



---

# DIAGNOSTIC AND PROGNOSTIC SIGNIFICANCE OF SERUM GASTRIN AND PEPSINOGEN IN DAIRY COWS WITH DISPLACED ABOMASUM

Arafat Khalphallah, Enas Elmeligy, Ahmad A. Aamer, Tharwat AbdelAll, Shin Oikawa, Ken Nakada

## Abstract:

The study aimed to describe the changes in clinical findings and serum levels of gastrin, pepsinogen and chloride (Cl) in dairy cattle with displacement of the abomasum (DA) from day 0 until day 30 after surgery and to evaluate their diagnostic and prognostic value in evaluation of the abomasal function. The study was conducted on DA cattle (n=25) belonging to dairy farms in Hokkaido area, Japan. Cows were examined and sampled at days 0 (surgery), 7 and 30. Based on blood  $\beta$ -hydroxybutyric acid (BHBA) at day 0, DA cows were classified into three categories; DA only (

## Keywords:

dairy cattle, displaced abomasum, gastrin, pepsinogen

## Published In:

Bulgarian Journal of Veterinary Medicine, , 21, No 1 , 67-75