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Şen, İsmail^a; Güzelbekteş, Hasan^b; Aydoğdu, Uğur^c ; Coşkun, Alparslan^d

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^a Department of Internal Medicine, Faculty of Veterinary Medicine, Kyrgyz Turkish Manas University, Bishkek, Kyrgyzstan

^b Department of Internal Medicine, Faculty of Veterinary Medicine, Selcuk University, Konya, Turkey

^c Department of Internal Medicine, Faculty of Veterinary Medicine, Balıkesir University, Balıkesir, Turkey

^d Department of Internal Medicine, Faculty of Veterinary Medicine, Sivas Cumhuriyet University, Sivas, Turkey

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Abstract

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Abstract

The most common form of toxemia observed in large animals is endotoxemia. Endotoxemia is caused by the presence of lipopolysaccharide cell wall components of gram-negative bacteria in the blood and characterized clinically by abnormalities of many body systems. This study aimed to determine changes in serum inflammatory cytokine levels in calves with LPS-induced endotoxemia. Ten healthy Holstein breed calves were used in the study. To create experimental endotoxemia, LPS at 0.1 µg/kg dose was given intravenously to the calves from the vena jugularis as an infusion within 30 min. Blood samples to evaluate cytokines, biochemical, blood gases, and

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