

## Hematological Analysis and Disease Investigation of Formosan Sika Deer

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### ABSTRACT

Formosan sika deer (*Cervus nippon taiouanus*) is an endemic species in Taiwan. It was went extinct in the wild in 1969. To protect this specise, the government was captive breeding, and released to Kenting National Park since 1994. At present, the distribution range of sika deer has been restored around the breeding area and has gradually spread. There was hematology analysis data of the Taipei Zoo from 2003 to 2014. The blood samples were collected from adult deer that showed no signs of disease or treatment. Investigations on pasture, the *Mycobacterium bovis* infections were found in central Taiwan more than southern Taiwan, and caused tuberculosis. The illness of Formosan sika deer in Taipei zoo in 2003-2014, first was trauma, secend was gastrointestina disease, and third was joint and hoof problem. Dead or injured deer in rehabilitation area were mainly caused by dogs. These information are expected to have a warning and preventive effect on restoration areas and private pastures.

Keywords: Formosan sika deer, hematology analysis, *Mycobacterium bovis*, tuberculosis

## References

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