Median (Min.–Max.)	Anastomotic leakage (*n* = 21) Mean ± SD / Median (Min.–Max.)	*P* value[1]
Hemoglobin	Preoperative	11.99 ± 2.08 11.70 (7.10–17.40) a	11.98 ± 2.03; 12.10 (8.90–16.30) a	.958
	Postoperative day 1	11.30 ± 1.70 11.30 (7.00–15.70) b	11.26 ± 1.62 11.20 (9.00–15.90) b	.761
	Postoperative day 3	10.27 ± 1.48 10.00 (6.50–15.10) c	10.31 ± 1.19 10.50 (8.40–12.80) c	.748
	***P* value[2]**	**<.001***	**< .001***	
Leukocyte	Preoperative	9.29 ± 3.60 8.34 (3.74–21.90) a	9.30 ± 3.88 8.42 (4.34–20.99) a	.990
	Postoperative day 1	12.05 ± 4.57 11.55 (2.67–26.64) b	14.93 ± 5.36 12.68 (7.96–26.98) b	.018*
	Postoperative day 3	10.35 ± 3.52 9.86 (3.57–19.39) a	13.58 ± 4.16 12.66 (6.31–23.08) b	<.001*
	***P* value[2]**	**<.001***	**<.001***	
Lymphocyte	Preoperative	1.82 ± 0.75 1.75 (0.46–4.21) a	2.07 ± 0.93 1.91 (0.72–5.02) a	.314
	Postoperative day 1	0.99 ± 0.68 0.89 (0.16–5.95) b	1.20 ± 0.65 0.98 (0.46–3.27) b	.088
	Postoperative day 3	1.35 ± 0.59 1.28 (0.10–3.67) c	1.46 ± 0.80 1.20 (0.48–4.07) c	.788
	***P* value[2]**	**< .001***	**<.001***	
Neutrophil	Preoperative	6.62 ± 3.42 5.64 (2.21–19.44) a	6.06 ± 2.81 5.71 (2.45–12.87) a	.681
	Postoperative day 1	10.32 ± 4.32 9.67 (2.39–23.12) b	12.83 ± 5.05 11.12 (6.92–24.24) b	.032*
	Postoperative day 3	8.12 ± 3.31 7.58 (2.31–17.48) c	11.26 ± 3.54 10.66 (4.53–18.28) b	<.001*
	P value[2]	**< .001***	**< .001***	
Monocyte	Preoperative	0.68 ± 0.29 0.63 (0.06–1.97) a	0.67 ± 0.24 0.63 (0.29–1.34) a	.847
	Postoperative day 1	0.69 ± 0.31 0.64 (0.07–2.10) a	0.84 ± 0.46 0.73 (0.10–2.04) a	.189
	Postoperative day 3	0.64 ± 0.27 0.62 (0.01–1.85) b	0.76 ± 0.27 0.74 (0.23–1.32) a	.043*
	P value[2]	**.018***	**.067**	
Platelet	Preoperative	319.24 ± 108.75 290 (66–735) a	311.38 ± 95.01 297 (135–490) a	.963
	Postoperative day 1	276.09 ± 118.22 260 (28–841) b	332.10 ± 180.02 307 (133–920) a	.185
	Postoperative day 3	264.88 ± 100.49 247 (64–727) b	281.86 ± 124.10 234 (111–577) b	.738
	***P* value[2]**	**<.001***	**.050***	
CRP	Preoperative	43.11 ± 61.19 18.45 (0.20–298) a	45.98 ± 64.88 20.00 (0.60–279) a	.825
	Postoperative day 1	96.43 ± 73.60 74.00 (3.50–338.10) b	126.90 ± 100.94 96.30 (10.40–300) b	.335
	Postoperative day 3	160.64 ± 77.99 155.40 (12.80–350) c	218.76 ± 73.14 209.40 (82–300) c	.002*
	***P* value[2]**	**< .001***	**< .001***	
Albumin	Preoperative	35.98 ± 6.47 37.00 (19–50) a	33.80 ± 7.32 34.60 (20.80–47.20) a	.213
	Postoperative day 1	27.58 ± 5.01 27.20 (16.00–38.10) b	27.27 ± 6.14 27.00 (16.60–40.60) b	.656
	Postoperative day 3	25.36 ± 4.97 25.35 (10.00–44.90) b	24.61 ± 4.45 24.40 (18.40–34.30) b	.391
	***P* value[2]**	**< .001***	**< .001***	
NLR	Preoperative	4.55 ± 3.73 3.28 (0.91–25.50) a	3.59 ± 2.93 2.47 (0.83–13.13) a	.180
	Postoperative day 1	14.31 ± 9.75 11.42 (1.47–61.18) b	13.23 ± 6.88 13.16 (4.24–26.36) b	.962
	Postoperative day 3	7.87 ± 7.57 5.83 (1.07–60.10) c	9.03 ± 4.13 7.97 (4.27–18.91) c	.016*
	***P* value[2]**	**< .001***	**< .001***	
PLR	Preoperative	208.71 ± 129.99 180.55 (52.97–1095.65) a	166.23 ± 56.39 171.11 (81.27–265.52) a	.248
	Postoperative day 1	398.10 ± 349.41 307.38 (30.77–2628.13) b	322.36 ± 167.62 299.34 (77.01–716) b	.711
	Postoperative day 3	248.22 ± 231.11 200.00 (31.37–2420) a	224.51 ± 104.21 230.30 (49.39–491.67) c	.844
	***P* value[2]**	**<.001***	**<.001***	
LMR	Preoperative	3.21 ± 2.64 2.72 (0.25–28.75) a	3.31 ± 1.43 3.38 (1.10–6.65) a	.257
	Postoperative day 1	1.71 ± 1.49 1.33 (0.24–10.54) b	2.06 ± 2.63 1.48 (0.48–13.10) b	.544
	Postoperative day 3	2.49 ± 1.65 2.19 (0.45–11.29) c	2.11 ± 1.38 1.76 (0.73–7.27) c	.119
	***P* value[2]**	**<.001***	**<.001***	
SII	Preoperative	1495.59 ± 1536.35 1022.68 (162.07–12852) a	1018.72 ± 666.27 771.48 (242.74–3165.32) a	.222
	Postoperative day 1	4158.16 ± 4170.97 2811.82 (77.85–35873.91) b	4416.42 ± 3354.08 3219.89 (616.09–11544.38) b	.449
	Postoperative day 3	2080.35 ± 2040.97 1460.22 (197.85–14875.33) a	2353.78 ± 1001.70 2328.64 (585.27–4861.09) c	.018*
	***P* value[2]**	**< .001***	**< .001***	
SIRI	Preoperative	3.39 ± 4.68 2.01 (0.09–47.43) a	2.58 ± 2.72 1.84 (0.50–11.65) a	.304
	Postoperative day 1	9.95 ± 8.47 7.81 (0.44–50.17) b	11.62 ± 10.53 8.91 (0.64–38.78) b	.526
	Postoperative day 3	4.85 ± 4.83 3.44 (0.34–37.54) c	6.66 ± 4.28 6.38 (2.25–22.79) c	.001*
	***P* value[2]**	**< .001***	**< .001***	
CAR	Preoperative	1.39 ± 2.25 0.49 (0.01–14.25) a	1.78 ± 3.07 0.61 (0.02–13.41) a	.729
	Postoperative day 1	3.74 ± 3.16 2.65 (0.17–16.91) b	5.39 ± 4.88 3.99 (0.30–18.07) b	.347
	Postoperative day 3	6.82 ± 4.10 6.16 (0.31–25.42) c	9.26 ± 3.90 9.43 (3.85–16.30) c	.007*
	***P* value[2]**	**< .001***	**< .001***	
PNI	Preoperative	45.08 ± 8.27 46.25 (23.85–67.85) a	44.14 ± 8.87 44.40 (27.55–56.35) a	.756
	Postoperative day 1	32.54 ± 6.42 32.38 (17.25–64.75) b	33.25 ± 6.02 31.85 (20.10–45.50) b	.560
	Postoperative day 3	32.10 ± 6.62 31.73 (16.85–63.25) b	31.93 ± 5.03 30.95 (24.95–41.55) b	.937
	***P* value[2]**	**< .001***	**< .001***	

*Note; Data are presented as mean ± standard deviation and median (minimum–maximum). P value1 indicates the comparison between patients with and without anastomotic leakage at the same time point using the Mann–Whitney U test; P value2 indicates the time effect within each group using the Friedman test. No significant difference was observed between time points carrying the same letter, whereas a statistically significant difference was observed between time points carrying different letters. Lettering was based on Bonferroni-adjusted pairwise comparison results. *P < .05 was considered statistically significant.*