



## Lee, Wei-Ming

### Professor

**Professional Specialty** : Endocrinology, Pet Medicine

**Main Curriculum** :

Undergraduate : Small Animal Surgery, Clinical Endocrinology

Graduate : Small Animal Reconstruction, Small Animal Orthopedics

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### Education

Bachelor, Department of Veterinary Medicine, National Chung Hsing University 1982-1987

Master of Veterinary Medicine, Department of Veterinary Medicine, National Chung Hsing University 1988-1991

PhD, Department of Clinical Sciences of Companion Animals, Utrecht University, The Netherlands 1999-2004

### Academic/Teaching Experience

Teaching Assistant, Department of Veterinary Medicine, National Chung Hsing University 1991-1995

Instructor, Department of Veterinary Medicine, National Chung Hsing University 1996-2005

Associate Professor, Department of Veterinary Medicine, National Chung Hsing University 2005-2012

Director of Veterinary Medical Teaching Hospital, National Chung Hsing University. 2009.8-2015.1

Professor and Vice Dean, National Chung Hsing University 2012.2-2015.1

Professor, Department of Veterinary Medicine, National Chung Hsing University 2012-

### Research Achievements in 10 years

1. The Study on Hormones, Clinical Pathology, Uterine Bacteria Flora, Plasma Matrix Metalloproteinase (MMP)-2 and MMP-9 in Dogs with Pyometra (Master thesis of 2006)
2. The Activity of Endometrial Matrix Metalloproteinase (MMP) -2 and MMP-9 and the Level of Plasma Endotoxin and Vasopressin in Dogs with Pyometra (Master thesis of 2007)
3. The study on coagulant function, plasma vasopressin level, plasma and osmolality in dogs with Cushing's syndrome. (Master thesis of 2007)
4. The Changes of Plasma Calcium, Phosphorus, and Matrix Metalloproteinases -2 and -9 in Dogs with Bone Fracture (Master thesis of 2007)
5. The Change of Matrix Metalloproteinase-2, -9 and Glucocorticoid in Dogs with Mammary Gland Tumor (Master thesis of 2007)
6. Analysis on Difference of the Responses to Glucose Tolerance Test in Domestic Cats between Prepuberty and Puberty (Master thesis of 2007)
7. The effect of gonadotropin-releasing hormone on the regulation of hypothalamus-pituitary axis in prepuberty and puberty cats (Master thesis of 2008)
8. The effect of exogenous growth hormone releasing hormone on the regulation of growth

- hormone in prepubertal and pubertal cats (Master thesis of 2008)
9. The effect of intravenous glucose tolerance test in neutralized female cats (Master thesis of 2009)
  10. The activity of MMP-2 and MMP-9 in plasma and endometrium of dogs during estrous cycle (Master thesis of 2009)
  11. The activity of mmp-2 and mmp-9 in plasma and endometrium of dogs during estrous cycle (Master thesis 2010)
  12. The relationship between hypothyroidism and liver fibrosis in rats. (Master thesis 2010)
  13. The effect of different thyroxin level on rats with liver fibrosis induced by thioacetamide. (Master thesis 2011)
  14. Establishment of the Intracranial Melanoma Mice Model and Immunotherapeutic Application (Master thesis 2011)
  15. The response of pituitary hormones secretion after gonadotropin releasing hormone stimulation test in ovariectomized rats (Master thesis 2012)
  16. The effects of trivalent chromium on healing of surgical wound in mice (Master thesis 2012)
  17. The Study on Mechanism of Abnormal Water Regulation and Antibiotic Resistance of Pathogenic Escherichia coli in Bitches with Pyometra (Ph. D thesis 2012)
  18. The effects of trivalent chromium on the secretion of glucocorticoides in ACTH-stimulated rats (Master thesis 2013)
  19. Studies of the microbicidal effect of Vespa venom and Chinese herbal extracts on clinical pathogens (Ph.D thesis)
  20. The effects of trivalent chromium on hormonal regulation in ovariectomized rats (Master thesis 2014)
  21. The effects of cranberries on preventing urinary tract infections in dogs (Master thesis 2014)

#### **Programs on Processing**

22. The effect of estrogen deprivation on the regulation of hormonal change.
23. Comparing the effect of estradiol, the effect of trivalent chromium on the wound healing, blood glucose to insulin, immune response and breast cancer prevention in neutered rats.

#### **Selected Publications in 5 years**

24. Tung, K. C., F. C. Hsiao, C. H. Yang, C. C. Chou, **W. M. Lee**, K. S. Wang and C. H. Lai. 2009. Surveillance of endoparasitic infections and the first report of Physaloptera sp. and Sarcocystis spp. in farm rodents and shrews in central Taiwan. *J Vet Med Sci.* 71:43-47.
25. Saengsoi W1, Shia WY, Shyu CL, Wu JT, Warinrak C, Lee WM, Cheng FP. Detection of matrix metalloproteinase (MMP)-2 and MMP-9 in canine seminal plasma. *Anim Reprod Sci.* 2011 Aug;127(1-2):114-9. doi: 10.1016/j.anireprosci.2011.07.004. Epub 2011 Jul 23.
26. Wan-Wen Huang, Chih-Chueh Jen and Wei-Ming Lee, 2014. Case report: Combination of antithrombotics and thromolytics treatment in a cat with distal aortic thromboembolism. *TVJ*, 40(4): 209-214.