

**Chinese Society of Comparative Pathology**

中華民國比較病理學會

30週年慶暨第90次比較病理學研討會

泌尿系統疾病病理專題



主辦單位

**Chinese Society of Comparative Pathology**

中華民國比較病理學會

國立臺灣大學獸醫專業學院

中華民國 113 年 8 月 10 日 (August 10, 2024)

# 恭祝中華民國比較病理學會成立 30 週年賀詞與感言

極尊敬之與會貴賓及中華民國比較病理學會會員前輩們，大家好!

今天我們在此同歡慶祝中華民國比較病理學會 (CSCP) 成立 30 週年。CSCP 致力於結合人類醫學與動物醫學資源，推動比較病理學的研究與發展，促進國際間的學術交流。三十年來，學會在病理學界獲得了卓越的成就，進展過程中扮演了重要角色。

CSCP之創立由美國紐約動物醫學中心劉錫光教授返國極力號召，倡導結合人類醫學醫師與動物醫學界獸醫師發起，從最初的一群病理學專家和學者聚首，至今擁有超過百名會員和廣泛的國際影響力令人矚目。CSCP 於 1995 年成立，1996 年舉行首次成立大會暨研討會。歷任理事長包括黃文哲教授 (第 1、2 屆)、陳三多教授、呂福江教授、劉振軒教授、施洽雯主任、廖俊旺教授、許永祥教授、鄭謙仁教授及現任第 10 屆的張俊梁教授。透過歷屆理監事、秘書長及全體會員前輩們襄助下，有計畫地推動會務及舉辦研討會。歷經各屆理事長協助 CSCP 每年在全國各地舉辦三次學術研討會，主題涵蓋各系統性疾病類別、流行病學時勢變化等議題，迄今共舉辦 90 次研討會與分享臨床案例有 602 例。

至今，CSCP 始終堅持“學術創新、合作共贏”的目標，推動病理學領域的創新研究和技術應用，並在新興的人畜共通傳染病，如牛海綿狀腦病 (狂牛病)、炭疽病、禽流感、狂犬病、愛滋病、癌症、毒物與毒品危害、嚴重急性呼吸道症候群 (SARS)、禽流感、中東呼吸綜合症 (MERS)、COVID-19 等重大疫情中發揮重要角色。藉由跨領域之學術研討會之平台，提供更精準之病理診斷，期望達到跨專業領域之教學相長，追求尊重生命、維護健康之精準醫學與預防醫學之需求，對人畜共通疾病之流行病學，預防醫學與病理診斷，或朝向健康照護，配合液態切片 (Liquid biopsy)與次世代基因定序分析 (NGS)、人工智慧 (AI)及數位化影像傳輸與儲存、遠距醫療與教學、精準醫療 (客製化醫療服務)等拓展生物科技尖端醫療新紀元邁進中，繼往開來，薪火相傳，CSCP 能夠扮演更重要角色與貢獻。

本人要向所有會員前輩們和工作夥伴們表達最誠摯崇高的謝意，因為您的努力不懈，CSCP 才有今天的成就。未來，我們將繼續攜手，戮力以赴，為 CSCP的發展做出更大的貢獻。讓我們齊心恭祝 CSCP 未來發展更加輝煌！個人謹代表學會再次謝謝大家！祝中華民國比較病理學會 30 週年生日快樂！並祝所有貴賓及會員前輩們 健康快樂 萬事如意！

理事長：張俊梁

2024/08/10

# SCHEDULE

## 90<sup>th</sup> MEETING OF COMPARATIVE PATHOLOGY

中華民國比較病理學會 第 90 次比較病理學研討會暨會員大會

### 泌尿系統疾病病理討論會

時間：113 年 8 月 10 日（星期六）

地點：國立台灣大學獸醫專業學院獸醫三館地下一樓會議室

電話：02-33663873

Time (時間)	Schedule (議程)		Moderator (主持)
9:00~9:20	Registration (報到)		
9:20~9:30	開幕式 (致詞)		
9:30~10:30	專題演講	主講：劉越萍 司長 衛生福利部醫事司 題目：我國精準醫療政策-以實驗室開發檢測為例	張俊梁 理事長
10:30~11:00	大合照 Coffee Break (合照)		
11:00~12:00	30 週年回顧 劉振軒 教授/理事長 呂福江 理事長、施洽雯 理事長、廖俊旺 理事長、鄭謙仁 理事長		張俊梁 理事長
12:00~13:30	午餐		
13:30~15:00	專題論壇		
	專題演講	主講：林水龍 教授 國立台灣大學醫學院 生理學研究所 題目：Pericyte-specific targeting for kidney disease and complication	廖俊旺 監事
	專題演講	主講：蔡沛學 教授 國立台灣大學獸醫專業學院 題目：Nanoparticulated antioxidant mitigates chemotherapy compound-induced kidney injury	施洽雯 監事
	綜合討論		
15:00~16:30	海報發表 Coffee Break		
16:30~16:50	閉幕式/頒獎		張俊梁 理事長

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# Special Lecture I (專題演講一)

## 我國精準醫療政策-以實驗室開發檢測為例

劉越萍 司長

衛生福利部醫事司

精準醫療的核心，是透過個體的基因資訊、臨床醫療資料、病理分子基礎差異等，準確地提供民眾健康預測、疾病預防、診斷與治療。因應基因檢測技術多元發展，衛生福利部於 110 年 2 月 9 日修正發布「特定醫療技術檢查檢驗醫療儀器施行或使用管理辦法」（以下簡稱特管辦法），新增實驗室開發檢測(Laboratory Developed Tests, LDTs)管理之相關規定，本次主題將介紹實驗室開發檢測管理重點，如下：

1. 我國精準醫療關鍵議題，及明定醫療機構申請施行特管辦法附表四所訂 LDTs 項目之相關規定。
2. 為符合各界需求、提升醫療機構申請意願並加速審查效率，本部已依案件類型進行分流管理及相關配套措施，如：發布修正「醫療費用收費標準核定作業參考原則」，協助衛生局加速核定 LDTs 之醫療費用。
3. 為接軌癌症精準醫療趨勢，治療癌症病人用藥黃金期，並減輕病人經濟負擔，於 113 年 5 月 1 日起將次世代基因定序檢測（Next Generation Sequencing, NGS）癌症納入健保給付。



劉越萍  
Yueh-Ping Liu

**現職(Current Position)**

衛生福利部醫事司司長

**學歷(Education)**

銘傳大學法律系研究所

國立台灣大學醫學院醫學系

**經歷(Work Experience)**

衛生福利部醫事司 簡任技正

臺北市政府衛生局醫護管理處 處長

台灣急診醫學會兒童急症委員會 主任委員

臺灣兒童健康聯盟 秘書長

國立臺灣大學醫學院附設醫院急診醫學部 主治醫師

衛生署臺北區緊急應變中心 副執行長

國家級人體生物資料庫整合平台中央辦公室 副主任

中華民國醫師公會全聯會 副秘書長

臺北市消防局 醫療顧問醫師

**專長(Summary of Qualification)**

急診醫學

兒科急重症

公共衛生

醫療法律

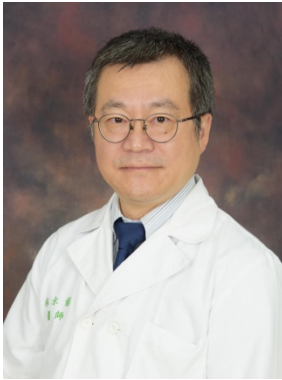
## Special Lecture II (專題演講二)

### Pericyte-specific targeting for kidney disease and complication

林水龍教授

國立台灣大學醫學院 生理學研究所

Pericytes are interstitial mesenchymal cells found in many major organs. In the kidney, microvascular pericytes are defined anatomically as extensively branched collagen-producing cells in close contact with endothelial cells. Although many molecular markers have been proposed, none of them can identify the pericytes with satisfactory specificity or sensitivity. The roles of microvascular pericytes in kidneys were poorly understood in the past. Recently, by using genetic lineage tracing to label collagen-producing cells or mesenchymal cells, the elusive characteristics of the pericytes are illuminated. In the healthy kidney, pericytes are found to take part in the maintenance of microvascular stability. Detachment of the pericytes from microvasculature and loss of close contact with endothelial cells are observed upon kidney injury. Kidney pericytes are shown to be the major source of scar-forming myofibroblasts in progressive kidney disease. Targeting the crosstalk between pericytes and neighboring endothelial cells or tubular epithelial cells may inhibit the pericyte-myofibroblast transition, prevent peritubular capillary rarefaction, and attenuate kidney fibrosis. In addition, kidney pericytes produce erythropoietin in healthy kidneys by sensing the change of oxygenation and hemoglobin concentration. However, the ability of erythropoietin production decreases in pericytes-derived myofibroblasts in chronic kidney disease, leading to renal anemia. Recent advances on epigenetics create a new field to study erythropoietin gene expression at chromatin level. Demethylating agent has shown the restoration of erythropoietin expression as well as downregulation of  $\alpha$  smooth muscle actin in myofibroblasts. Through this talk I would like to share the knowledge in the physiology and pathophysiology of kidney pericytes, and our recent research on pericyte-specific drug delivery for kidney disease and complication.



林水龍

Shuei-Liong Lin

現職 Current position:

2024.08-迄今	主任/所長	國立臺灣大學醫學院生理學科暨研究所
2015.08-迄今	教授	國立臺灣大學醫學院生理學科暨研究所
1999.07-迄今	主治醫師	台大醫院內科部腎臟科

學歷 Education

博士(2004)	國立台灣大學	臨床醫學研究所
學士(1992)	台北醫學院	醫學系

經歷 Positions and Employment

2016-2022	主任	台大醫院綜合診療部血液淨化科
2016-2022	副執行長	國立臺灣大學發育生物學與再生醫學研究中心
2011-2015	副教授	國立臺灣大學醫學院生理學科暨研究所
2010-2011	臨床副教授	國立臺灣大學醫學院內科

論文選錄 Publication list

1. Chang FC, Liu CH, Luo AJ, Huang TTM, Tsai MH, Chen YJ, Lai CF, Chiang CK, Lin TH, Chiang WC, Chen YM, Chu TS, Lin SL\* (2022, Oct). Angiotensin-2 inhibition attenuates renal fibrosis through inhibiting CCL2 expression and cell apoptosis of endothelial cells. *Kidney Int*, 102(4):780-797.
2. Pan SY, Tsai PZ, Chou YH, Chang YT, Chang FC, Chiu YL, Chiang WC, Hsu T, Chen YM, Chu TS, Lin SL\* (2021, Jun). Kidney pericyte hypoxia-inducible factor regulates erythropoiesis but not kidney fibrosis. *Kidney Int*, 99(6):1354-1368.
3. Chou YH, Pan SY, Shao YH, Shih HM, Wei SY, Lai CF, Chiang WC, Schimpf C, Yang KC, Lai LC, Chen YM, Chu TS\*, Lin SL\* (2020, Sep). Methylation in pericytes after acute injury promotes chronic kidney disease. *J Clin Invest*, 130(9):4845-4857.
4. Chang YT, Yang CC, Pan SY, Chou YH, Chang FC, Lai CF, Tsai MH, Hsu HL, Lin CH, Chiang WC, Wu MS, Chu TS, Chen YM\*, Lin SL\* (2016, Feb). DNA methyltransferase inhibition restores erythropoietin production in fibrotic murine kidneys. *J Clin Invest*, 126(2):721-731.



## Special Lecture III (專題演講三)

### Nanoparticulated antioxidant mitigates chemotherapy compound-induced kidney injury

蔡沛學 教授

<sup>1</sup>Department of Veterinary Medicine, <sup>2</sup>Graduate Institute of Veterinary Medicine, School of Veterinary Medicine, National Taiwan University, Taipei, Taiwan

<sup>3</sup>Research Center for Developmental Biology and Regenerative Medicine, National Taiwan University, Taipei, Taiwan

Cisplatin is a potent anti-cancer drug; however, its accompanying organ toxicity hampers its clinical applications. One of the Cisplatin-associated kidney injuries is known to result from its accumulation in the renal tubule with excessive generation of reactive oxygen species. We showed that honokiol, a polyphenol constituent extracted from *Magnolia officinalis* exhibited a protective effect against cisplatin-induced damage in renal epithelial cells in vitro. The protective effects of honokiol resulted from the combination of (1) reduced cellular oxidative stress ranging from 53%-32% reduction during a 24-hour incubation, (2) the maintenance of cellular antioxidant capacity, and (3) the stabilization of cytoskeletal structure of the kidney epithelial cells. By promoting the polymerization of actin (1.6-fold increase) and tubulin (1.8-fold increase) cytoskeleton, honokiol maintained epithelial cell morphology and stabilized cellular localizations of tight junction protein Occludin and adhesion junction protein E-Cadherin. With stabilized junction protein complexes and a structural polymerized cytoskeleton network, honokiol preserved epithelial cell polarity and morphology and thus reduced cisplatin-induced cell disruption and damage. Moreover, when encapsulated honokiol into antioxidant nanoparticles, we observed that 5mg/kg B.W. nanosome honokiol effectively restored renal functions of cisplatin-treated animals. The improvement was due to maintenance of cellular localization of cytochrome c and thus preserves mitochondria integrity and their redox activity, which as a consequence, reduced cellular oxidative stress and caspase 3-associated apoptosis. These improvements at the cellular level are later reflected in the observed reduction of kidney inflammation and fibrosis. Our findings not only benefit cisplatin-receiving patients with reduced renal side effects but also provide alternative and synergic solutions to improve the clinical safety and efficacy of cisplatin treatment on cancer patients.

**Keywords:** Honokiol; cisplatin; kidney injury; oxidative stress; apoptosis; nanotechnology



## 蔡沛學

Pei-Shiue Tsai

現職 Current position:

國立臺灣大學獸醫專業學院獸醫系暨獸醫學研究所 教授

學歷 Education

學士：國立中興大學獸醫系（DVM, 1995-2000）

碩士：荷蘭 Utrecht University 經濟學與流行病學（MSc, 2002-2004）

博士：荷蘭 Utrecht University 生化與細胞生物學（PhD, 2005-2010）

經歷 Positions and Employment

博士後研究：荷蘭 Utrecht University 生化與細胞生物（2010-2011）

博士後研究：美國 UMASS Medical School（2011-2012）

博士後研究：美國 Harvard Medical School（2012-2014）

國立臺灣大學教學發展中心組長（2021-2023）

國立臺灣大學副學務長（2023-present）

國立臺灣大學學輔中心主任（2023-present）

國立臺灣大學校安中心主任（2023-present）

論文選錄 Publication list (過去五年)

1. SY Chen, TE Wang, WY Lee, YY Yang, HC Lai, F Matsuda, H Kosek, YT Chen<sup>3</sup>, SH Li, PS Tsai\*. Cre-LoxP And Tamoxifen-Induced Deletion of Ovarian Quiescin Sulfhydryl Oxidase 2 Showed Disruption of Ovulatory Activity in Mice. **Journal of Ovarian Research**. 2024, 17:66 (SCI).
2. YS Wei, YL Chen, WY Lee, YY Yang, SJ Lin, CH Wu, JI Yang, TE Wang, JS Yu\*, PS Tsai\*. Antioxidant Nanoparticles Restore Cisplatin-Induced Male Fertility Defects By Promoting MDC1-53bp1-Associated Non-homologous DNA Repair Mechanism And Sperm Intracellular Calcium Influx". **International Journal of Nanomedicine**. 2023, 18: 4313-4327 (SCI).
3. AR Radzali, CH Cheng, R Radzi, MFW Cheng, AM Jaafar, PS Tsai, M Ajat\*. Preparation and Characterization of Gellan Gum Hydrogel as Therapeutic Protein Delivery for Wound Healing. **Malaysian Journal of Fundamental and Applied Sciences**. 2023. (SCI).
4. W Yang, SC Chen, TE Wang, PS Tsai, JC Chen, PL Chen\*. L1cam alternative shorter transcripts encoding the extracellular domains were overexpressed in the intestine of L1cam knockdown mice. **Genes**, 2023, Jul 13;881:147643 (SCI).

## Poster Abstract

中華民國比較病理學會 30 週年慶暨第 90 次比較病理學研討會  
90<sup>th</sup> Meeting of Comparative Pathology

No.	Affiliation	Presenter	Title
1	Li-Tzung Pathology Lab, BioTnA Group Inc.	Hao-Kai Chang	Application of Critical Pathological Techniques in Bone Implantable Medical Devices - Embedding, Sectioning, and Staining with Methyl Methacrylate (MMA)
2	National Taiwan University	Jui-Ling Ku	Pathological and Immunohistochemical Evaluation of a Case of Iridociliary Adenoma in a dog
3	National Chung-Hsing University	Guan-Shiun Chen	Characterization of a Novel Bovine Papillomavirus from a Dietary Cattle
4	National Taiwan University	Chun-Han Wu	Systemic Amyloidosis and Gout in an African penguin ( <i>Spheniscus demersus</i> ) with Bumblefoot
5	National Taiwan University	Chong Yat	Identification of Crystalline Deposit in Captive Reptiles by Using Infrared Spectroscopy
6	National Taiwan University	Chong Yat	The Role of Ras Pathway in Tumorigenesis of Feline Injection-site Sarcoma (FISS)
7	National Taiwan University	Yun-Chia Chang	Updated Phylogenetic Analysis of Spike Gene of Porcine Epidemic Diarrhea Virus Strain in Taiwan
8	National Taiwan University	Han-Yang Wang	Case report: Reproductive tract adenocarcinoma with peritoneal metastasis in two female barbary sheep ( <i>Ammotragus lervia</i> )
9	National Taiwan University	Han-Yang Wang	Case report: Necrotizing Encephalitis in A Giant Panda ( <i>Ailuropoda Melanoleuca</i> )
10	National Taiwan University	Wei-Ting Lee	Concurrent Infection of Porcine Reproductive and Respiratory Syndrome Virus, Salmonella spp. and Glaesserella parasuis in Nursey Pigs
11	Lo-Tung Poh-Ai Hospital	Chia-Wen Shih	Villoglandular Adenocarcinoma of Uterine Cervix
12	Lo-Tung Poh-Ai Hospital	Chia-Wen Shih	Ectopic Sebaceous Glands in Esophagus—A Case Report
13	National Taiwan University	Yi-Fang Lai	Development of the Lipid Nanoparticle-mRNA Vaccine against Bovine Papillomavirus
14	National Taiwan University	Yi-Wen Shen	Epitope Mapping of Monoclonal Antibodies Against Serotype I and II Feline Infectious Peritonitis Virus (FIPV)
15	National Taiwan University	Yi-Wen Shen	An unusual case of ocular neoplasm in an elderly cat
16	National Taiwan University	Hao-Hsuan Yeh	Contagious Pustular Dermatitis in a Formosan Serow ( <i>Capricornis swinhoei</i> )
17	National Laboratory Animal Center	Tzu-Yu Chen	Pseudotuberculosis: An Easy Missed Respiratory Pathogen in Immunosuppressed Rats

## **Application of Critical Pathological Techniques in Bone Implantable Medical Devices - Embedding, Sectioning, and Staining with Methyl Methacrylate (MMA)**

Hao-Kai Chang<sup>1\*</sup>, Chi-Ya Hung<sup>1</sup>, Jia-Yin Liu<sup>1</sup>, Hsien-Chang Lin<sup>1,2</sup>

<sup>1</sup>Li-Tzung Pathology Lab, BioTnA Group Inc., Kaohsiung, Taiwan

<sup>2</sup>Department of Medical Laboratory Science and Biotechnology, Kaohsiung Medical University, Kaohsiung, Taiwan

### **Background**

In research on implantable medical devices for bones, teeth, blood vessels, or skin, traditional histopathological methods irreversibly damaged calcium salts and proteins and could not observe tissue-implant interfaces. Therefore, ISO-10993-6 guidelines required morphological observation and lesion analysis without removing the implant. Methyl Methacrylate (MMA) embedding met these needs, allowing sectioning while preserving biochemical properties for H&E, histochemical, and immunohistochemical (IHC) staining.

### **Results**

After proper hardening, MMA-embedded tissues could be directly sectioned without removing implants such as bone nails, matrix, or vascular stents, and without decalcification. Depending on the implant material, tungsten carbide or diamond knives were used for sectioning, producing tissue sections approximately 5  $\mu\text{m}$  and 50  $\mu\text{m}$  thick, respectively. MMA-embedded tissue sections precisely displayed chemical stains like H&E, Masson Trichrome, and Von Kossa, and showed correct IHC signals. However, the entire process of embedding and sectioning MMA tissues took nearly a month. While sub-gross tissue morphology was well preserved at low magnification, cellular details at high magnification were not as clear as those in paraffin sections.

### **Conclusion**

MMA embedding, sectioning, and staining effectively addressed challenges in histopathology research of implantable devices, allowing tissue sectioning without removing implants and minimizing damage to tissue biochemical properties. However, its relatively complex process, high technical requirements, and equipment needs meant higher costs. Currently, the lower clarity of cellular structures compared to traditional paraffin sections remains an unresolved issue.

## **Pathological and Immunohistochemical Evaluation of a Case of Iridociliary Adenoma in a dog**

Jui-Ling Ku<sup>1</sup>, Hui-Wen Chang<sup>1\*</sup>

<sup>1</sup>Graduate Institute of Molecular and Comparative Pathobiology, School of Veterinary Medicine, National Taiwan University, Taipei 10617, Taiwan

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### **Background**

An intraocular mass was revealed by slit-lamp examination in the right eye of an 8-year-old spayed, female mixed-breed dog. Enucleation was performed due to no improvement of high intraocular pressure (HIOP) after medication for two months.

### **Results**

Grossly, a poorly demarcated, heterogeneously black and beige mass located in the unilateral iridociliary region was noted. Microscopically, arising in the ciliary body, there are neoplastic cells arranged in tubules lined by simple cuboidal to columnar epithelium and have variable numbers of dark brown granules. Under PAS stain, the unstained neoplastic cells are surrounded thick arborizing eosinophilic substance. Under IHC staining, neoplastic cells are positive for vimentin and negative for cytokeratin.

### **Conclusion**

Iridociliary adenomas are neuroectoderm-origin and the 2nd most common primary intraocular tumor of dogs. A unique characteristic is the positive staining for vimentin and negative for cytokeratin. These tumors always retain abundant basement membrane production. Increased intraocular pressure is a frequent complication that could result in corneal edema, destruction of the neural elements of the inner retina, and lead to cataract formation.

## Characterization of a Novel Bovine Papillomavirus from a Dietary Cattle

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### Background

Papillomavirus (PV) is a small, non-enveloped, circular double-strand DNA virus that mainly infects mucosal and keratinized epithelia and causes hyperplastic or neoplastic lesions. Based on the sequence identity of L1, the major capsid protein of PV, up to 43 genotypes of bovine papillomavirus (BPV) had been identified. However, the disease information about BPV in Taiwan is extremely limited. In the present study, we collected fresh skin samples that were preliminarily diagnosed as papilloma by the clinician from different farms in central Taiwan. The presence of PV in the sample was detected by traditional PCR with three pairs of degenerative primers.

### Results

An unclassified BPV with a relatively low sequence identity to the known BPVs was detected from the cutaneous papilloma collected from a dairy Holstein. Analyzing by the *de novo* next-generation sequencing (NGS), the whole genome of the unclassified BPV was obtained. Through phylogenetic analysis, the L1 sequence of our unclassified BPV shared merely 79% sequence identity with a known BPV, the BPV genotype 37. According to the definition proposed by the International Committee on Taxonomy of Viruses (ICTV), the sequence identity of L1 lower than 80% was considered a novel genotype. BPV signals were found in the hyperplastic epithelium using *in situ* hybridization, demonstrating the association between the unclassified BPV and the lesion.

### Conclusion

In this study, we confirmed the presence of BPVs in Taiwan and discovered a new genotype of BPV. The novel BPV addressed here can extend our knowledge of the genetic diversity of BPV in the world.

## Systemic Amyloidosis and Gout in an African penguin (*Spheniscus demersus*) with Bumblefoot

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### Background

A 12-year-old female African penguin from Taipei Zoo showed decreased activity and anorexia for three days with increased uric acid by blood test and long-term recurrence of bumblefoot was found dead.

### Results

Gross examination revealed an enlarged liver and swollen kidneys with diffuse white speckles on the surface. Histopathological findings are mainly characterized by multifocal deposition of eosinophilic substance around the vessels wall of kidneys and sinusoids of the liver. In kidney, clear uric acid crystals surrounded by macrophages and few fibroblasts leading to foci of tissue damage are noted. Under congo red staining, the eosinophilic substances are highlighted as apple-green birefringence in polarized light.

### Conclusion

Amyloidosis is the deposition of misfolded proteins in variable organs which is often resulted from chronic inflammation. Waterfowls are prone to systemic reactive amyloid A amyloidosis which might be associated with bumblefoot due to the long-term chronic inflammation.

## **Identification of Crystalline Deposit in Captive Reptiles by Using Infrared Spectroscopy**

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### **Background**

Crystalline accumulation diseases, such as gout, are common disorders in reptiles. However, using routine histochemistry staining cannot be applied to determine the composition of crystals in formalin-fixed paraffin-embedded (FFPE) tissue and the crystalline deposited in the tissues is also difficult to be extracted and analyzed by chemical analyses individually. Therefore, infrared spectroscopy, which could directly analyze the composition of the crystals in the FFPE tissue sections, can be helpful for diagnosis.

### **Results**

The crystals presenting different histopathological features all showed a similar characteristic spectrum that had peaks at 1590 and 1675  $\text{cm}^{-1}$ , indicative of uric acid.

### **Conclusion**

Urate crystals could show variable appearances, including atypical shapes and typical radiating needle shapes, and it might be due to the different compositions mixed in the uric acid and the level of crystallinity. In conclusion, infrared spectroscopy is a powerful tool to assist the diagnosis.



## **The Role of Ras Pathway in Tumorigenesis of Feline Injection-site Sarcoma (FISS)**

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### **Background**

Feline injection-site sarcoma (FISS) is an aggressive and invasive soft tissue sarcoma presenting different histotypes with a high recurrence rate even after radical surgical excision. Radiation therapy has been reported to increase the disease-free intervals accompanied with wide-margin excision but is not widely available so far. Therefore, the management of FISS is still challenging. Although the precise pathogenesis of FISS remains obscure, chronic inflammation is considered closely associated with the tumorigenesis. In addition, dysregulation in pathways such as MAPK and PI3K-AKT were observed in FISS cell lines through next-generation sequencing (NGS) in our previous study. The Ras signaling pathway, known for regulating cell proliferation and survival, has been studied in human and veterinary cancers, and might play an important role in FISS tumorigenesis. To investigate the role of Ras signaling pathway in FISS tumorigenesis, the *in vitro* evaluation of Ras-inhibitor, rigorsertib, were conducted using primary cell lines derived from FISSs.

### **Results**

The expression patterns of Ras, Erk and Akt in different FISS cells were different by using immunohistochemistry and immunocytochemistry staining and western blot. In general, Akt was less expressed in all FISS cells. Rigosertib was able to down-regulate the expression of Ras, Erk and Akt, and inhibited cell proliferation, migration and colonization in a dosage-dependent manner.

### **Conclusion**

The dose-dependent inhibitory effects on the growth of FISS primary cells after treated with rigosertib provide a novel insight on therapeutic developments of FISS, suggesting that Ras signaling pathway may play a role in FISS tumorigenesis.

## Updated Phylogenetic Analysis of Spike Gene of Porcine Epidemic Diarrhea Virus Strain in Taiwan

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### Background

Porcine epidemic diarrhea (PED) is a highly contagious disease caused by porcine epidemic diarrhea virus (PEDV), and results in severe diarrhea and vomiting in pigs at all ages, especially suckling pigs that usually have high mortality and morbidity. Since the first outbreak in Taiwan in 2013, the disease has continued causing enormous economic losses in the swine industry in Taiwan. Previous studies have shown that the prevailing genotype in Taiwan is G2b. Additionally, in 2018, a viral recombination event between G1a and G2b genotypes was detected and the virus was designated to a new genotype, G1c. This result emphasizes the necessity of monitoring viral genetic sequences of PEDVs.

### Results

In order to have a better understanding of the recent genetic evolution of PEDV strains circulating in Taiwan, this study collected five PEDV-positive samples from Animal Disease Diagnostic Center Yunlin Division, National Taiwan University during 2023-2024. The full-length spike (S) gene were sequenced and analyzed. The nucleotide sequences of all five strains show 97.5%-99.2% identity to past PEDV G2b strains in Taiwan and 93.1%-99.4% to foreign strains. Of note, four of them were grouped together in the phylogenetic tree and present specific amino acid substitutions at multiple sites but not at the reported neutralizing epitopes. Additionally, a short deletion was also detected.

### Conclusion

In general, our results indicated that PEDV strains in Taiwan still undergo evolution and may prone to develop endemic strains in different geographic regions.

## **Case Report: Reproductive Tract Adenocarcinoma with Peritoneal Metastasis in Two Female Barbary Sheep (*Ammotragus lervia*)**

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### **Background**

Two female barbary sheep (*Ammotragus lervia*) respectively about 13 (animal 1) and 15.5 (animal 2) year-old showed significant inappetence, anasarca, and enlarged abdomen.

### **Results**

During the necropsy, severe adhesion with fibrinous substance was noted between the internal organs and the abdominal wall. Numerous bulging nodules were found on the serosa of multiple organs. In addition, there was a uterine mass close to the cervix and a mass adhering to the intestine and uterus in animal 1 and 2, respectively. Microscopically, all masses and nodules share similar histopathological features. They are composed of glandular structures, lined by single layer of cuboidal to columnar in shape. The neoplastic cells comprise scant indistinctly bordered cytoplasm and round to oval nuclei with single or more nucleoli or finely stippled chromatin. Moderate anisocytosis and anisokaryosis are observed but the mitotic count is rare to absent.

### **Conclusion**

With the aid of IHC, these neoplastic cells show strong nuclear positivity against PAX8, indicative of mesonephric or Müllerian duct in origin. Herein, we reported two cases of adenocarcinoma originated from reproductive tract with peritoneal metastases in barbary sheep. Neoplasm is uncommonly reported in this family while a black-faced impala with uterine adenocarcinoma had been reported.

**Case report: Necrotizing Encephalitis in A Giant Panda  
(*Ailuropoda Melanoleuca*)**

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**Background**

An 18-year-old male giant panda was showing intermittent occurrences of seizures and began to behave abnormally, including weakness in its hindlimbs and lost its vision. The animal passed away during anesthesia eventually due to the irreversible brain disease and the reason of animal welfare. The results of magnetic resonance imaging examination revealed hyperattenuating imagines at the left hemisphere of the thalamus level and the bilateral caudate nucleus.

**Results**

Cavitation with an irregular and spongy surface was observed from the thalamus to the cranial occipital lobe, and the lesion mostly affected the white matter. However; the horizontal and vertical axes of the brain were still not tilted or changed. Microscopically, the malacic lesion was heavily infiltrated and surrounded by a large number of gitter cells and plump hypertrophic gemistocytes. They were highlighted against the antibodies of GFAP and Iba-1. On the other hand, lymphoplasmacytic perivascular cuffing accompanied by perivascular edema was found multifocally at the level of the caudate nucleus.

**Conclusion**

By ruling out tumor formation, possible pathogen infection, such as canine distemper and polyomavirus, and other potential etiologies, we concluded the present case to be necrotizing encephalitis under the category of meningoencephalitis of unknown etiology.

## Concurrent Infection of Porcine Reproductive and Respiratory Syndrome Virus, *Salmonella* spp. and *Glaesserella parasuis* in Nursey Pigs

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### Background

Three 11-week-old pigs exhibiting respiratory symptoms and severe emaciation were submitted for necropsy. Increased mortality rate was noted in nursery pigs in the farm. Under gross examination, these pigs revealed coarse hair and pale. The whole lungs appeared mottled and became dark red near the edges. Fibrinous substance was found on the surface of lung and pericardium in two pigs. In cecum, yellow-green pseudo-membranous lesions were found on the mucosa of two pigs.

### Results

Histopathological evaluation revealed bronchopneumonia, interstitial pneumonia, severe fibrinous pericarditis, and severe ulcerative and necrotizing typhlitis. Molecular examination revealed positive results of *Betaarterivirus suid 2* (PRRSV-II) and *Glaesserella parasuis*. The result of bacterial culture showed *Salmonella* spp. positive. According to the gross findings, histopathological examination and laboratory results, the case is diagnosed as concurrent infection of PRRSV, *Salmonella* spp. and *Glaesserella parasuis* in nursey pigs.

### Conclusion

In this case, strategies and treatments for controlling the diseases and the importance of these identified pathogens in pigs will be discussed.

## **Villoglandular Adenocarcinoma of Uterine Cervix Diagnosed by Cervical Smear**

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### **Background**

The most common histological subtype of cervical cancer is squamous cell carcinoma. Endocervical adenocarcinoma (ADC) is the second most common subtype, accounting for 20%–25% of all cervical cancer cases. In 1989, Young and Scully drew attention to a rare subtype of cervical adenocarcinoma, the villoglandular adenocarcinoma (VGA). The incidence of VGA is reported as less than 10% of endocervical ADCs. We report the case of a 54-year-old woman who visited our OBS & GYN OPD with the chief complaint of postmenopausal vaginal bleeding for 1 month, and increase vaginal discharge for 6 months. PV examination showed bloody discharge and papillary tumor in endocervix. Vaginal sonography showed an irregular shaped mass located at lower cervical region and measuring 3.3 x 3.2 x 3.0 cm. Cervical smear was performed.

### **Results**

Cervical smear showed endocervical cells arranged in groups with focal papillary appearance. The groups of endocervical cells showed only mild to moderate nuclear atypia, mild nuclear enlargement with increased N/C ratio, crowded nuclei, and indistinct nucleoli. No significant mitotic figure was noted. The cytologic pictures compatible with villoglandular adenocarcinoma. Cervical biopsy was performed. H&E stain and immunohistochemical stain confirmed the diagnosis of VGA of uterine cervix.

### **Conclusion**

VGA of uterine cervix is rare with the incidence less than 10% in the cervical ADCs. The median age of VGA is 41.0 years. The most common presenting symptom of VGA is cervical contact bleeding. Most patients of VGA are positive for HPV infection and most common HPV 16, 18, and 56. Cervical smear of VGA shows characteristic pictures. Most patients of VGA are classified as FIGO stage I. VGA has an excellent prognosis. It is not justified to lump VGA and usual cervical cancer together and to perform radical surgery.

## **Ectopic Sebaceous Glands in Esophagus – A Case Report**

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### **Background**

Sebaceous gland ectopia (SGE) is a term denoting the occurrence of normal sebaceous glands in an unusual location. SGE tends to be found incidentally during autopsy or esophageal biopsy or resection. In 1962, De La Pava first reported esophageal sebaceous adenosis. The occurrence of SGE in esophagus is extremely rare. Since the first report of SGE in 1962, less than 50 cases have been presented till now. We report the case of a 35-year-old girl who underwent an endoscopic examination for epigastric pain. Endoscopic biopsy was performed.

### **Results**

The endoscopy showed multiple scattered yellow-white nodules in the esophageal mucosa. Viral infection, fungal infection or ectopic sebaceous glands were considered clinically. The histopathology of endoscopic biopsy showed benign squamous epithelium with lobules of sebaceous glands. H&E and immunohistochemical stain confirmed the diagnosis of SGE.

### **Conclusion**

SGE is a very rare esophageal condition with an incidence around 0.00465% and an occurrence rate of 0.41 per year. SGE tends to be found incidentally because of the usually no symptom. Patients who were symptomatic, predominantly with gastro-esophageal reflux disease (GERD). Endoscopy demonstrated numerous tiny rounded, elevated, white-yellowish lesions in middle and lower esophagus. The main endoscopic differential diagnoses comprise glycogenic acanthosis, candidiasis, xanthomas, granular cell tumor, and papilloma. Finding sebaceous glands in the esophagus is controversial. A heterotopic histogenesis, in question due to the endodermal embryonic origin of the esophagus, has been proposed. Another theory of histogenesis proposes SGE arising in patients with a history of GERD with sebaceous metaplasia. Because there were no severe esophageal symptom or/and eating problem, the patients did not require endoscopic surgery or other treatment.

## **Development of the Lipid Nanoparticle-mRNA Vaccine against Bovine Papillomavirus**

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### **Background**

Bovine papillomavirus (BPV) causes papilloma in cattle and sarcoid in equine resulting in significant health impacts in livestock. Up to date, no commercial vaccine is available against the pathogen. In recent years, the advancement of mRNA vaccine technology offering a faster, more flexible, and more effective solution has paved the way for novel approaches to disease prevention and control. This study focuses on the development of an mRNA BPV vaccine and explores its potential applications for preventing papillomas and equine sarcoid.

### **Results**

The mRNA of BPV L1 sequences of BPV1 and BPV2 were synthesized and successfully encapsulated in lipid nanoparticle (LNP). The LNP formulated BPVL1 mRNA was demonstrated to introduce the mRNA in HEK293 cells and express L1 proteins by western blotting. The immunogenicity and safety were evaluated and confirmed in mice.

### **Conclusion**

Our results suggest that the LNP-BPV L1 mRNA might be a potential vaccine candidate for controlling and preventing bovine papillomavirus.



## **Epitope Mapping of Monoclonal Antibodies Against Serotype I and II Feline Infectious Peritonitis Virus (FIPV)**

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### **Background**

Feline infectious peritonitis (FIP) is a fatal progressive viral disease that is characterized by disseminated pyogranulomas and severe vascular damage in cats. To date, not only no effective treatment is available but the development of the FIPV vaccine is limited due to antibody-dependent enhancement (ADE). Feline infectious peritonitis virus has two serotypes. The understanding of serotype II FIPVs is more comprehensive than that of serotype I FIPVs, which are clinically predominant but difficult to be isolated. Based on our previous study, two monoclonal antibodies (mAbs) derived from mice immunized with serotype I FIPV spike (S) protein were able to neutralize serotype II FIPV NTU156 strain, indicating the cross-reactivity between two serotypes. Therefore, these antibodies and their corresponding epitopes may provide novel approaches for therapeutic development.

### **Results**

Our experimental results showed that the epitopes of two mAbs (YB4D01 and YN1E06) should be linear and located at domain 0 of S protein of serotype I FIPV UU4 strain. The alignment of amino acid sequences of two FIPV strains demonstrated two potential epitopes.

### **Conclusion**

To evaluate the therapeutic potential of mAb YB4D01 and YN1E06, further study is still needed to determine the epitopes and the neutralizing ability against serotype I FIPVs.

## **An unusual case of ocular neoplasm in an elderly cat**

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### **Background**

Ocular tumors in cats are seen uncommonly in general practice, but they can result in devastating consequences for an animal's vision and overall welfare.

### **Results**

Multifocally to coalescing, the architecture of the global was effaced and replaced by neoplasm growth whose lesion of the invasion broadly included the eyelid, anterior chamber, and optic disc. The polygonal neoplastic cells arranged in a solid pattern had variably distinct cytoplasmic borders and a moderate amount of pale eosinophilic cytoplasm. The round nucleus presents basophilic and dense to coarsely stippled chromatin, occasionally featuring one to two condensed nucleoli. The mitotic count is 9 /10 HPF. Anisocytosis and anisokaryosis were mild. Interestingly, no retina nervous tunic could be distinguished in this submitted specimen. The origin of this case couldn't be confirmed merely depending on the pathology feature under H&E stain. Under Immunohistochemistry staining, some neuronal markers, including Synaptophysin, GFAP, NSE, and Cytokeratin (CK), appear partially positive.

### **Conclusion**

The diagnosis is made by the histopathological findings characterized by a primitive appearance and expressing primitive neuroepithelial cell markers such as NSE. Besides, it is considered evidence of differentiation that there is a partially positive signal of mature neuroepithelial cell markers.

## **Contagious Pustular Dermatitis in a Formosan Serow (*Capricornis swinhoei*)**

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### **Background**

A Formosan Serow (*Capricornis swinhoei*) with poor body condition was subjected to the wildlife clinic and found dead afterward.

### **Results**

Upon autopsy, severely thickened skin lesions around the eyes, lips and snout were noticed. Multiple papillary and cauliflower-like cutaneous lesions were found on limbs, flank, and abdomen. Histopathological examination revealed extreme epidermal hyperplasia, hyperkeratosis, and marked neovascularization. Under higher power field, ballooning degeneration and nuclear pyknosis with occasional intracytoplasmic inclusions were found in the keratinocytes. To further confirm the etiology, the polymerase chain reaction (PCR) targeting the B2L gene of Orf virus was performed. The B2L gene was successfully detected from the lesions and demonstrated a high phylogenetic similarity with Orf virus from South China.

### **Conclusion**

Judging from the clinical symptoms, histopathological findings, and molecular evidence, the final diagnosis of the present case was contagious pustular dermatitis.

## **Pseudotuberculosis: An Easy Missed Respiratory Pathogen in Immunosuppressed Rats**

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### **Background**

*Corynebacterium pseudodiphtheriticum* has uncommonly been reported to occur in laboratory rats and mice, but *C. kutscheri* is a common bacterium isolated from the oral cavity of healthy mice and rats. This case report describes the rare finding of pseudotuberculosis in Lewis rats following coronary artery ligation and immunosuppressive therapy.

### **Results**

The rats appeared weight loss, ruffled fur, dyspnea, chromodacryorrhea, hunched posture and lameness. Gross findings included multifocal randomly distributed abscesses, abscesses in the liver and kidney and multiple abscess around surgical suture area. On microscopic examination, the lesions were necrosuppurative pneumonia, caseous necrosis in the these suppuratives lesion and multiple abscesses with pyelonephritis. The histopathology results are related to gross findings. The Gram stain of the swab from the lung was positive. A heavy pure growth of Gram-positive bacillus was identified as *Corynebacterium kutscheri* by API system.

### **Conclusion**

Infection with this agent is usually subclinical in rats and mice and results in disease expressions only after severe immunosuppression.

# 中華民國比較病理學會章程

## 第一章 總則

- 第一條 本會定名為中華民國比較病理學會，英文名稱為 Chinese Society of Comparative Pathology (CSCP) (以下簡稱本會)。
- 第二條 本會依內政部人民團體法設立，為非營利目的之社會團體，以結合人類醫學與動物醫學資源，提倡比較病理學之研究與發展，交換研究教學心得，聯絡會員友誼及促進國際間比較醫學之交流為宗旨。
- 第三條 本會以全國行政區域為組織區域，會址設於主管機關所在地區，並得報經主管機關核准設主分支機構。前項分支機構組織簡則由理事會擬訂，報請主管機關核准後行之。會址及分支機構之地址於設置及變更時應報請主管機關核備。
- 第四條 本會之任務如左：
- 一、 提倡比較病理學之研究與發展。
  - 二、 舉辦學術演講會、研討會及相關訓練課程。
  - 三、 建立國內比較醫學相關資料庫。
  - 四、 發行比較病理學相關刊物。
  - 五、 促進國內、外比較醫學之交流。
  - 六、 其他有關比較病理學術發展之事項。
- 第五條 本會之主管機關為內政部。目的事業主管機關依章程所訂之宗旨與任務，主要為行政院衛生署及農業委員會，其目的事業應受各該事業主管機關之指導與監督。

## 第二章 會員

- 第六條 本會會員申請資格如下：
- 一、 一般會員：贊同本會宗旨，年滿二十歲，具有國內外大專院校(或同等學歷)生命科學及其它相關科系畢業資格或高職畢業從事生命科學相關工作滿兩年者。
  - 二、 學生會員：贊同本會宗旨，在國內、外大專院校生命科學或其它相關科系肄業者(檢附學生身份證明)。
  - 三、 贊助會員：贊助本會工作之團體或個人。

四、 榮譽會員：凡對比較病理學術或會務之推展有特殊貢獻，經理事會提名並經會員大會通過者。

前項一、二、三項會員申請時應填具入會申請書，經一般會員二人之推薦，經理事會通過，並繳納會費。學生會員身份改變成一般會員時，得再補繳一般會員入會費之差額後，即成為一般會員，榮譽會員免繳入會費與常年會費。

第七條 一般會員有表決權、選舉權、被選舉與罷免權，每一會員為一權。贊助會員、學生會員與榮譽會員無前項權利。

第八條 會員有遵守本會章程、決議及繳納會費之義務。

第九條 會員有違反法令、章程或不遵守會員大會決議時，得經理事會決議，予以警告或停權處分，其危害團體情節重大者，得經會員大會決議予以除名。

第十條 會員喪失會員資格或經會員大會決議除名者，即為出會。

第十一條 會員得以書面敘明理由向本會聲明退會。但入會費與當年所應繳納的常年會費不得申請退費。

### 第三章 組織及職員

第十二條 本會以會員大會為最高權力機構。

第十三條 會員大會之職權如下：

- 一、 訂定與變更章程。
- 二、 選舉及罷免理事、監事。
- 三、 議決入會費、常年會費、事業費及會員捐款之方式。
- 四、 議決年度工作計畫、報告、預算及決算。
- 五、 議決會員之除名處置。
- 六、 議決財產之處分。
- 七、 議決本會之解散。
- 八、 議決與會員權利義務有關之其他重大事項。

前項第八款重大事項之範圍由理事會訂定之。

第十四條 本會置理事十五人，監事五人，由會員選舉之，分別成立理事會、監事會。

選舉前項理事、監事時，依計票情形得同時選出候補理事五人，候補監事一人，遇理事或監事出缺時，分別依序遞補之。

本屆理事會得提出下屆理事及監事候選人參考名單。

第十五條 理事會之職權如下：

- 一、 審定會員之資格。
- 二、 選舉及罷免常務理事及理事長。

- 三、 議決理事、常務理事及理事長之辭職。
- 四、 聘免工作人員。
- 五、 擬訂年度工作計畫、報告、預算及決算。
- 六、 其他應執行事項。

第十六條 理監事置常務理事五人，由理事互選之，並由理事就常務理事中選舉一人為理事長。

理事長對內綜理監督會議，對外代表本會，並擔任會員大會、理事會主席。

理事長因事不能執行職務時，應指定常務理事一人代理之，未指定或不能指定時，由常務理事互推一人代理之。

理事長或常務理事出缺時，應於一個月內補選之。

第十七條 監事會之職權如左：

- 一、 監察理事會工作之執行。
- 二、 審核年度決算。
- 三、 選舉及罷免常務監事。
- 四、 議決監事及常務監事之辭職。
- 五、 其他應監察事項。

第十八條 監事會置常務監事一人，由監事互選之，監察日常會務，並擔任監事會主席。

常務監事因事不能執行職務時，應指定監事一人代理之，未指定或不能指定時，由監事互推一人代理之。監事會主席（常務監事）出缺時，應於一個月內補選之。

第十九條 理事、監事均為無給職，任期三年，連選得連任。理事長之連任以一次為限。

第二十條 理事、監事有下列情事之一者，應即解任：

- 一、 喪失會員資格。
- 二、 因故辭職經理事會或監事會決議通過者。
- 三、 被罷免或撤免者。
- 四、 受停權處分期間逾任期二分之一者。

第二十一條 本會置秘書長一人，承理事長之命處理本會事務，令置其他工作人員若干人，由理事長提名經理事會通過後聘免之，並報主管機關備查。但秘書長之解聘應先報主管機關核備。

前項工作人員不得由選任之職員（理監事）擔任。  
工作人員權責及分層負責事項由理事會令另定之。

第二十二條 本會得設各種委員會、小組或其它內部作業組織，其組織簡則由理事會擬定，報經主機關核備後施行，變更時亦同。

第二十三條 本會得由理事會聘請無給顧問若干人，其聘期與理事、監事之任期同。

#### 第四章 會議

第二十四條 會員大會分定期會議與臨時會議兩種，由理事長召集，召集時除緊急事故之臨時會議外應於十五日前以書面通知之。定期會議每年召開一次，臨時會議於理事會過半數認為必要，或經會員五分之一以上之請，或監事會半數函請召集時召開之。

第二十五條 會員不能親自出席會員大會時，得以書面委託其他會員代理，每一會員以代理一人為限。

第二十六條 會員大會之決議，以出席人數過半之同意行之。但章程之訂定與變更、會員之除名、理事及監事之罷免、財產之處置、本會之解散及其他與會權利義務有關之重大事項應有出席人數三分之二以上同意。但本會如果辦理法人登後，章程之變更應以出席人數四分之三以上之同或全體會員三分之二以上書面之同意行之。

第二十七條 理事會及監事會至少每六個月各舉行會議一次，必要時得召開聯席會議或臨時會議。

前項會議召集時除臨時會議外。應於七日以前以書面通知，會議之決議各以理事、監事過半數之出席，出席人較多數之同意行之。

第二十八條 理事應出席理事會議，監事應出席監事會議，不得委託出席；理事、監事連續二次無故缺席理事會、監事會者，視同辭職。

#### 第五章 經費及會計

第二十九條 本會經費來源如下：

- 一、入會費：一般會員新台幣壹仟元，學生會員壹佰元，贊助會員伍仟元，於入會時繳納。
- 二、常年會費：一般會員新台幣壹仟元，學生會員壹佰元。
- 三、事業費。
- 四、會員捐款。
- 五、委託收益。



六、基金及其孳息。

七、其他收入。

第三十條 本會會計年度以國曆年為準，自每年一月一日起至十二月三十一日止。

第三十一條 本會每年於會計年度開始前二個月由理事會編造年度工作計劃、收支預算表、員工待遇表，提會員大會通過（會員大會因故未能如期召開者，先提理監事聯席會議通過），於會計年度開始前報主管機關核備，並於會計年度終了後二個月內由理事會編造年度工作報告、收支決算表、現金出納表、資產負債表、財產目錄及基金收支表，送監事會審核後，造具審核意見書送還理事會，提會員大會通過，於三月底前報主管機關核備（會員大會未能如期召開者，需先報主管機關備查）。

第三十二條 本會解散後，剩餘財產歸屬所在地之地方自治團體或主管機關指定之機關團體所有。

第三十三條 本章程未規定事項，悉依有關法令規定辦理。

第三十四條 本章程經大會通過，報經主管機關核備後施行，變更時亦同。

第三十五條 本章程經本會民國八十五年二月四日第一屆第一次會員大會通過，並報經內政部 85 年 3 月 14 日台(85)內社字第 8507009 號函准予備查。

## 中華民國比較病理學會 第十屆理監事簡歷冊

序號	職別	姓名	性別	學歷	經歷	現任本職
1	理事長	張俊梁	男	國防醫學院醫學科學研究所博士	國防醫學院兼任助理教授	國軍桃園總醫院病理檢驗部兼任主治醫師/台北榮民總醫院桃園分院兼任主治醫師/銘傳大學、國防醫學院兼任教授
2	常務理事	邱慧英	女	國立台大獸醫專業學院博士	台灣養豬科學研究所	國立中興大學獸醫病理生物學研究所副教授
3	常務理事	張惠雯	女	國立臺灣大學獸醫專業學院博士	美國哈佛醫學院博士後	台灣大學分子暨比較病理生物學研究所副教授
4	常務理事	陳燕麟	男	輔仁大學化學研究所博士	日本國立神經精神中心研究員	三軍總醫院病理部主治醫師/國防醫學院助理教授
5	常務理事	劉振軒	男	美國加州大學戴維斯校區比較病理學博士	國立臺灣大學獸醫專業學院院長	台灣大學分子暨比較病理生物學研究所兼任教授
6	理事	江家瑋	男	國立臺灣大學獸醫專業學院碩士		霍普獸醫病理專科醫院病理獸醫師
7	理事	林永和	男	國立台大病理研究所碩士	台北醫學院病理科講師	台北醫學院病理科副教授
8	理事	張皓凱	男	國立中興大學獸醫病理學研究所碩士		立眾病理實驗室主任 病理獸醫
9	理事	彭奕仁	男	國防醫學院醫學科學研究所博士	美國西雅圖華盛頓大學病理研究員	三軍總醫院病理部主任/國防醫學院病理及寄生蟲研究所所長/副教授
10	理事	黃威翔	男	國立臺灣大學獸醫專業學院博士		台灣大學分子暨比較病理生物學研究所副教授
11	理事	賈敏原	男	國立臺灣大學獸醫專業學院博士	國衛院研究員	國立中興大學獸醫系副教授
12	理事	鄭明芳	男	國立陽明大學口腔生物研究所博士	三軍總醫院病理部主治醫師	國軍花蓮總醫院組織臨床病理科主任
13	理事	賴銘淙	男	清華大學生命科學院博士	彰濱秀傳紀念醫院病理科主任	衛生福利部臺中醫院病理學科主任/中山醫學大學病理科副教授
14	理事	簡耀君	男	國立臺灣大學獸	長青動物醫院病	長青動物醫院病理部

				醫專業學院碩士	理部主任	主任
15	常務監事	陳姿妤	女	國立中興大學獸醫病理學研究所碩士	生技中心研究員	財團法人國家實驗研究院國家實驗動物中心副技術師
16	監事	朱旆億	男	國立臺灣大學醫學系/國立臺灣大學獸醫專業學院博士	輔仁大學醫學系兼任助理教授	彰化秀傳紀念醫院病理科主任
17	監事	施洽雯	男	國立國防醫學院病理研究所	中山醫學院病理科副教授	羅東博愛醫院病理科主任
18	監事	廖俊旺	男	國立台灣大學獸醫學研究所博士	農業藥物毒物試驗所應用毒理組副研究員	國立中興大學獸醫病理生物學研究所教授
19	監事	鄭謙仁	男	美國北卡羅萊納州立大學博士	台灣大學獸醫學系教授兼院長	台灣大學分子暨比較病理生物學研究所教授
20	秘書長	張晏禎	女	國立臺灣大學獸醫專業學院博士	中央研究院博士後	台灣大學分子暨比較病理生物學研究所助理教授

## 中華民國比較病理學會會員名單

排序	會員編號	姓名	類別	備註
1	A00002	劉振軒	常務理事	
2	A00015	廖俊旺	監事	
3	A00022	蔡睦宗	一般會員	
4	A00041	許永祥	一般會員	停權
5	A00061	鄭謙仁	監事	
6	A00069	阮正雄	一般會員	停權
7	A00071	祝志平	一般會員	停權
8	A00074	李進成	一般會員	停權
9	A00076	施洽雯	監事	
10	A00087	林正忠	一般會員	停權
11	A00105	林永和	理事	
12	A00143	賴銘淙	理事	
13	A00262	楊俊宏	一般會員	停權
14	A00268	張俊梁	理事長	
15	A00286	江蓉華	一般會員	停權
16	A00288	蔡慧玲	一般會員	
17	A00294	魯懿萍	一般會員	停權
18	A00296	朱旆億	監事	
19	A00297	蔡懷德	一般會員	停權
20	A00299	林以樂	一般會員	停權
21	A00303	張文發	一般會員	停權
22	A00305	黃心宏	一般會員	
23	A00310	邱慧英	常務理事	
24	A00311	白馨	一般會員	停權
25	A00313	江家瑋	理事	
26	A00314	張惠雯	常務理事	
27	A00315	陳佳其	一般會員	停權
28	A00316	施正心	一般會員	
29	A00317	楊伊平	一般會員	
30	A00319	蔣克新	一般會員	停權
31	A00320	蔡清龍	一般會員	停權

排序	會員編號	姓名	類別	備註
32	A00321	吳佳樺	一般會員	停權
33	A00322	簡耀君	理事	
34	A00323	陳彥伯	一般會員	停權
35	A00324	黃馨頤	一般會員	停權
36	A00325	陳姿妤	常務監事	
37	A00326	賈敏原	理事	
38	A00327	鄭明芳	理事	
39	A00328	彭奕仁	理事	
40	A00329	李育翰	一般會員	停權
41	A00330	陳燕麟	常務理事	
42	A00331	許志勤	一般會員	
43	A00332	于知仁	一般會員	
44	A00333	何佳霖	一般會員	
45	A00334	蔡雨倫	一般會員	停權
46	A00335	林宜信	一般會員	
47	A00336	陳縱宇	一般會員	
48	A00337	郭建均	學生會員	原一般會員
49	A00338	周品君	一般會員	停權
50	A00339	陳威廷	一般會員	停權
51	A00340	高郁茜	一般會員	停權
52	A00341	趙曉梅	一般會員	停權
53	A00342	洪義文	一般會員	停權
54	A00343	羅雅文	一般會員	停權
55	A00344	黃威翔	理事	
56	A00345	郭軒	一般會員	停權
57	A00346	徐治平	一般會員	停權
58	A00347	何永傳	一般會員	
59	A00348	曹文恬	一般會員	
60	A00349	羅怡琪	一般會員	
61	A00350	張晏禎	秘書長	
62	A00351	陳謙豪	一般會員	
63	A00352	邱泓錫	一般會員	
64	A00353	黃泰堂	一般會員	

排序	會員編號	姓名	類別	備註
65	A00354	田永田	一般會員	
66	A00355	杭仁鈞	一般會員	
67	A00356	張皓凱	理事	
68	A00357	林東衛	一般會員	
69	A00358	吳保樹	一般會員	
70	A00359	徐治平	一班會員	
71	A00360	張權星	一般會員	
72	A00361	陳以瑛	一般會員	
73	A00362	楊馥華	一般會員	
74	A00363	林秉郁	一般會員	
75	A00364	彭曉婷	一般會員	
76	A00365	向家珍	一般會員	
77	A00366	李勻	一般會員	
78	A00367	廖淑惠	一般會員	
79	A00368	林鈺傑	一般會員	
80	A00369	蔡文銓	一般會員	
81	A00371	黃昱翔	一般會員	
82	A00372	鄭允涵	一般會員	

## 中華民國比較病理學會 113 年度工作計劃

### 一、 會務

#### (一) 徵求會員

二、 持續進行學會推廣及會員招募，擴大會員陣容，

#### (一) 整理會籍與清查會費

1. 更新整理會籍資料，並製作會員通訊錄

2. 清查會員繳費狀況，進行催繳，缺繳三年以上徹底實行停權

(二) 召開會議：召開會員大會一次，審查 112 年度工作報告與經費收支狀況，研議 113 年度之工作計劃及預算

(三) 學術活動：持續辦理三次研討會，並邀請國內外專家學者做學術性的演講

### 三、 業務

#### (一) 繳納會費

#### (二) 文書處理

(三) 整理與更新會員信箱，刪除無效信箱

(四) 病例資料處理：掃描研討會議病例切片，供會員研究教學使用

(五) 研討會活動照片、會員狀態及網頁維護更新

(六) 進行獸醫再教育學分與病理學分申請，協助會員學分認證

# 中華民國比較病理學會 113 年度工作報告

## 一、 召開會員大會、理監事會議、舉辦學術研討會

### (一) 會員大會

1. 第十屆第一次會員大會於 113 年 4 月 13 日於台大獸醫專業學院召開。

### (二) 理監事會議

1. 第十屆第四次理監事會議於 113 年 4 月 13 日於台大獸醫專業學院召開。

## 二、 舉辦學術演講

### (一) 第 89 次比較病理研討會邀請專題演講：

1. 顧文輝醫師：分子病理診斷在精準醫學之最新發展趨勢
2. 陳雅媚助理教授：Inflammatory bowel disease in companion animals

### (二) 第 90 次比較病理研討會邀請專題演講

1. 劉越萍司長：我國精準醫療政策-以實驗室開發檢測為例
2. 林水龍教授：Pericyte-specific targeting for kidney disease and complication
3. 蔡沛學教授：Nanoparticulated antioxidant mitigates chemotherapy compound-induced kidney injury

## 三、 舉辦學術病理切片病例討論

- (一) 於第 89 次比較病理研討會共有 5 個單位提供 5 個病例供會員討論。

## 四、 架設學會網站（網址：<http://www.ivp.nchu.edu.tw/cscp/>）

- (一) 提供第 89 次比較病理研討會活動花絮照片
- (二) 提供 30 週年慶暨第 90 次比較病理研討會活動花絮照片

## 五、 獸醫師繼續教育學分認證

- (一) 第 89 次比較病理研討會提供獸醫師繼續教育認證。
- (二) 第 90 次比較病理研討會提供獸醫師繼續教育認證。



## 資料庫使用須知

How-To Access Comparative Pathology Virtual Slides

Hosted at the Web Library in NTU Vet Med Digital Pathology Lab

(中華民國比較病理學會數位式組織切片影像資料庫)

Comparative Pathology glass slides are now digitalized and accessible to all participants through the internet and a web browser (see below for detail instruction).

1. Please make sure that your web browser (e.g. Internet Explorer, Firefox or Safari) is equipped with "flash player." If not, it can be added from <http://www.adobe.com/products/flashplayer/> for free.
2. Please go to the Chinese Society of Comparative Pathology web site at <http://www.ivp.nchu.edu.tw/cscp/>
3. Choose the slide images (e.g. 63<sup>rd</sup> CSCP)
4. Pick any case you'd like to read (e.g. case 435-440)

## 比較病理研討會病例分類一覽表

中華民國比較病理學會				
第一次至第八十九次比較病理學研討會病例分類一覽表				

### 腫瘤

病例編號	會議場次	診 斷	動物別	提 供 單 位
1.	1	Myxoma	Dog	美國紐約動物醫學中心
2.	1	Chordoma	Ferret	美國紐約動物醫學中心
3.	1	Ependyoblastoma	Human	長庚紀念醫院
8.	2	Synovial sarcoma	Pigeon	美國紐約動物醫學中心
18.	3	Malignant lymphoma	Human	長庚紀念醫院
19.	3	Malignant lymphoma	Wistar rat	國家實驗動物繁殖及研究中心
24.	3	Metastatic thyroid carcinoma	Human	省立新竹醫院
25.	3	Chordoma	Human	新光吳火獅紀念醫院
34.	4	Interstitial cell tumor	Dog	中興大學獸醫學系
35.	4	Carcinoid tumor	Human	長庚紀念醫院
36.	4	Hepatic carcinoid	Siamese cat	美國紐約動物醫學中心
38.	6	Pheochromocytoma	Ferret	美國紐約動物醫學中心
39.	6	Extra adrenal pheochromocytoma	Human	新光吳火獅紀念醫院
40.	6	Mammary gland fibroadenoma	Rat	國家實驗動物繁殖及研究中心
41.	6	Fibroadenoma	Human	省立豐原醫院
42.	6	Canine benign mixed type mammary gland tumor	Pointer bitch	中興大學獸醫學系
43.	6	Phyllodes tumor	Human	台中榮民總醫院
44.	6	Canine oral papilloma	Dog	台灣大學獸醫學系
45.	6	Squamous cell papilloma	Human	中國醫藥學院
47.	7	1. Lung: metastatic carcinoma associated with cryptococcal infection. 2. Liver: metastatic carcinoma. 3. Adrenal gland, right: carcinoma (primary)	Human	三軍總醫院
56.	8	Gastrointestinal stromal tumor	Human	台中榮民總醫院

59.	8	Colonic adenocarcinoma	Dog	美國紐約動物醫學中心
62.	8	Submucosal leiomyoma of stomach	Human	頭份為恭紀念醫院
64.	8	1. Adenocarcinoma of sigmoid colon 2. Old schistosomiasis of rectum	Human	省立新竹醫院
71.	9	Myelolipoma	Human	台北耕莘醫院
72.	9	Reticulum cell sarcoma	Mouse	國家實驗動物繁殖及研究中心
73.	9	Hepatocellular carcinoma	Human	新光吳火獅紀念醫院
74.	9	Hepatocellular carcinoma induced by aflatoxin B1	Wistar rats	台灣省農業藥物毒物試驗所
	10	Angiomyolipoma	Human	羅東博愛醫院
	10	Inverted papilloma of prostatic urethra	Human	省立新竹醫院
	10	Nephrogenic adenoma	Human	國泰醫院
	10	Multiple myeloma with systemic amyloidosis	Human	佛教慈濟綜合醫院
	10	Squamous cell carcinoma of renal pelvis and calyces with extension to the ureter	Human	台北病理中心
	10	Fibroepithelial polyp of the ureter	Human	台北耕莘醫院
90.	10	Clear cell sarcoma of kidney	Human	台北醫學院
93.	11	Mammary gland adenocarcinoma, complex type , with chondromucinous differentiation	Dog	台灣大學獸醫學系
94.	11	1. Breast, left, modified radical mastectomy, showing papillary carcinoma, invasive 2. Nipple, left, modified radical mastectomy, papillary carcinoma, invasive 3. Lymph node, axillary, left, lymphadenectomy, papillary carcinoma, metastatic	Human	羅東聖母醫院
95.	11	Transmissible venereal tumor	Dog	中興大學獸醫學系
96.	11	Malignant lymphoma, large cell type, diffuse, B-cell phenotype	Human	彰化基督教醫院
97.	11	Carcinosarcomas	Tiger	台灣養豬科學研究所
98.	11	Mucinous carcinoma with intraductal carcinoma	Human	省立豐原醫院

99.	11	Mammary gland adenocarcinoma, type B, with pulmonary metastasis, BALB/cBYJ mouse	Mouse	國家實驗動物繁殖及研究中心
100.	11	Malignant fibrous histiocytoma and paraffinoma	Human	中國醫藥學院
102.	11	Pleomorphic adenoma (benign mixed tumor)	Human	佛教慈濟綜合醫院
103.	13	Atypical central neurocytoma	Human	新光吳火獅紀念醫院
	13	Cardiac schwannoma	SD rat	國家實驗動物繁殖及研究中心
	13	Desmoplastic infantile ganglioglioma	Human	高雄醫學院
	13	1.Primary cerebral malignant lymphoma 2.Acquired immune deficiency syndrome	Human	台北市立仁愛醫院
	13	Schwannoma	Human	三軍總醫院
	13	Osteosarcoma	Dog	美國紐約動物醫學中心
	14	Mixed germ-cell stromal tumor, mixed sertoli cell and seminoma-like cell tumor	Dog	美國紐約動物醫學中心
	14	Krukenberg's Tumor	Human	台北病理中心
	14	Primary insular carcinoid tumor arising from cystic teratoma of ovary.	Human	花蓮慈濟綜合醫院
	14	Polypoid adenomyoma	Human	大甲李綜合醫院
	14	Gonadal stromal tumor	Human	耕莘醫院
	14	Gestational choriocarcinoma	Human	彰化基督教醫院
	14	Ovarian granulosa cell tumor	Horse	中興大學獸醫學系
	15	Kaposi's sarcoma	Human	華濟醫院
	15	Basal cell carcinoma (BCC)	Human	羅東聖母醫院
	15	Transmissible venereal tumor	Dog	臺灣大學獸醫學系
	17	Canine Glioblastoma Multiforme in Cerebellopontine Angle	Dog	中興大學獸醫病理研究所
143	18	Osteosarcoma associated with metallic implants	Dog	紐約動物醫學中心
144	18	Radiation-induced osteogenic sarcoma	Human	花蓮慈濟綜合醫院
145	18	Osteosarcoma, osteogenic	Dog	臺灣大學獸醫學系
146	18	Pleomorphic rhabdomyosarcoma	Human	行政院衛生署新竹醫院

147	18	Papillary Mesothelioma of pericardium	Leopard	屏東科大學獸醫學系
148	18	Cystic ameloblastoma	Human	台北醫學院
149	18	Giant cell tumor of bone	Canine	中興大學獸醫學院
150	18	Desmoplastic small round cell tumor (DSRCT)	Human	華濟醫院
152	18	Hepatocellular carcinoma	Human	羅東聖母醫院
158	20	Hemangiopericytoma	Human	羅東聖母醫院
160	20	Cardiac fibroma	Human	高雄醫學大學病理學科
166	21	Nephroblastoma	Rabbit	紐約動物醫學中心
168	21	Nephroblastoma	Pig	台灣動物科技研究所
169	21	Nephroblastoma with rhabdomyoblastic differentiation	Human	高雄醫學大學病理科
172	21	Spindle cell sarcoma	Human	羅東聖母醫院
174	21	Juxtaglomerular cell tumor	Human	新光醫院病理檢驗科
190	27	Angiosarcoma	Human	高雄醫學大學病理學科
192	27	Cardiac myxoma	Human	彰化基督教醫院病理科
194	27	Kasabach-Merrit syndrome	Human	慈濟醫院病理科
195	27	Metastatic hepatocellular carcinoma, right atrium	Human	新光醫院病理科
197	27	Papillary fibroelastoma of aortic valve	Human	新光醫院病理科
198	27	Extraplacental chorioangioma	Human	耕莘醫院病理科
208	30	Granulocytic sarcoma (Chloroma) of uterine cervix	Human	高雄醫學大學病理學科
210	30	Primary non-Hodgkin's lymphoma of bone, diffuse large B cell, right humerus	Human	彰化基督教醫院病理科
213	30	Lymphoma, multi-centric type	Dog	中興大學獸醫系
214	30	CD30 (Ki-1)-positive anaplastic large cell lymphoma (ALCL)	Human	新光醫院病理科
215	30	Lymphoma, mixed type	Koala	台灣大學獸醫學系
217	30	Mucosal associated lymphoid tissue (MALT) lymphoma, small intestine	Cat	臺灣大學獸醫學研究所
	31	Nasal type NK/T cell lymphoma	Human	高雄醫學大學病理科
	31	Acquired immunodeficiency syndrome	Human	慈濟醫院病理科

		(AIDS)with disseminated Kaposi's sarcoma		
	32	Epithelioid sarcoma	Human	彰化基督教醫院病理科
	32	Cutaneous B cell lymphoma, eyelid , bilateral	Human	羅東聖母醫院病理科
	32	Extramammary Paget's disease (EMPD) of the scrotum	Human	萬芳北醫皮膚科病理科
	32	Skin, back, excision, CD30+diffuse large B cell lymphoma, Soft tissue, leg , side not stated, excision, vascular leiomyoma	Human	高雄醫學大學附設醫院病理科
	34	Malignant melanoma, metastasis to intra-abdominal cavity	Human	財團法人天主教耕莘醫院病理科
	34	Vaccine-associated rhabdomyosarcoma	Cat	台灣大學獸醫學系
	34	1. Pleura: fibrous plaque 2. Lung: adenocarcinoma 3. Brain: metastatic adenocarcinoma	Human	高雄醫學大學附設中和醫院病理科
	34	1. Neurofibromatosis, type I 2. Malignant peripheral nerve sheath tumor (MPNST)	Human	花蓮慈濟醫院病理科
	35	Glioblastoma multiforme	Human	羅東聖母醫院
	35	Pineoblastoma	Wistar rat	綠色四季
	35	Chordoid meningioma	Human	高醫病理科
	35	Infiltrating lobular carcinoma of left breast with meningeal carcinomatosis and brain metastasis	Human	花蓮慈濟醫院病理科
	35	Microcystic Meningioma.	Human	耕莘醫院病理科
	36	Well-differentiated fetal adenocarcinoma without lymph node metastasis	Human	新光吳火獅紀念醫院
	36	Adenocarcinoma of lung.	Human	羅東聖母醫院
	36	Renal cell carcinoma	Canine	國立台灣大學獸醫學系 獸醫學研究所
	36	Clear cell variant of squamous cell carcinoma, lung	Human	高雄醫學大學附設中和醫院病理科

	37	Metastatic adrenal cortical carcinoma	Human	耕莘醫院病理科
	37	Hashimoto's thyroiditis with diffuse large B cell lymphoma and papillary carcinoma	Human	高雄醫學大學附設中和醫院病理科
	38	Medullar thyroid carcinoma	Canine	臺灣大學獸醫學系
	39	Merkel cell carcinoma	Human	羅東博愛醫院
	39	Cholangiocarcinoma	Human	耕莘醫院病理科
	39	Sarcomatoid carcinoma of renal pelvis	Human	花蓮慈濟醫院病理科
	39	Mammary Carcinoma	Canine	中興大學獸醫學系
	39	Metastatic prostatic adenocarcinoma	Human	耕莘醫院病理科
	39	Malignant canine peripheral nerve sheath tumors	Canine	臺灣大學獸醫學系
	39	Sarcomatoid carcinoma, lung	Human	羅東聖母醫院
	40	Vertebra, T12, laminectomy, metastatic adenoid cystic carcinoma	Human	彰化基督教醫院
	40	rhabdomyosarcoma	Canine	臺灣大學獸醫學系
	40	Fetal rhabdomyosarcoma	SD Rat	中興大學獸醫學系
	40	Adenocarcinoma, metastatic, iris, eye	Human	高雄醫學大學
	40	Axillary lymph node metastasis from an occult breast cancer	Human	羅東博愛醫院
	40	Hepatocellular carcinoma	Human	國軍桃園總醫院
	40	Feline diffuse iris melanoma	Feline	中興大學獸醫學系
	40	Metastatic malignant melanoma in the brain and inguinal lymph node	Human	花蓮慈濟醫院病理科
	41	Tonsil Angiosarcoma	Human	羅東博愛醫院
	41	Malignant mixed mullerian tumor	Human	耕莘醫院病理科
	41	Renal cell tumor	Rat	中興大學獸醫學系
	41	Multiple Myeloma	Human	花蓮慈濟醫院病理科
	41	Myopericytoma	Human	新光吳火獅紀念醫院
	41	Extramedullary plasmacytoma with amyloidosis	Canine	臺灣大學獸醫學系
	42	Metastatic follicular carcinoma	Human	羅東聖母醫院病理科
	42	Primitive neuroectodermal tumor (PNET), T-spine.	Human	羅東博愛醫院病理科
	42	Hemangioendothelioma of bone	Human	花蓮慈濟醫院病理科

	42	Malignant tumor with perivascular epithelioid differentiation, favored malignant PEComa	Human	彰化基督教醫院
	43	Mucin-producing cholangiocarcinoma	Human	基隆長庚醫院
	43	Cutaneous epitheliotropic lymphoma	Canine	臺灣大學獸醫專業學院
	43	Cholangiocarcinoma	Felis Lynx	臺灣大學獸醫專業學院
	43	Lymphoma	Canine	臺灣大學獸醫專業學院
	43	Solitary fibrous tumor	Human	彰化基督教醫院
	43	Multiple sarcoma	Canine	臺灣大學獸醫專業學院
	44	Malignant solitary fibrous tumor of pleura	Human	佛教慈濟綜合醫院暨慈濟大學
	44	Ectopic thymic carcinoma	Human	彰濱秀傳紀念醫院病理科
	44	Medullary carcinoma of the right lobe of thyroid	Human	彰化基督教醫院病理科
	44	Thyroid carcinosarcoma with cartilage and osteoid formation	Canine	臺灣大學獸醫專業學院
	44	Lymphocytic leukemia/lymphoma	Koala	臺灣大學獸醫專業學院
	45	Neuroendocrine carcinoma of liver	Human	佛教慈濟綜合醫院暨慈濟大學
	45	Parachordoma	Human	羅東博愛醫院病理科
	45	Carcinoma expleomorphic adenoma, submandibular gland	Human	天主教耕莘醫院病理科
	45	Melanoma, tongue	Canine	國立臺灣大學獸醫專業學院
	45	Renal cell carcinoma, papillary type	Canine	國立臺灣大學獸醫專業學院
323	46	Metastatic papillary serous cystadenocarcinoma, abdomen	Human	國軍桃園總醫院
324	46	Malignant gastrointestinal stromal tumor	Human	天主教耕莘醫院
329	47	Sclerosing stromal tumor	Human	彰化基督教醫院
330	47	Pheochromocytoma	Human	天主教耕莘醫院
334	48	Metastatic infiltrating ductal carcinoma, liver	Human	佛教慈濟綜合醫院



335	48	Adenoid cystic carcinoma, grade II, Rt breast	Human	天主教耕莘醫院
336	48	Malignant lymphoma, diffuse, large B-cell, right neck	Human	林新醫院
337	48	Pulmonary carcinoma, multicentric	Dog	國立臺灣大學 獸醫專業學院
338	48	Malignant melanoma, multiple organs metastasis	Rabbit	國立中興大學獸醫學院
340	49	Mucinous-producing urothelial-type adenocarcinoma of prostate	Human	天主教耕莘醫院
342	49	Plexiform fibromyxoma	Human	彰化基督教醫院
343	49	Malignant epithelioid trophoblastic tumor	Human	佛教慈濟綜合醫院
344	49	Epithelioid sarcoma	Human	林新醫院
346	49	Transmissible venereal tumor	Dog	國立臺灣大學獸醫專業學院
347	50	Ewing's sarcoma (PNET/ES tumor)	Human	天主教耕莘醫院病理科
348	50	Malignant peripheral nerve sheath tumor, epithelioid type	Human	林新醫院病理科
349	50	Low grade fibromyxoid sarcoma	Human	高雄醫學大學附設 中和紀念醫院病理科
351	50	Orbital embryonal rhabdomyosarcoma	Dog	Gifu University, Japan (岐阜大学)
354	50	Granular cell tumor	Dog	國立臺灣大學 獸醫專業學院
356	50	Malignant neoplasm of unknown origin, cerebrum	Dog	國立臺灣大學 獸醫專業學院
357	51	Small cell Carcinoma, Urinary bladder	Human	天主教耕莘醫院
364	51	Perivascular epithelioid cell tumor, in favor of lymphangiomyomatosis	Human	高雄醫學大學附設中和 紀念醫院病理科
365	52	Angiosarcoma, skin (mastectomy)	Human	天主教耕莘醫院病理科
366	52	Rhabdomyoma (Purkinjeoma), heart	Swine	屏東縣家畜疾病防治所
368	52	Langerhans cell sarcoma, lung	Human	高雄醫學大學附設中和 紀念醫院病理科
369	52	Biliary cystadenocarcinoma, liver	Camel	國立屏東科技大學獸醫 教學醫院病理科
371	52	Malignant melanoma, nasal cavity	Human	羅東博愛醫院病理科

373	53	Malignant giant cell tumor of tendon sheath	Human	天主教耕莘醫院病理科
376	53	Malignant mesothelioma of tunica vaginalis	Golden hamster	中興大學獸醫病理生物學研究所
377	53	Perivascular Epithelioid Cell Tumor (PEComa) of the uterus	Human	彰化基督教醫院病理部
378	53	Medullary carcinoma	Human	高雄醫學大學病理部
389	55	Mantle cell lymphoma involving ascending colon, cecum, ileum, appendix and regional lymph nodes with hemorrhagic necrosis in the colon and leukemic change.	Human	奇美醫院病理部
390	55	Pulmonary Squamous Cells Carcinoma of a Canine	Dog	國立屏東科技大學獸醫教學醫院病理科
391	55	Squamous cell carcinoma, lymphoepithelioma-like type	Human	高醫附設醫院病理科
393	55	Malignant peripheral nerve sheath tumor (MPNST), subcutis, canine.	Dog	中興大學獸醫學系
394	55	Desmoplastic malignant melanoma (mimic malignant peripheral nerve sheath tumor)	Human	中山醫學大學醫學系病理學科暨附設醫院病理科
397	56	Atypical meningioma	Human	奇美醫院病理科
401	57	Lymph nodes, excision - Hodgkin's lymphoma, mixed cellularity	Human	天主教耕莘醫院
402	57	1. Leukemia, nonlymphoid, granulocytic, involving bone marrow, spleen, liver, heart, lungs, lymph nodes, kidney, hardian gland, duodenum and pancreas. 2. Pinworm infestation, moderate, large intestines. 3. Fibrosis, focal, myocardium.	Mouse	國家實驗動物中心
403	57	Non-secretory multiple myeloma with systemic amyloidosis	Human	佛教慈濟綜合醫院暨慈濟大學病理科
404	57	1. Hepatocellular adenocarcinoma, multifocal, severe, liver 2. Hemorrhage, moderate, acute, body cavity 3. Bumble foot, focal, mild, chronic, food pad	Goose	國立中興大學獸醫病理生物學研究所

		4. cyst and atherosclerosis, chronic, testis		
406	57	Castleman's disease	Human	羅東博愛醫院
407	58	Hepatoid adenocarcinoma of colon with multiple liver metastases	Human	羅東博愛醫院
408	58	Cardiac and pulmonary melanoma	Pig	國立中興大學獸醫病理生物學研究所
409	58	Double Tumors: (1) small cell carcinoma of lung (2) Hodgkin's lymphoma, mixed cellularity type. Acrokeratosis paraneoplastica	Human	佛教慈濟綜合醫院暨慈濟大學病理科
410	58	Von Hippel-Lindau disease	Human	奇美醫院病理部
411	58	Multiple neoplasia	Tiger	國立屏東科技大學獸醫教學醫院病理科
412	58	Hepatocellular carcinoma and multiple myeloma	Human	中山醫學大學醫學系病理學科暨附設醫院病理科
413	59	DEN plus AAF carcinogens induced hepatic tumor in male rats	Rat	中興大學獸醫病理生物學研究所
417	59	Alveolar soft part sarcoma	Human	高雄醫學大學附設中和紀念醫院病理科
418	60	Seminoma associated with supernumerary testicles	Human	羅東博愛醫院
422	61	Retinoblastoma in a baby girl	Human	彰化基督教醫院
423	61	Colloid goiter in a female Radiated tortoise ( <i>Astrochelys radiata</i> )	Tortoise	台灣大學獸醫專業學院分子暨比較病理生物學研究所
424	61	Lymphoepithelial carcinoma in a women	Human	羅東博愛醫院
425	61	Histiocytic sarcoma in a SJL/J mouse	mouse	國家實驗動物中心
428	62	Maligant lymphoma, diffuse large B-cell (DLBCL) in a women	Human	國軍桃園總醫院病理檢驗部
429	62	Immune reconstitution inflammatory syndrome (IRIS)-associated Kaposi's sarcoma in a man	Human	花蓮慈濟醫院
430	62	Mammary adenocarcinoma, tubular form in a female feline	Cat	中興大學獸醫病理生物學研究所

433	62	Rhabdomyosarcoma, retroperitoneal cavity in a female mouse	Mouse	國家實驗動物中心
434	62	Malignant pheochromocytoma with pleural metastasis in a man	Human	天主教聖馬爾定醫院病理科
436	63	Primary non-Hodgkins lymphoma of terminal ileum	Human	國軍桃園總醫院病理檢驗部
438	63	Ectopic thyroid gland tumor	Beagle	台灣大學獸醫專業學院分子暨比較病理生物學研究所
440	63	Hepatocellular cell carcinoma Squamous cell carcinoma	Human	天主教聖馬爾定醫院口腔顎面外科
442	64	Large B cell lymphoma in a man	Human	羅東博愛醫院
444	64	Olfactory neuroblastoma in a female cat	Cat	台灣大學獸醫專業學院分子暨比較病理生物學研究所
445	64	Oligodendroglioma in a man	Human	國軍桃園總醫院病理檢驗部
447	64	Ameloblastoma of mandible in a man	Human	天主教聖馬爾定醫院口腔顎面外科
448	65	EBV associated extranodal NK / T-cell lymphoma, nasal type	Human	羅東博愛醫院
451	65	Mouse, subcutaneously mass – exocrine pancreatic adenocarcinoma, AsPC-1 cells, human origin, heterotopical model	Mouse	國家實驗動物中心
452	65	1. Extranodal NK/T-cell lymphoma, nasal type 2. 2. Regional lymph nodes and omentum are involved.	Human	台中醫院
457	66	Metastatic squamous cell carcinoma (SCC)	Horse	台灣大學獸醫專業學院分子暨比較病理生物學研究所
459	66	Squamous intraepithelial lesion (SIL)	Human	高雄醫學大學附設醫院病理部
460	66	Subcutaneous liposarcoma and uterine endometrial stromal sarcoma	African hedgehog	中興大學獸醫病理生物學研究所

463	67	Splenic undifferentiated pleomorphic sarcoma in a Djungarian hamster	Hamster	國立中興大學獸醫教學醫院鳥禽與野生動物科
465	67	Plasmacytoid urothelial carcinoma	Dog	國立台灣大學獸醫專業學院分子暨比較病理生物學研究所
467	67	1.Poorly differentiated hemangiosarcoma in face 2.Squamous cell carcinoma in ear	Civet	農委會特有生物研究保育中心
473	68	Simple mammary gland adenocarcinoma	Guinea pig	中興大學獸醫病理生物學研究所
476	69	Mediastinum dedifferentiated liposarcoma	Human	羅東博愛醫院
477	69	Uterus adenosarcoma	Hedgehog	中興大學獸醫病理生物學研究所
478	69	Primary pericardial mesothelioma in a woman	Human	佛教慈濟綜合醫院暨慈濟大學病理科
479	69	Pulmonary solid adenocarcinoma	Dog	國立台灣大學獸醫專業學院分子暨比較病理生物學研究所
481	70	Paraganglioma of liver	Human	佛教慈濟綜合醫院暨慈濟大學病理科
482	70	Adenocarcinoma, transmural, recurrent, with desmoplasia and metastasis to regional lymph node, jejunum and ileocecal junction Mast cell tumor, moderately-differentiated, multiple, jejunal and ileocecal masses	Cat	國立台灣大學獸醫專業學院分子暨比較病理生物學研究所
483	70	Solitary fibrous tumor of pelvis	Human	羅東博愛醫院病理科
484	70	Chronic lymphocytic leukemia, with systemic dissemination, bone marrow, intestine, generalized lymph node, spleen, liver, kidney and lung	Dog	國立台灣大學獸醫專業學院分子暨比較病理生物學研究所
485	70	Intestine, large, colon, ascending, -- - Carcinoma, poorly differentiated (pT4aN1b). (ADVANCED) 2. Stomach, distal, --- Adenocarcinoma, moderately	Human	秀傳醫療社團法人秀傳紀念醫院

		differentiated (pT1bNO) (EARLY) (Synchronous cancer)		
487	70	Angiomyolipoma of the liver	Human	衛生福利部臺中醫院病理科
490	71	Xp11.2 translocation renal cell carcinoma	Human	羅東博愛醫院病理科
491	71	Anaplastic renal cell carcinoma	Djungarian hamster	國立中興大學獸醫病理生物學研究所
493	71	Mucin-producing urothelial-type adenocarcinoma of the prostate (MPUAP)	Human	天主教耕莘醫療財團法人耕莘醫院
494	71	Left paratesticular dedifferentiated liposarcoma with leiomyomatous differentiation.	Human	天主教耕莘醫療財團法人耕莘醫院
495	71	Renal nephroblastoma, blastema-predominant with metastasis to gingiva, renal mass	Dog	國立台灣大學獸醫專業學院分子暨比較病理生物學研究所
496	71	Testis, left: Malignant mixed germ cell–sex cord stromal tumor (spermatocytic germinoma and Sertoli cell tumor), with angiolymphatic invasion. Testis, right: Germ cell atrophy, multifocal, moderate.	Dog	長青動物醫院
499	72	Brain, frontal lobe, Lt., Malignant melanoma, consistent with metastatic cutaneous malignant melanoma.	Human	國軍桃園總醫院
501	72	Anaplastic carcinoma thyroid (spindle cell type)	Human	天主教耕莘醫院
502	72	Primitive neuroectodermal tumor (PNET), most likely originating from ureter, with metastasis to liver and involvements of urinary bladder, uterus and left adrenal gland	Formosan serow	臺灣大學獸醫學系
503	72	Metastatic follicular carcinoma	Human	衛生福利部台中醫院
506	73	Type B1 thymoma	Human	天主教耕莘醫院
508	73	Metastatic melanoma	Human	秀傳醫療社團法人秀傳紀念醫院
511	74	Crystal storing histiocytosis associated with multiple myeloma.	Human	羅東博愛醫院病理科

512	74	Myeloid sarcoma	Human	佛教慈濟綜合醫院暨慈濟大學病理科
513	74	Neurolymphomatosis (neurotropic lymphoma), B cell, right musculocutaneous nerve	Cat	國立台灣大學獸醫專業學院分子暨比較病理生物學研究所
514	74	Primary diffuse large B-cell lymphoma (activated B- cell type) of right testis, Stage IE at least	Human	國防醫學院三軍總醫院病理部
515	74	Thymoma, most likely, mediastinal mass	Dolphin	國立台灣大學獸醫專業學院分子暨比較病理生物學研究所
516	74	Extranodal marginal zone lymphoma of mucosa- associated lymphoid tissue (MALT lymphoma)	Human	秀傳醫療社團法人秀傳紀念醫院
517	74	Angioliposarcoma in a Cockatiel	Dog	國立中興大學獸醫病理生物學研究所
520	74	Intravascular diffuse large B cell lymphoma.	Human	國防醫學院三軍總醫院病理部
521	75	Primary anorectal malignant melanoma (PAMM)	Human	國軍桃園總醫院
523	75	Pancreatic panniculitis associated with acinar cell carcinoma	Human	羅東博愛醫院
524	75	Anaplastic large cell lymphoma (ALCL), ALK-negative	Human	秀傳醫療社團法人秀傳紀念醫院
525	75	Canine cutaneous epitheliotropic T-cell lymphoma with the involvement of left axillary lymph node	Dog	國立台灣大學獸醫專業學院分子暨比較病理生物學研究所
528	75	Basal cell carcinoma with sebaceous differentiation	Human	天主教耕莘醫院
529	76	Tongue, Schwannoma	Human	國軍桃園總醫院
530	76	Amyloid-producing odontogenic tumor	Dog	國立台灣大學獸醫專業學院分子暨比較病理生物學研究所
531	76	Embryonal rhabdomyosarcoma	Human	花蓮慈濟大學暨慈濟醫院病理科
532	76	Adenocarcinoma, suspected mammary gland tumor metastasis, mass from iris and partially ciliary bodies of right eye	Cat	國立台灣大學獸醫專業學院分子暨比較病理生物學研究所

533	76	Kaposi's sarcoma, parotid gland.	Human	羅東博愛醫院病理科
537	77	Primary appendiceal mantle cell lymphoma (MCL), B-cell type, caused acute suppurate appendicitis.	Human	國軍桃園總醫院
538	77	Follicular lymphoma in thyroid of nodular goiter.	Human	羅東博愛醫院
544	78	Ectopic parathyroid adenoma, anterior mediastinum.	Human	羅東博愛醫院
547	79	Glucagonoma, pancreas	Human	羅東博愛醫院
548	79	Neuroendocrine carcinoma, skin	Cat	國立台灣大學獸醫專業學院分子暨比較病理生物學研究所
549	79	Paraganglioma of urinary bladder	Human	花蓮慈濟大學暨慈濟醫院病理科
550	79	Hepatic carcinoid (Neuroendocrine carcinoma), liver	Cat	霍普獸醫病理診斷中心
551	79	Strumal carcinoid tumor of the ovary (SCTO) arising from mature cystic teratoma	Human	國軍桃園總醫院
552	79	Pheochromocytoma and Associated Cardiomyopathy	Meerkat ( <i>Suricata suricatta</i> )	國立中興大學獸醫病理生物學研究所
553	79	Adrenal, left, laparoscopic adrenalectomy --- Pheochromocytoma, malignant. Staging (pT2)	Human	天主教耕莘醫院
554	80	Carcinoma, sweat gland, with metastases to the lung and cerebrum, the left forelimb 3 <sup>rd</sup> and 4 <sup>th</sup> digits, skin	North American cougar ( <i>Puma concolor cougar</i> )	國立台灣大學獸醫專業學院分子暨比較病理生物學研究所
555	80	Angiosarcoma, scalp	Human	羅東博愛醫院
559	80	Sebaceous adenoma	Human	天主教耕莘醫院
560	81	Glioblastoma	Human	天主教耕莘醫院
561	81	Transmissible venereal tumor (TVT)	Dog	霍普獸醫病理診斷中心
562	81	Metastatic small cell carcinoma. Right axillary lymph node.	Human	羅東博愛醫院
563	81	Presumptive chronic myelomonocytic leukemia	Central bearded dragon	國立中興大學獸醫病理生物學研究所



			<i>(Pogona vitticeps)</i>	
564	82	Epithelioid gastrointestinal stromal tumor (GIST)	Human	羅東博愛醫院
566	82	Intestine, small bowel, segmental resection,---Primitive neuroectodermal tumor(PNET) / Extraskeletal Ewing sarcoma Lung, needle biopsy,Small blue cell tumor, compatible with primitive neuroectodermal tumor (PNET) metastasis	Human	衛生福利部台中醫院病理科
567	82	Gastric carcinoma, whit lymphatic infiltration, stomach, dog Lymph node metastasis from gastric carcinoma, dog	Dog	國立台灣大學獸醫專業學院分子暨比較病理生物學研究所
568	82	Descending colon, adenocarcinoma, grade 2; C/W FAP syndrome associated advanced CRC.	Human	國軍桃園總醫院
569	83	Gastric Schwannoma	Human	羅東博愛醫院
571	83	Feline inductive odontogenic tumor (FIOT), cat	Cat	霍普獸醫病理診斷中心
573	83	Multiple primary malignant (MPM) (Synchronous / metachronous? or metastatic) non-Hodgkin lymphomas (DLBCLs) of the jejunum with JJ intussusception with mesenteric lymph nodal and pleural involvement.	Human	國軍桃園總醫院
574	84	Testicular carcinoid	Human	羅東博愛醫院
577	84	Testis, Lt., Primary diffuse large B-cell lymphoma (DLBCL) / Primary testicular (DLBCL)-PT-DLBCL	Human	國軍桃園總醫院
579	85	Mixed germ cell tumor (seminoma and mature teratoma)	Human	三軍總醫院
580	85	Renal cell carcinoma	Dog	國立台灣大學獸醫專業學院分子暨比較病理生物學研究所
581	85	Leiomyoma with ovarian sex cord-like elements	Human	羅東博愛醫院
582	85	Endometrial stromal sarcoma and endometrial polyp, uterus	Hedgehog	霍普獸醫病理診斷中心
583	85	Uterine papillary serous carcinoma, metastatic	Human	國軍桃園總醫院

585	86	T-cell rich large B-cell lymphoma (TCRLBCL)	Cat	國立台灣大學獸醫專業學院分子暨比較病理生物學研究所
586	86	Epithelioid sarcoma, right hand.	Human	羅東博愛醫院
587	86	Precursor T-cell lymphoblastic lymphoma (Pre-T LBL, thymic lymphoma)	Mouse	國立中興大學獸醫病理生物學研究所
588	86	Soft tissue, right hypochondriac (flank), excision: Hepatocellular cell carcinoma (HCC), metastatic.	Human	國軍桃園總醫院
590	87	Glandular cardiac myxoma, heart.	Human	羅東博愛醫院
594	88	Malignant pleural mesothelioma	Human	國軍桃園總醫院
597	88	Bronchial carcinoma	Dog	國立台灣大學獸醫專業學院分子暨比較病理生物學研究所
598	89	Warthin-like mucoepidermoid carcinom	Human	羅東博愛醫院
599	89	Gastric carcinoma	Dog	長青動物醫院
600	89	Primary appendiceal signet-ring cell carcinoma	Human	國軍桃園總醫院

## 細菌

病例編號	會議場次	診 斷	動物別	提供單位
	1	Tuberculosis	Monkey	臺灣大學獸醫學系
7.	1	Tuberculosis	Human	省立新竹醫院
12.	2	H. pylori-induced gastritis	Human	台北病理中心
13.	2	Pseudomembranous colitis	Human	省立新竹醫院
26.	3	Swine salmonellosis	Pig	中興大學獸醫學系
27.	3	Vegetative valvular endocarditis	Pig	台灣養豬科學研究所
28.	4	Nocardiosis	Human	台灣省立新竹醫院
29.	4	Nocardiosis	Largemouth bass	屏東縣家畜疾病防治所
32.	4	Actinomycosis	Human	台灣省立豐原醫院
33.	4	Tuberculosis	Human	苗栗頭份為恭紀念醫院
53.	7	Intracavitary aspergilloma and cavitory tuberculosis, lung.	Human	羅東聖母醫院
54.	7	Fibrocalcified pulmonary TB, left Apex.	Human	林口長庚紀念醫院

		Mixed actinomycosis and aspergillosis lung infection with abscess DM, NIDDM.		
58.	7	Tuberculous enteritis with perforation	Human	佛教慈濟綜合醫院
61.	8	Spirochetosis	Goose	國立嘉義農專獸醫科
63.	8	Proliferative enteritis ( <i>Lawsonia intracellularis</i> infection)	Porcine	屏東縣家畜疾病防治所
68.	9	Liver abscess ( <i>Klebsillae pneumoniae</i> )	Human	台北醫學院
	10	Xanthogranulomatous inflammation with nephrolithiasis, kidney, right. Ureteral stone, right.	Human	羅東聖母醫院
	10	Emphysematous pyelonephritis	Human	彰化基督教醫院
89.	10	Severe visceral gout due to kidney damaged Infectious serositis	Goose	中興大學獸醫學系
	13	Listeric encephalitis	Lamb	屏東縣家畜疾病防治所
	13	Tuberculous meningitis	Human	羅東聖母醫院
	16	Swine salmonellosis with meningitis	Swine	中興大學獸醫學系
	16	Meningoencephalitis, fibrinopurulent and lymphocytic, diffuse, subacute, moderate, cerebrum, cerebellum and brain stem, caused by <i>Streptococcus</i> spp. infection	Swine	國家實驗動物繁殖及研究中心
	17	Coliform septicemia of newborn calf	Calf	屏東縣家畜疾病防治所
	20	Porcine polyserositis and arthritis (Glasser's disease)	Pig	中興大學獸醫學院
	20	Mycotic aneurysm of jejunal artery secondary to infective endocarditis	Human	慈濟醫院病理科
	21	Chronic nephritis caused by <i>Leptospira</i> spp	Pig	中興大學獸醫學院
	21	Ureteropyelitis and cystitis	Pig	中國化學製藥公司
	36	Pulmonary actinomycosis.	Human	耕莘醫院病理科
	37	Tuberculous peritonitis	Human	彰化基督教醫院病理科
	38	Septicemic salmonellosis	Piglet	屏東科技大學獸醫系

	38	Leptospirosis	Human	慈濟醫院病理科
	39	Mycobacteriosis	Soft turtles	屏東科技大學獸醫系
	42	Staphylococcus spp. infection	Formosa Macaque	中興大學獸醫病理學研究所
	42	Leptospirosis	Dog	台灣大學獸醫學系
	43	Leptospirosis	Human	花蓮慈濟醫院
	43	Cryptococcus and Tuberculosis	Human	彰濱秀傳紀念醫院
319	46	Placentitis, Coxiella burnetii	Goat	台灣動物科技研究所
321	46	Pneumonia, Burkholderia pseudomallei	Goat	屏東縣家畜疾病防治所
339	48	Mycoplasmosis	Rat	國家實驗動物中心
352	50	Chromobacterium violaceum Septicemia	Gibbon	Bogor Agricultural University, Indonesia
353	50	Salmonellosis	Pig	國立中興大學 獸醫學院
367	52	Melioidosis (Burkholderia pseudomallei), lung	Human	花蓮慈濟醫院
370	52	Suppurative bronchopneumonia (Bordetellae trematum) with Trichosomoides crassicauda infestation	Rat	國立中興大學獸醫學院
374	53	Pulmonary coccidiomycosis	Human	彰化基督教醫院
375	53	Paratuberculosis in Macaca cyclopis	Macaca cyclopis	國立屏東科技大學獸醫學院
379	53	Bovine Johne's disease (BJD) or paratuberculosis of cattle	Dairy cow	屏東縣家畜疾病防治所
380	53	NTB, Mycobacterium abscessus	Human	佛教慈濟綜合醫院暨慈濟大學病理科
382	54	Leptospirosis	Pig	國立屏東科技大學獸醫學院
384	54	Neisseria Infected Pneumonitis	Cat	中興大學獸醫學系
385	54	Mycobacteria avian complex dacryocystitis	Human	花蓮佛教慈濟綜合醫院
387	54	Swine Erysipelas	Pig	屏東縣家畜疾病防治所
396	56	Suppurative meningitis caused by Streptococcus spp in pigs	Pig	國立中興大學獸醫病理生物學研究所
399	56	Listeric encephalitis in dairy goats	Goat	屏東縣家畜疾病防治所
435	63	Tuberculosis	Human	花蓮佛教慈濟綜合醫院
438	63	Porcine proliferative enteritis (PPE)	Pig	國立中興大學獸醫病理生物學研究所

446	64	Actinomycosis (lumpy jaw) in a dairy cattle	Cattle	國立中興大學獸醫病理生物學研究所
450	65	Mycobacterium avium infection	Human	花蓮佛教慈濟綜合醫院
464	67	Ulcerative actinomycotic squamous plaque with focal (basal) severe dysplasia, mucosa, gingivobuccal junction, right lower gingiva in a man	Human	嘉義聖馬爾定醫院
469	68	Scrub typhus	Human	佛教慈濟綜合醫院暨慈濟大學
489	71	Malakoplakia due to Escherichia coli infection, left testis	Human	佛教慈濟綜合醫院暨慈濟大學
492	71	Cystitis, bilateral ureteritis and pyelonephritis, hemorrhagic, necrotic, purulent, severe, diffuse, chronic progressive, urinary bladder, ureters and kidneys	Dog	國立中興大學獸醫病理生物學研究所
522	75	Secondary syphilis	Human	佛教慈濟綜合醫院暨慈濟大學
526	75	Dermatophilosis caused by <i>Austwickia chelonae</i> (basonym <i>Dermatophilus chelonae</i> ) in a free-ranging wild Taiwanese japalure	Taiwanese japalure	台灣大學獸醫學系
584	85	<i>Salmonella</i> Enteritidis Infection in Chicks	Chicks	國立中興大學獸醫病理生物學研究所

## 病毒

病例編號	會議場次	診 斷	動物別	提供單位
21.	3	Newcastle disease	Chicken	台灣大學獸醫學系
22.	3	Herpesvirus infection	Goldfish	台灣大學獸醫學系
30.	4	Demyelinating canine distemper encephalitis	Dog	台灣養豬科學研究所
31.	4	Adenovirus infection	Malayan sun bears	台灣大學獸醫學系
50.	7	Porcine cytomegalovirus infection	Piglet	台灣省家畜衛生試驗所
55.	7	Infectious laryngo-tracheitis (Herpesvirus infection)	Broilers	國立屏東技術學院獸醫學系
69.	9	Pseudorabies (Herpesvirus infection)	Pig	台灣養豬科學研究所

78.	10	Marek's disease in native chicken	Chicken	屏東縣家畜疾病防治所
92.	11	Foot- and- mouth disease (FMD)	Pig	屏東縣家畜疾病防治所
101.	11	Swine pox	Pig	屏東科技大學獸醫學系
	13	Pseudorabies	Piglet	國立屏東科技大學
	13	Avian encephalomyelitis	Chicken	國立中興大學
	15	Contagious pustular dermatitis	Goat	屏東縣&台東縣家畜疾病防治所
	15	Fowl pox and Marek's disease	Chicken	中興大學獸醫學系
	16	Japanese encephalitis	Human	花蓮佛教慈濟綜合醫院
	17	Viral encephalitis, polyomavirus infection	Lory	美國紐約動物醫學中心
	17	1. Aspergillus spp. encephalitis and myocarditis 2. Demyelinating canine distemper encephalitis	Dog	台灣大學獸醫學系
	19	Enterovirus 71 infection	Human	彰化基督教醫院
	19	Ebola virus infection	African Green monkey	行政院國家科學委員會實驗動物中心
	19	Rabies	Longhorn Steer	台灣大學獸醫學系
	20	Parvoviral myocarditis	Goose	屏東科技大學獸醫學系
	28	SARS	Human	台大醫院病理科
	28	TGE virus	swine	臺灣動物科技研究所
	28	Feline infectious peritonitis(FIP)	Feline	台灣大學獸醫學系
	30	Chicken Infectious Anemia (CIA)	Layer	屏東防治所
219	31	1. Lymph node:Lymphdenitis, with lymphocytic depletion and intrahistiocytic basophilic cytoplasmic inclusion bodies. Etiology consistent with Porcine Circovirus (PCV)infection. 2. Lung: Bronchointerstitial pneumonia, moderate, lymphoplasmacytic, subacute.	Pig	臺灣動物科技研究所
220	31	Cytomegalovirus colitis	Human	彰化基督教醫院病理科
221	31	Canine distemper virus Canine adenovirus type II co-infection	Canine	國家實驗動物繁殖及研究中心
223	32	1. Skin, mucocutaneous junction (lip): Cheilitis, subacute,	Goat	台灣動物科技研究所

		diffuse, sever, with epidermal pustules, ballooning degeneration, proliferation, and eosinophilic intracytoplasmic inclusion bodies, Saanen goat. 2. Haired skin: Dermatitis, proliferative, lymphoplasmacytic, subacute, diffuse, sever, with marked epidermal pustules, ballooning degeneration, acanthosis, hyperkeratosis, and eosinophilic intracytoplasmic inclusion bodies.		
238	35	Hydranencephaly	Cattle	國立屏東科技大學獸醫學系
248	36	Porcine Cytomegalovirus (PCMV) infection	Swine	國立屏東科技大學獸醫學系
250	36	Porcine respiratory disease complex (PRDC) and polyserositis, caused by co-infection with pseudorabies (PR) virus, porcine circovirus type 2 (PCV 2), porcine reproductive and respiratory syndrome (PRRS) virus and Salmonella typhimurium.	Swine	屏東縣家畜疾病防所
255	37	Vaccine-induced canine distemper	gray foxes	國立台灣大學獸醫學系
265	39	Bronchointerstitial pneumonia (PCV II infection)	Swine	台灣大學獸醫學系
295	42	Feline infectious peritonitis (FIP)	Cat	中興大學獸醫病理所
362	51	Canine distemper virus infection combined pulmonary dirofilariasis	Dog	國家實驗研究院
381	54	Polyomavirus infection of urinary tract	Human	羅東博愛醫院
405	57	Porcine circovirus-associated lymphadenitis	Swine	國立屏東科技大學獸醫教學醫院病理科
414	59	Rabies virus infection	Human	佛教慈濟綜合醫院暨慈濟大學病理科
415	59	Canine distemper virus infection	Dog	台灣大學獸醫專業學院

				分子暨比較病理生物學研究所
420	60	Respiratory syncytial virus infection	Human	佛教慈濟綜合醫院暨慈濟大學病理科
421	60	Porcine epidemic diarrhea (PED)	Piglet	國立中興大學獸醫病理生物學研究所
455	66	Goose Haemorrhagic Polyomaviruses (GHPV)	Goose	農委會家畜衛生試驗所
456	66	HPV associated small cell neuroendocrine carcinoma of uterine cervix	Human	羅東博愛醫院病理科
458	66	Roventricular dilatation disease (PDD)	Cacatuini	國立中興大學獸醫病理生物學研究所
468	68	Avian poxvirus	Eagle	國立中興大學獸醫病理生物學研究所
472	68	Suspected viral infection with secondary aspergillosis	Parrot	國立中興大學獸醫病理生物學研究所
510	73	Porcine reproductive and respiratory syndrome (PRRS)	pig	國立中興大學獸醫病理生物學研究所
542	78	Feline infectious peritonitis (FIP)	Cat	國立台灣大學獸醫專業學院分子暨比較病理生物學研究所
543	78	Porcine epidemic diarrhea (PED)	Pig	國立中興大學獸醫系
556	80	Cutaneous pigeonpox	Pigeon	國立中興大學獸醫系
596	88	Porcine respiratory disease complex	Pig	國立中興大學獸醫系
602	89	Bovine viral diarrhea-mucosal disease	Cattle	國立中興大學獸醫系

### 黴菌（含藻類）

病例編號	會議場次	診 斷	動物別	提供單位
23.	3	Chromomycosis	Human	台北病理中心
47.	7	Lung: metastatic carcinoma associated with cryptococcal infection. Liver: metastatic carcinoma. Adrenal gland, right: carcinoma (primary)	Human	三軍總醫院



48.	7	Adiaspiromycosis	Wild rodents	台灣大學獸醫學系
52.	7	Aspergillosis	Goslings	屏東縣家畜疾病防治所
53.	7	Intracavitary aspergilloma and cavitory tuberculosis, lung.	Human	羅東聖母醫院
54.	7	Fibrocalcified pulmonary TB, left Apex. Mixed actinomycosis and aspergillosis lung infection with abscess DM, NIDDM.	Human	林口長庚紀念醫院
105.	13	Mucormycosis Diabetes mellitus	Human	花蓮佛教慈濟綜合醫院
	15	Eumycotic mycetoma	Human	花蓮佛教慈濟綜合醫院
	17	1. Aspergillus spp. encephalitis and myocarditis 2. Demyelinating canine distemper encephalitis	Dog	台灣大學獸醫學系
	43	Systemic Candidiasis	Tortoise	中興大學獸醫學院
	45	Alfatoxicosis in dogs	Canine	國立臺灣大學 獸醫專業學院
322	46	Allergic fungal sinusitis	Human	羅東博愛醫院
326	46	Meningoencephalitis, Aspergillus flavus	Cat	國立臺灣大學 獸醫專業學院
331	47	Histoplasmosis	Human	花蓮慈濟醫院病理科
332	47	Pulmonary Blastomycosis	Rat	中興大學獸醫學院
355	50	Encephalitozoonosis	Rabbit	國立中興大學獸醫學院
356	50	Eosinophilic granuloma with fungal infection, Skin	Cat	國立臺灣大學獸醫專業學院
386	54	Dermatophytic pseudomycetoma	Cat	台灣動物科技研究所
395	56	Systemic Cryptococcus neoformans infection in a Golden Retriever	Dog	國立台灣大學分子暨比較病理生物學研究所
441	63	Protothecosis	Dog	國家實驗動物繁殖及研究中心
449	65	Porcine epidemic diarrhea (PED)	Pig	國立台灣大學分子暨比較病理生物學研究所
519	75	Chicken infectious anemia in chicken	Chicken	國立中興大學獸醫學院
536	77	Skin infection of Orf virus	Human	佛教慈濟醫療財團法人 花蓮慈濟醫院
545	78	Candida endocarditis	Human	佛教慈濟醫療財團法人 花蓮慈濟醫院

570	83	Protothecosis	Dog	立眾生技有限公司
595	88	Cryptococcosis	Cat	霍普獸醫病理診斷中心

### 寄生蟲 (含原蟲)

病例編號	會議場次	診 斷	動物別	提供單位
14.	2	Dirofilariasis	Dog	台灣省家畜衛生試驗所
15.	2	Pulmonary dirofilariasis	Human	台北榮民總醫院
20.	3	Sparganosis	Human	台北榮民總醫院
46.	7	Feline dirofilariasis	Cat	美國紐約動物醫學中心
49.	7	Echinococcosis	Human	台北榮民總醫院
60.	8	Intestinal capillariasis	Human	台北馬偕醫院
64.	8	Adenocarcinoma of sigmoid colon Old schistosomiasis of rectum	Human	省立新竹醫院
66.	8	Echinococcosis	Chapman's zebra	台灣大學獸醫學系
67.	9	Hepatic ascariasis and cholelithiasis	Human	彰化基督教醫院
	13	Parasitic meningoencephalitis, caused by Toxocara canis larvae migration	Dog	臺灣養豬科學研究所
	17	Disseminated strongyloidiasis	Human	花蓮佛教慈濟綜合醫院
	17	Eosinophilic meningitis caused by Angiostrongylus cantonensis	Human	台北榮民總醫院 病理檢驗部
156	19	Parastrongylus cantonensis infection	Formosan gem-faced civet	中興大學獸醫學院
	19	Capillaria hepatica, Angiostrongylus cantonensis	Norway Rat	行政院農業委員會 農業藥物毒物試驗所
	29	Colnorchiasis	Human	高雄醫學院附設醫院
	29	Trichuriasis	Human	彰化基督教醫院
	29	Psoroptes cuniculi infection (Ear mite)	Rabbit	農業藥物毒物試驗所
	29	Pulmonary dirofilariasis	Human	和信治癌中心醫院
	29	Capillaries philippinesis	Human	和信治癌中心醫院
	29	Adenocarcinoma with schistosomiasis	Human	花蓮佛教慈濟綜合醫院
	41	Etiology-consistent with Spironucleus (Hexamita) muris	Rat	國家實驗動物繁殖及研究中心

327	46	Dermatitis, mange infestation	Serow	中興大學獸醫學院
328	46	Trichosomoides crassicauda, urinary bladder	Rat	國家實驗動物中心
362	51	Canine distemper virus infection combined pulmonary dirofilariasis	Dog	國家實驗研究院
370	52	Suppurative bronchopneumonia (Bordetellae trematum) with Trichosomoides crassicauda infestation	Rat	國立中興大學獸醫學院
416	59	Toxoplasmosis in a finless porpoise	Finless porpoise	國立屏東科技大學獸醫教學醫院病理科
	63	Liver milk spots in pig	Pig	中興大學獸醫病理生物學研究所
453	66	Liver fluke infection	Buffalo	中興大學獸醫病理生物學研究所
471	68	Haemosporidian parasite infection	pigeon	國立台灣大學分子暨比較病理生物學研究所
540	77	Systemic toxoplasmosis	Ring-tailed lemur	國立台灣大學分子暨比較病理生物學研究所
4.	1	Cryptosporidiosis	Goat	台灣養豬科學研究所
15.	2	Amoebiasis	Lemur fulvus	台灣養豬科學研究所
16.	2	Toxoplasmosis	Squirrel	台灣養豬科學研究所
17.	2	Toxoplasmosis	Pig	屏東技術學院 獸醫學系
51.	7	Pneumocystis carinii pneumonia	Human	台北病理中心
57.	8	Cecal coccidiosis	Chicken	中興大學獸醫學系
65.	8	Cryptosporidiosis	Carprine	台灣養豬科學研究所
211	30	Avian malaria, African black-footed penguin	Avian	臺灣動物科技研究所
242	35	Neosporosis	Cow	國立屏東科技大學 獸醫學系
263	38	Intestinal amebiasis	Human	彰化基督教醫院病理科
320	46	Cutaneous leishmaniasis	Human	佛教慈濟綜合醫院
325	46	Myocarditis/encephalitis, Toxoplasma gondii	Wallaby	國立臺灣大學獸醫專業學院
443	65	Brain toxoplasmosis in a man	Human	佛教慈濟綜合醫院病理科
462	67	Toxoplasmosis	Human	佛教慈濟綜合醫院病理科

470	68	Leucocytozoonosis	chickens	中興大學獸醫病理生物學研究所
572	83	Systemic Coccidiosis	ducks	中興大學獸醫病理生物學研究所

### 立克次體

病例編號	會議場次	診 斷	動物別	提供單位
229	32	Necrotizing inflammation due to scrub typhus	Human	佛教慈濟醫院病理科
251	36	Scrub typhus with diffuse alveolar damage in bilateral lungs.	Human	佛教慈濟醫院病理科

### 其他

病例編號	會議場次	診 斷	動物別	提供單位
216	30	Cytophagic histiocytic panniculitis with terminal hemophagocytic syndrome	Human	佛教慈濟綜合醫院病理科
359	51	Eosinophilic granuloma with fungal infection, Skin	Cat	國立臺灣大學獸醫專業學院
360	51	Septa panniculitis with lymphocytic vasculitis	Human	慈濟綜合醫院暨慈濟大學
9.	2	Perinephric pseudocyst	Cat	台灣大學獸醫學系
10.	2	Choledochocyst	Human	長庚紀念醫院
11.	2	Bile duct ligation	Rat	中興大學獸醫學系
37.	4	Myositis ossificans	Human	台北醫學院
75.	9	Acute yellow phosphorus intoxication	Rabbits	中興大學獸醫學系
76.	10	Polycystic kidney bilateral and renal failure	Cat	美國紐約動物醫學中心
80.	10	Glomerular sclerosis and hyalinosis, segmental, focal, chronic, moderate Benign hypertension	SHR rat	國防醫學院 & 國家實驗動物繁殖及研究中心
83.	10	Phagolysosome-overload nephropathy	SD rats	國家實驗動物繁殖及中心
85.	10	Renal amyloidosis	Dog	台灣養豬科學研究所

89.	10	Severe visceral gout due to kidney damaged infectious serositis	Goose	中興大學獸醫學系
91.	10	Hypervitaminosis D	Orange-rumped agoutis	台灣大學獸醫學系
	14	Cystic endometrical hyperplasia	Dog	臺灣養豬科學研究所
	14	Cystic subsurface epithelial structure (SES)	Dog	國科會實驗動物中心
	15	Superficial necrolytic dermatitis	Dog	美國紐約動物醫學中心
	15	Solitary congenital self-healing histiocytosis	Human	羅東博愛醫院
	15	Alopecia areata	Mouse	國家實驗動物繁殖及研究中心
	17	Avian encephalomalacia (Vitamin E deficiency)	Chicken	國立屏東科技大學獸醫學系
151	18	Osteodystrophia fibrosa	Goat	台灣養豬科學研究所&台東縣家畜疾病防治所
	20	Hypertrophic cardiomyopathy	Pig	台灣大學獸醫學系
	21	Chinese herb nephropathy	Human	三軍總醫院病理部及腎臟科
	21	Acute pancreatitis with rhabdomyolysis	Human	慈濟醫院病理科
	21	Malakoplakia	Human	彰化基督教醫院
	25	Darier's disease	Human	高雄醫學大學病理科
191	27	1. Polyarteritis nodosa 2. Hypertrophic Cardiomyopathy	Feline	台灣大學獸醫學系
193	27	Norepinephrin cardiotoxicity	Cat	台中榮總
196	27	Cardiomyopathy (Experimental)	Mice	綠色四季
212	30	Kikuchi disease (histiocytic necrotizing lymphadenitis)	Lymphadenitis	耕莘醫院病理科
225	32	Calcinosis circumscripta, soft tissue of the right thigh, dog	Dog	台灣大學獸醫所
230	34	Hemochromatosis, liver, bird	Bird	台灣大學獸醫學系
234	34	Congenital hyperplastic goiter	Holstein calves	屏東縣家畜疾病防治所
236	34	Hepatic lipidosis (fatty liver)	Rats	中興大學獸醫學病理學研究所
237	35	Arteriovenous malformation (AVM) of cerebrum	Human	耕莘醫院病理科
244	35	Organophosphate induced delayed neurotoxicity in hens	Hens	中興大學獸醫學病理學研究所

257	37	Severe lung fibrosis after chemotherapy in a child with Ataxia- Telangiectasia	Human	慈濟醫院病理科
294	42	Arteriovenous malformation of the left hindlimb	Dog	台灣大學獸醫學系
299	43	Polioencephalomalacia	Goat kid	屏東家畜疾病防治所
310	44	Hyperplastic goiter	Piglet	屏東家畜疾病防治所
311	44	Melamine and cyanuric acid contaminated pet food induced nephrotoxicity	Rat	中興大學獸醫學病理學研究所
318	45	Alfatoxicosis	Canine	國立臺灣大學獸醫專業學院
333	47	Lordosis, C6 to C11	Penguin	國立臺灣大學獸醫專業學院
341	49	Pulmonary placental transmogrification	Human	羅東博愛醫院
345	49	Acute carbofuran intoxication	Jacana	國立中興大學獸醫學院
350	50	Malakoplakia, liver	Human	慈濟綜合醫院暨慈濟大學
351	50	Eosinophilic granuloma, Right suboccipital epidural mass	Human	羅東博愛醫院病理科
359	51	Eosinophilic granuloma with fungal infection, Skin	Cat	國立臺灣大學獸醫專業學院
360	51	Septa panniculitis with lymphocytic vasculitis	Human	慈濟綜合醫院暨慈濟大學
361	51	Hepatotoxicity of SMA-AgNPs	Mouse	國立中興大學獸醫病理生物學研究所
363	51	Hypertrophy osteopathy	Cat	國立臺灣大學獸醫專業學院
372	52	Snake bite suspected, skin and spleen	Monkey (red guenon)	國立臺灣大學獸醫專業學院
383	54	Langerhans cell histiocytosis	Human	聖馬爾定醫院病理科
388	54	Canine protothecosis	Dog	國立臺灣大學獸醫專業學院
392	55	Lithium nephrotoxicity	Human	佛教慈濟綜合醫院暨慈濟大學病理科
398	56	Gamma-knife-radiosurgery-related demyelination	Human	佛教慈濟綜合醫院暨慈濟大學病理科

400	56	Canine Disseminated form Granulomatous Meningoencephalitis (GME)	Dog	國立屏東科技大學獸醫 教學醫院病理科
419	60	Mucopolysaccharidosis	Cat	國立中興大學獸醫病理 生物學研究所
426	61	Phleboliths in a man	Human	台北醫學大學附設醫院 口腔外科口腔病理科
427	61	Visceral gout in a Green iguana (Iguana iguana)	Iguana	中興大學獸醫病理生物 學研究所
431	62	pulmonary alveolar proteinosis in a man	Human	羅東博愛醫院病理科
432	62	Congenital pulmonary airways malformation, type 2 in a women	Human	高雄醫學大學附設醫院
437	63	Large solitary luteinized follicular cyst of pregnancy and puerperium	Human	羅東博愛醫院病理科
454	66	Eosinophilic granuloma	Human	佛教慈濟綜合醫院暨慈 濟大學病理科
461	67	Intestinal emphysema	Pig	中興大學獸醫病理生物 學研究所
466	67	Nodular goiter	Human	彰化秀傳醫院病理科
474	68	Parastrongyliasis (Previously called Angiostrongyliasis)	squirrel	中興大學獸醫病理生物 學研究所
475	69	Bronchogenic cyst	Dog	國立臺灣大學獸醫專業 學院
480	69	Toxic pneumonitis caused by inhalation of waterproofing spray	Dog	中興大學獸醫學病理學 研究所
486	70	IgG4-related sclerosing cholangitis (ISC)	Human	天主教耕莘醫療財團法 人耕莘醫院
488	70	Crohn's disease	Human	彰化基督教醫院病理部
Gross	64	Hydronephrosis	Pig	中興大學獸醫病理生物 學研究所
Gross	65	1. Traumatic pericarditis, severe, chronic progressive, diffuse, heart. 2. Hardware disease	Cattle	中興大學獸醫病理生物 學研究所
497	72	Combined central and peripheral demyelination (CCPD)	Dog	國立臺灣大學獸醫專業 學院
498	72	Inflammatory demyelinating pseudotumour	Human	佛教慈濟綜合醫院暨慈 濟大學病理科

500	72	Ischemic stroke in a dog	Dog	中興大學獸醫病理生物學研究所
504	73	Autoimmune pancreatitis (IgG4 related pancreatitis)	Human	羅東博愛醫院病理科
505	73	Thrombotic microangiopathy with hemorrhagic infarct of brain, acute myocardial ischemia and acute kidney injury	Human	佛教慈濟綜合醫院暨慈濟大學病理科
507	73	The most likely diagnosis is erythema multiforme (EM).	Dog	國立臺灣大學獸醫專業學院
509	73	Doxorubicin-induced diseases	Chicken	中興大學獸醫病理生物學研究所
518	74	Idiopathic multicentric Castleman disease with abundant IgG4-positive cells	Human	佛教慈濟綜合醫院暨慈濟大學病理科
527	75	Coryneform hyperkeratosis in NOG mice	Mice	中興大學獸醫病理生物學研究所
534	76	Multiple Cartilaginous Exostoses Causing Spinal Cord Compression in a Dog	Dog	中興大學獸醫病理生物學研究所
535	76	Chondrodysplasia, diffuse, severe, chronic, growth plate, femur.	Rat	中興大學獸醫病理生物學研究所
539	77	Epitheliotropic mastocytic conjunctivitis	Cat	臺灣動藥國際股份有限公司
541	77	Protothecosis	Dog	國立臺灣大學獸醫專業學院
546	78	Ascites syndrome in broilers	Avian	國立中興大學動物疾病診斷中心
557	80	Systemic lupus erythematosus with erythema multiforme-like lesions, human	Human	佛教慈濟綜合醫院暨慈濟大學病理科
558	80	Pododermatitis, left forelimb and right hindlimb foot pad	Cat	霍普獸醫病理診斷中心
565	82	Intestinal intramural hemorrhage/hematoma, small intestine	Dog	霍普獸醫病理診斷中心
575	84	Ovotestes, epididymis, and uterus, reproductive organs	Cat	霍普獸醫病理診斷中心
576	84	Oxalate nephropathy	Asian yellow pond turtle (柴棺龜)	國立中興大學獸醫病理生物學研究所



			Mauremys mutica)	
578	84	Yolk embolism	Savannah monitor	國立台灣大學獸醫專業學院分子暨比較病理生物學研究所
589	87	Portosystemic shunt	feline	霍普獸醫病理診斷中心
591	87	Fabry disease	human	三軍總醫院病理科
592	87	Atherosclerosis	mouse	財團法人國家實驗研究院國家實驗動物中心
593	88	Minute pulmonary meningotheelial-like nodules	human	羅東博愛醫院
601	89	Feline gastrointestinal eosinophilic sclerosing fibroplasia	Cat	立眾病理實驗室

## 會員資料更新服務

各位會員：

您好！如果您的會員資料有更新或誤刊情形，麻煩您填妥表格後寄回學會秘書處或電話連絡：

中華民國比較病理學會秘書處

張晏禎 助理教授

cscptaiwan@gmail.com

02-33663873

106 台北市羅斯福路四段一號 國立台灣大學 獸醫專業學院

-----中華民國比較病理學會-----

會員資料更改卡

姓 名：\_\_\_\_\_ 會員類別：一般會員

學生會員

贊助會員

最高學歷：\_\_\_\_\_

服務單位：\_\_\_\_\_ 職 稱：\_\_\_\_\_

永久地址：\_\_\_\_\_

通訊地址：\_\_\_\_\_

電 話：\_\_\_\_\_ 傳 真：\_\_\_\_\_

E-Mail Address：\_\_\_\_\_

中華民國比較病理學會

誠摯邀請您加入

## 入會辦法

### 一、 本會會員申請資格為：

(一) 一般會員：贊同本會宗旨，年滿二十歲，具有國內外大專院校（或同等學歷）生命科學及其它相關科系畢業資格或高職畢業從事生命科學相關工作滿兩年者。

(二) 學生會員：贊同本會宗旨，在國內、外大專院校生命科學或其他相關科系肄業者（請檢附學生身份證明）。

(三) 贊助會員：贊助本會工作之團體或個人。

(四) 榮譽會員：凡對比較病理學術或會務之推廣有特殊貢獻，經理事會提名並經會員大會通過者。

### 二、 會員：

(一) 入會費：一般會員新台幣壹仟元，學生會員壹佰元，贊助會員伍仟元，於入會時繳納。

(二) 常年會費：一般會員新台幣壹仟元，學生會員壹佰元。

**【註：學生會員身份變更為一般會員時，只需繳交一般會員之常年會費】**

三、入會費及常年會費繳交方式：以銀行轉帳或匯款（006 合作金庫銀行、帳號：0190-717-052017、戶名：中華民國比較病理學會）；並請填妥入會申請表連同銀行轉帳交易明細表或匯款單以郵寄或傳真方式寄回中華民國比較病理學會秘書處 張晏禎 老師收。地址：106 台北市羅斯福路四段一號 國立台灣大學 獸醫專業學院

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