Evaluation of insulin resistance in overweight and obese dogs

Prevalence of obesity in dogs has been increasing in the last decade, being the most common form of malnutrition and consequently has increased the appearance of metabolic diseases in this species. The objective of this study is to compare biochemical and endocrine profiles related to insulin resistance between lean and obese canine patients and to find similarities w ...

A literature-based review was made to assess the applications of GIS in veterinary epidemiology and its relevance in the prevention and control of animal diseases

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Ovarian follicular dynamics and uterine changes during the ovulatory wave predicts imminent ovulation in Mares
Equine reproduction is unique by having long behavioral estrus and variations in ovarian follicular dynamics that made difficulty to standardize breeding time in mares. ...

The identification of gene ontologies and candidate genes for digital dermatitis in beef cattle from a genome-wide association study

Bovine Digital Dermatitis (DD) is an infectious disease causing severe lameness in cattle. The aim of this study was to perform a Genome Wide Association Study (GWAS) and a Gene-Set Enrichment Analysis (GSEA) to identify candidate genes, instead of an individual Single Nucleotide Polymorphism (SNP), associated with DD traits in beef cattle. Beef cattle (n= 307) were g ...

Prevalence of camel trypanosomosis and associated risk factors in Arero district, Borena Zone, Southern Ethiopia

A cross-sectional study was conducted to determine the prevalence of camel trypanosomosis and assesses its associated risk factors in Arero district, Borena Zone, Oromia region, southern Ethiopia from November 2015 to March 2016. Blood samples were collected from randomly selected 385 camels. Giemsa-stained blood smears and Buffy coat technique were used for the detec ...
Characterization of canine mastocytoma cell response to cryoablation

Published On: February 04, 2020 | Pages: 005 - 013

Author(s): Kimberly L Santucci, Kristi K Snyder, Robert G Van Buskirk, John G Baust and John M Baust*

Introduction: Mastocytoma Tumors (MCT) represent 16%-21% of all skin cancers in dogs, making it the most common form of cutaneous cancer. Solitary MCT are typically treated with wide surgical excision margins. While effective, MCT excision can cause the release of a large amount of histamine and other cytokines resulting in complications such as systemic shock or anap ...

Prevalence of bovine tuberculosis in dairy cattle and the associated risk factors in Oromia, Ethiopia

Published On: January 31, 2020 | Pages: 001 - 004

Author(s): Dereje Lemu*, Abeje Abera, Tadelech kebede and Dimshasha Tolera

A cross-sectional study was conducted in February 2013 by using Comparative Intra-dermal Tuberculin Test (CIDT) in order to determine the prevalence bovine TB and the associated risk factors in Tiyo, Agarfa districts and in Shashemene town of Oromia National Regional State. The study subjects included were crossbred dairy animals, kept under intensive management sys ...

The milk processing: Status, challenges and opportunities in Ethiopia

Published On: May 29, 2020 | Pages: 052 - 057

Author(s): Mebrate Getabalew, Tewodros Alemneh* and Derbie Zewdie

Livestock production in Ethiopia contributes about 16.5% of the national Gross Domestic Product (GDP), 35.6% of the agricultural GDP, 15% of export earnings, and 30% of agricultural employment. The performance of livestock product marketing was poor in the last decade, despite some improvement in recent years, especially in terms of aggressive
Case Report

High mortality in geese associated with feeding tofu skin waste in Hebei Province, China

Published On: April 02, 2020 | Pages: 023 - 026

Author(s): Xinwei Wang*, Chang Cai, Yin Li, Hao Tang and Ian D Robertson

This case describes an unusual mortality in a flock of 4000 125-day-age geese fed with Tofu skin waste containing rongalite in a rural farm. Clinical symptoms, necropsy changes and intervention measures taken suggested poisoning of geese. Clinical investigation further confirmed that feeding Tofu skin waste was risk cause. This report is the first investigated case of ...

Short Communication

Need of Alertness on Porcine Circovirus 2 in North East India

Published On: May 16, 2020 | Pages: 038 - 040

Author(s): Rajesh JB*, Rajkhowa S, Dimri U, Prasad H, Sarma K and Behera SK

The domestic pig originated from the Eurasian wild boar (Sus scrofa) and its domestication started approximately 9,000 years ago [1]. Asian pig domestication appeared to have occurred mainly in North-eastern India, the Mekong region, and the middle and downstream regions of the Yangtze River [2]. The pig population in India is 8.8 million, which is 1.09% of the world' ...