



Corrigendum: Biomarker Guided Diagnosis of Septic Peritonitis in Dogs

OPEN ACCESS

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Specialty section:

This article was submitted to
Veterinary Emergency and Critical
Care Medicine,
a section of the journal
Frontiers in Veterinary Science

Received: 19 February 2020

Accepted: 28 February 2020

Published: 19 March 2020

Citation:

Martiny P and Goggs R (2020)
Corrigendum: Biomarker Guided
Diagnosis of Septic Peritonitis in Dogs.
Front. Vet. Sci. 7:147.
doi: 10.3389/fvets.2020.00147

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Keywords: sepsis, biomarker, effusion, gradient, lactate

A Corrigendum on

Biomarker Guided Diagnosis of Septic Peritonitis in Dogs

by Martiny, P., and Goggs, R. (2019). *Front. Vet. Sci.* 6:208. doi: 10.3389/fvets.2019.00208

In the original article, there was a mistake in **Tables 1–4** as published. The units for Procalcitonin (PCT) concentration were erroneously stated as ng/mL, but should be stated as pg/mL. The corrected Tables appear below.

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

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TABLE 1 | Comparisons of blood biomarker concentration with effusion biomarker concentrations in dogs with septic peritonitis (SP) and in dogs with non-septic peritonitis (NSA).

	SP				NSA			
	Blood median IQR	Effusion median IQR	P-value	P _{corr}	Blood median IQR	Effusion median IQR	P-value	P _{corr}
Glucose (mg/dL)	111 81–124	20 20–108	0.0011	0.0121	101 79–118	94 78–99	0.1648	1.8128
Glucose (mmol/L)	6.2 4.5–6.9	1.1 1.1–6.0	0.0011	0.0121	5.6 4.4–6.6	5.2 4.4–5.5	0.1648	1.8128
Lactate (mmol/L)	2.7 1.2–4.2	7.9 2.7–11.3	0.0066	0.0726	2.0 1.3–2.6	1.8 1.1–2.8	0.6998	7.6978
cfDNA (ng/mL)	379 316–430	1085 493–2723	0.0003	0.0033	410 316–629	470 269–1157	0.7381	8.1191
Nucleosomes (AU)	0.35 0.2–1.1	13.1 4.4–25.1	0.0001	0.0011	0.6 0.3–1.8	2.5 0.3–12.9	0.0289	0.1848
NT-proCNP (pmol/L)	11.9 5.6–42.1	6.2 1.9–25.7	0.2460	2.910	3.9 2.3–12.0	2.3 1.6–10.3	0.1134	1.333
PCT (pg/mL)	99.6 40.3–182.9	38.4 0.0–119.2	0.0028	0.0352	93.5 54.7–208.1	98.9 29.7–201.6	0.6226	6.8486
CCL2 (pg/mL)	1274 282–2715	16066 2508–96300	0.0001	0.0011	249 21–431	683 449–2225	0.0001	0.0011
CXCL8 (pg/mL)	785.4 495.6–1857.0	4325.0 21.7–75000.0	0.0090	0.099	550.3 51.8–1372.0	129.6 21.7–444.7	0.1901	2.0911
IL-10 (pg/mL)	8.5 8.5–106.4	303.1 147.6–1584.0	0.0012	0.0132	8.5 8.5–8.5	8.5 8.5–31.9	0.0312	0.3432
IL-6 (pg/mL)	9.9 3.7–1573.0	2775.0 363.5–11495.0	0.0001	0.0011	3.7 3.7–15.9	37.9 3.7–1918.0	0.0029	0.0319
KC-Like (pg/mL)	164.1 8.0–1137.0	1215.0 37.2–6973.0	0.0011	0.0121	20.3 5.3–71.5	456.2 62.1–757.0	0.0001	0.0011

Median and IQR concentrations of measured biomarkers in blood and effusion in patients with SP and NSA, and results of univariate comparisons of biomarker concentrations between fluid types with each group by Wilcoxon matched-pairs signed rank test. Biomarkers significantly different after correction for multiple comparisons ($P < 0.05$) between blood and effusion within SP and NSA groups are indicated in bold typeface. AU, arbitrary unit; CCL2, C-C Motif Chemokine Ligand-2; cfDNA, cell-free DNA; CXCL8, chemokine C-X-C motif ligand 8; IL, interleukin; IQR, interquartile range; KC-Like, keratinocyte chemoattractant-like; NSA, non-septic ascites; NT-proCNP, amino-terminal propeptide of C-type natriuretic peptide; P_{corr}, P-value corrected for multiple comparisons; PCT, procalcitonin; SP, septic peritonitis.

TABLE 2 | Comparisons of blood biomarker concentrations in dogs with septic peritonitis (SP) and non-septic peritonitis (NSA).

	Blood					
	SP median	IQR	NSA median	IQR	P-value	P _{corr}
Glucose (mg/dL)	111	81–124	101	79–118	0.7927	8.7197
Glucose (mmol/L)	6.2	4.5–6.9	5.6	4.4–6.6	0.7927	8.7197
Lactate (mmol/L)	2.7	1.2–4.2	2.0	1.3–2.6	0.3698	4.0678
cfDNA (ng/mL)	379	316–430	410	316–629	0.3953	4.3483
Nucleosomes (AU)	0.35	0.2–1.1	0.60	0.3–1.8	0.2043	2.2473
NT-proCNP (pmol/L)	11.9	5.6–42.1	3.9	2.3–12.0	0.0399	0.4389
PCT (pg/mL)	99.6	40.3–182.9	93.5	54.7–208.1	0.7299	8.0289
CCL2 (pg/mL)	1274	282–2715	249	21–431	0.0029	0.0319
CXCL8 (pg/mL)	785.4	495.6–1857.0	550.3	51.8–1372.0	0.188	2.068
IL-10 (pg/mL)	8.5	8.5–106.4	8.5	8.5–8.5	0.008	0.088
IL-6 (pg/mL)	9.9	3.7–1573.0	3.7	3.7–15.9	0.0680	0.748
KC-Like (pg/mL)	164.1	8.0–1137.0	20.3	5.3–71.5	0.0731	0.8041

Median and IQR concentrations of measured biomarkers in blood in patients with SP and NSA, and results of univariate comparisons of biomarker concentrations between groups by Mann-Whitney U-test. Biomarkers identified to be significantly different in blood compared between SP and NSA groups after correction for multiple comparisons ($P < 0.05$) are indicated in bold typeface. AU, arbitrary unit; CCL2, C-C Motif Chemokine Ligand-2; cfDNA, cell-free DNA; CXCL8, chemokine C-X-C motif ligand 8; IL, interleukin; IQR, interquartile range; KC-Like, keratinocyte chemoattractant-like; NSA, non-septic ascites; NT-proCNP, amino-terminal propeptide of C-type natriuretic peptide; P_{corr}, P value corrected for multiple comparisons; PCT, procalcitonin; SP, septic peritonitis.

TABLE 3 | Comparisons of effusion biomarker concentrations in dogs with septic peritonitis (SP) and non-septic peritonitis (NSA).

	Effusion					
	SP median	IQR	NSA median	IQR	P-value	P _{corr}
Glucose (mg/dL)	20	20–108	94	78–99	0.011	0.121
Glucose (mmol/L)	1.1	1.1–6.0	5.2	4.3–5.5	0.011	0.121
Lactate (mmol/L)	7.9	2.7–11.3	1.8	1.1–2.8	0.0001	0.0011
cfDNA (ng/mL)	1085	493–2723	470	269–1157	0.0205	0.2255
Nucleosomes (AU)	13.1	4.4–25.1	2.5	0.3–12.9	0.0056	0.0616
NT-proCNP (pmol/L)	6.2	1.9–25.7	2.3	1.6–10.3	0.2806	3.0866
PCT (pg/mL)	38.4	0–119.2	98.9	29.7–201.6	0.0489	0.5379
CCL2 (pg/mL)	16066	2508–96300	683	449–2225	0.0011	0.0121
CXCL8 (pg/mL)	4325.0	21.7–75000.0	129.6	21.7–444.7	0.0113	0.1243
IL-10 (pg/mL)	303.1	147.6–1584.0	8.5	8.5–31.9	0.0001	0.0011
IL-6 (pg/mL)	2775.0	363.5–11495.0	37.9	3.7–1918.0	0.0011	0.0121
KC-Like (pg/mL)	1215.0	37.2–6973.0	456.2	62.1–757.0	0.312	3.432

Median and IQR concentrations of measured biomarkers in effusion in patients with SP and NSA, and results of univariate comparisons of biomarker concentrations between groups by Mann-Whitney U-test. Biomarkers identified to be significantly different in effusion compared between SP and NSA groups after correction for multiple comparisons ($P < 0.05$) are indicated in bold typeface. AU, arbitrary unit; CCL2, C-C Motif Chemokine Ligand-2; cfDNA, cell-free DNA; CXCL8, chemokine C-X-C motif ligand 8; IL, interleukin; IQR, interquartile range; KC-Like, keratinocyte chemoattractant-like; NSA, non-septic ascites; NT-proCNP, amino-terminal propeptide of C-type natriuretic peptide; P_{corr}, P value corrected for multiple comparisons; PCT, procalcitonin; SP, septic peritonitis.

TABLE 4 | Comparisons of blood-effusion biomarker concentration gradients in dogs with septic peritonitis (SP) and non-septic peritonitis (NSA).

	Blood-Effusion Gradient					
	SP median	IQR	NSA median	IQR	P-value	<i>P</i> _{corr}
Glucose (mg/dL)	59	16–91	6	–6–27	0.0009	0.0099
Glucose (mmol/L)	3.3	0.9–5.1	0.3	–0.3–1.5	0.0009	0.0099
Lactate (mmol/L)	–4.9	–8.5 to –0.5	0.2	–0.9–0.6	0.0015	0.0165
cfDNA (ng/mL)	–757	–2331 to –179	–31	–527–165	0.005	0.055
Nucleosomes (AU)	–13.0	–22.5 to –3.4	–0.7	–12.8–0.3	0.0066	0.0726
NT-proCNP (pmol/L)	2.4	–1.6–7.4	0.8	–0.5–2.6	0.3744	4.1624
PCT (pg/mL)	27.9	8.3–98.7	22.4	–32.7–33.7	0.0861	0.9471
CCL2 (pg/mL)	–14151	–91817 to –2243	–561	–1827 to –110	0.0006	0.0066
CXCL8 (pg/mL)	–3657.0	–68631.0–623.7	134.1	–51.1–1316.0	0.0129	0.1419
IL-10 (pg/mL)	–294.6	–1430.0 to –63.8	0.0	–23.4 to 0.0	0.0004	0.0044
IL-6 (pg/mL)	–2772.0	–10272.0 to –359.8	–0.5	–1914.0 to 0.0	0.0009	0.0099
KC-Like (pg/mL)	–937.3	–4615.0 to –31.9	–425.5	–716.7 to –41.3	0.3786	4.1646

Median and IQR blood-effusion concentration gradients of measured biomarkers in patients with SP and NSA, and results of univariate comparisons of biomarker concentration gradients between groups by Mann-Whitney U-test. Biomarker blood-effusion gradients identified to be significantly different compared between SP and NSA groups after correction for multiple comparisons ($P < 0.05$) are indicated in bold typeface. AU, arbitrary unit; CCL2, C-C Motif Chemokine Ligand-2; cfDNA, cell-free DNA; CXCL8, chemokine C-X-C motif ligand 8; IL, interleukin; IQR, interquartile range; KC-Like, keratinocyte chemoattractant-like; NSA, non-septic ascites; NT-proCNP, amino-terminal propeptide of C-type natriuretic peptide; *P*_{corr}, *P* value corrected for multiple comparisons; PCT, procalcitonin; SP, septic peritonitis.