

410 CSVP Contributor Diagnosis

Date: Mar 7, 2025

Time: 12 : 00~16 : 00

Place: VRI

本次會議組織病理切片資訊：<http://140.120.114.107/slidecenter.php?id=552>

切片名稱：Case 1. NTU25-65D

Case 1. CSVP 2025-3272 (NTU2025-0065, GIMCP, J.L. Ku and H.W. Chang)

Panther chameleon /kə'mi.li.ən/ (*Furcifer pardalis*) 變色蜥蜴, 4-year-old, male. The chameleon, an elderly individual, had recently shown decreased appetite and activity. After refusing food for two days, it was subsequently found dead. Necropsy revealed three lesions containing beige to amber material on the head, including the oral cavity.

Morphologic diagnosis :

Epidermoid cysts, with rupture and intralesional gram-positive and negative bacilli and mites, right head mass

Epidermoid cysts, with rupture and intralesional gram-positive and negative bacilli and fungi, mites, left head masses

Hepatitis, necrogranulomatous, multifocal, chronic-active, moderate, with intralesional bacterial colonies, proliferation of melanomacrophage centers, and lymphoplasmacytic serositis, liver

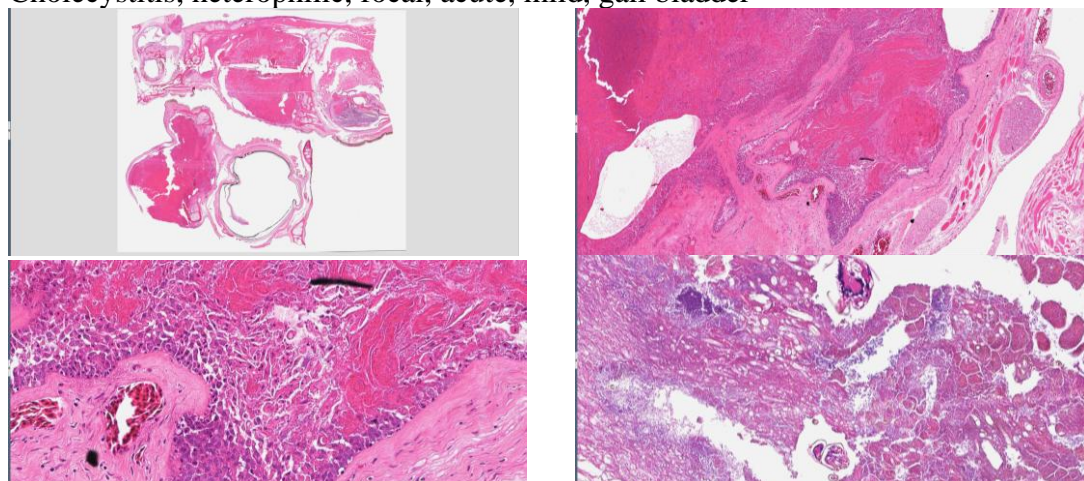
Splenitis, necrogranulomatous, multifocal, chronic-active, severe, spleen

Pneumonia, necrogranulomatous, locally extensive, chronic, severe, with intralesional gram-positive and negative bacilli, right lung

Nephritis, mixed populated, multifocal, chronic, mild to moderate, with mild interstitial fibrosis and glomerular sclerosis, kidney

Pericarditis, heterophilic and lymphocytic, focal, subacute, mild, heart

Cholecystitis, heterophilic, focal, acute, mild, gall bladder



Lab. examination:

Gram stain: (-)

Acid fast stain: (-)

Dx: Epidermoid cyst in a Panther Chameleon (*Furcifer pardalis*)

切片名稱：Case 2. BPV-2300

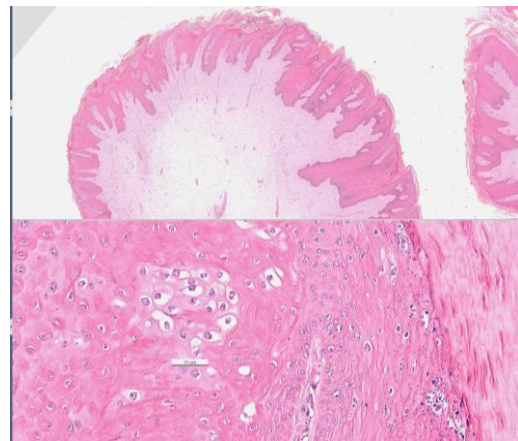
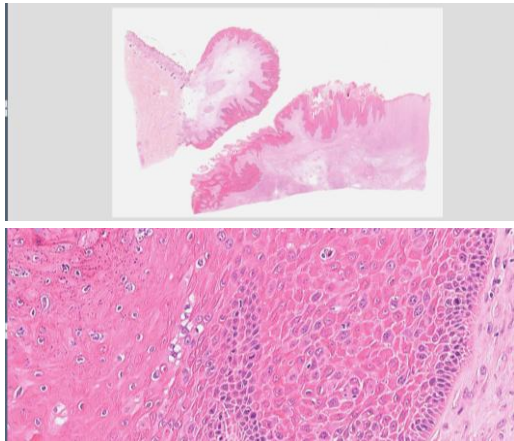
Case 2. CSVP 2025-3273 (BPV-2300, ADDC NCHU, G.S. Chen, H.Y. Chiou, Jacky P.W. Chan, and C.Y. Chang)

Holstein cattle, adult, pregnant. Multiple skin masses were found on the back, and one of them became bigger and bigger. The masses were excised for histopathological examination.

Morphologic diagnosis :

Skin: skin was characterized by epidermal hyperplasia, compact orthokeratotic hyperkeratosis, enlarged keratohyaline granules and several koilocytes (vacuolization), edema with an infiltrate of T lymphocytes. Intranuclear inclusion bodies were present in swollen or degenerating cells of the upper spinous and granular cell layer. In some cells of the upper spinous layer the normal eosinophilic cytoplasm of the cells is replaced by a gray-blue finely granular material (cytoplasmic basophilia, viral cytopathic effect)

Haired skin: Fibropapilloma



Lab. examination:

1. PCR: BPV1 (6/8); BPV: 2/8
2. IHC, ISH: epidermis (BPV1 +)

Dx: Identification of Bovine Papillomavirus Type I in Dairy Cattle in Taiwan

切片名稱：Case 3. CD24107-C1

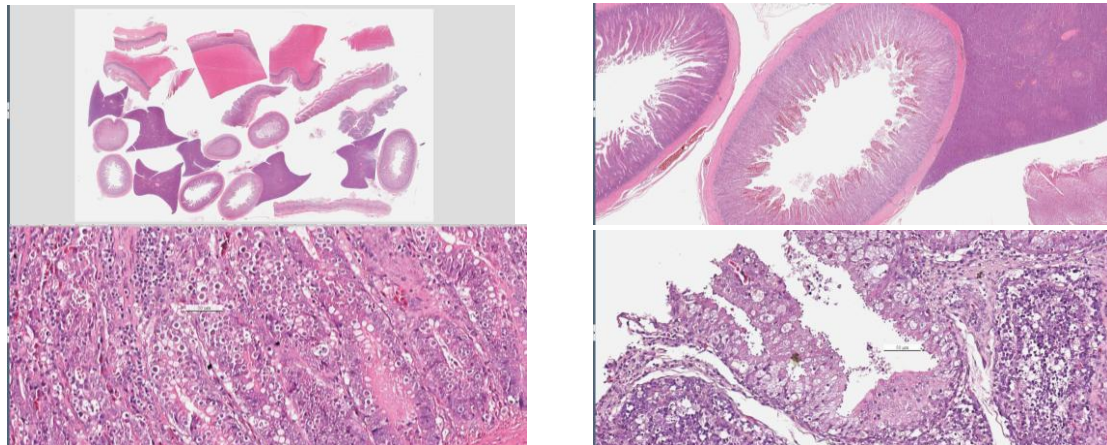
Case 3. CSVP 2025-3274 (CD24107, ADDC NCYU, Y.L. Yang, W.C. Kung, C.M. Wang, and D.Y. Lo)

Duckling, 20-day-old, showed clinical signs of bloody diarrhea for two days. The mortality was 2.6% (170/6,400).

Morphologic diagnosis :

Duodenum: Enteritis, segmental, necrotic, hemorrhage, severe, acute, with intralesional coccidian of macro gametocytes infection.

Bursa: Depletion, lymphocytic, diffuse, moderate, with cryptosporidium infection.



Lab. examination:

Coccidian sporulation: Oocyst size 10 – 12.3 × 9 – 10.8 μm

	<i>Eimeria</i>	<i>Tyzzeria perniciosa</i>	<i>Wenyonella philiplevinei</i>	<i>Isospora</i>
Sporocysts	4	0	4	2
Sporozoite	2	8	4	4
Oocyst size		10–12.3 × 9–10.8 μm	15.5–21 × 12.5–16 μm	

PCR: +

Dx: Tyzzeria spp. Coccidiosis in Mule Ducks

切片名稱：Case 4. WA113-364-1

Case 4. CSVP 2025-3275 (WA113-364, ADDC NPUST, C.E. Wu, Y.H. Hsieh, and Y.C. Li)

Reeves's muntjac (*Muntiacus reevesi*), female, adult, was found death in Oct. 27, 2024.

Morphologic diagnosis :

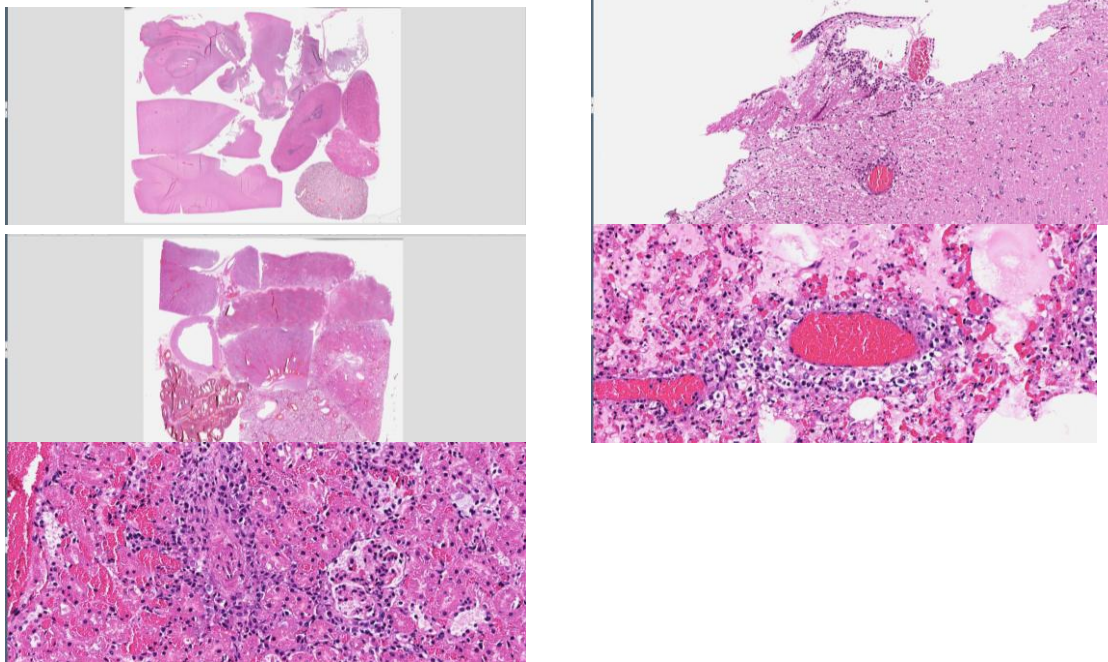
Vasculitis, moderate, subacute, multifocal, lymphocytic, heart, liver, lung

Meningoencephalitis, moderate, subacute, multifocal, lymphocytic, with perivascular cuffing, cerebrum and cerebellum

Myocarditis, moderate, chronic, multifocal, with multinuclear giant cells, heart

Hepatitis, moderate, subacute, multifocal, liver.

Nephritis, mild, subacute, multifocal, kidney



Lab. examination:

PCR: Ovine herpesvirus 2 (OvHV-2) (+)

Dx: Malignant catarrhal fever

切片名稱：Case 5. NTU24-169I

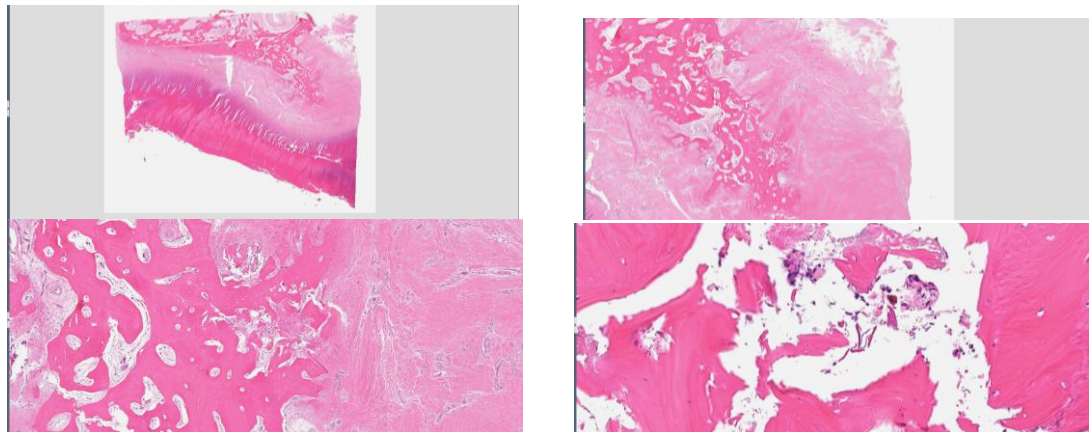
Case 5. CSVP 2025-3276 (NTU2024-0169, GIMCP NTU, C.Y. Tsai and W.H. Huang)

Barbary sheep (*Ammotragus lervia*), 20-year-old, male. With physical examination of the hooves and feet by X-ray, the veterinarian determined that the phalanges 趾骨 of the patient had already deformed and inflamed, and the condition might be difficult to improve or treat through hoof trimming in the future. After assessing the patient's welfare, it was humanely euthanized. The lateral hoof of the left anterior foot was submitted for microscopic examination.

Morphologic diagnosis :

Laminopathy (laminitis), diffuse, chronic, severe, with sole erosion and dermatitis, the lateral hoof of the left anterior foot

Bony remodeling and reabsorption, diffuse, chronic, severe, the pedal bone of the left anterior foot



Lab. examination:

Pathophysiology of laminitis (cattle):

Subclinical laminitis when calving, Less prominent inflammation,

Factors: Dietetic, Hormonal, Traumatic, Genetic

Dx: Chronic hoof diseases in a barbary sheep

切片名稱：Case 6. 2023-155-4

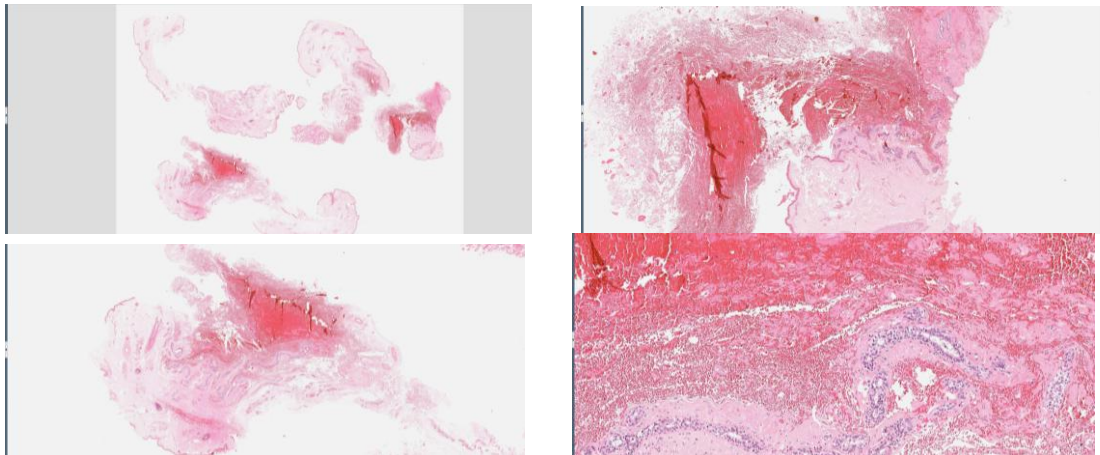
Case 6. CSV P 2025-3277 (2023-0155-4, ADDC, VRI & MOJ, Y.W. Chen, Y.C. Tu, S.C. Hu, F. Lee, C.H. Liu, and C.H. Pan)

Olive baboon (*Papio anubis*), adult, female. A baboon of unknown origin was captured in Taoyuan, showed bleeding, and died during transport to the rescue center

Morphologic diagnosis :

Skin of bullet entry : hemorrhage, epidermis, dermis and subcutaneous layer,
locally-extensive, acute, severe, with small number of yellow-brown
crystalline particles at marginal wound, compatible with gunpowder particles

Muscle layer of bullet entry : hemorrhage, myofiber degeneration and myolysis,
locally-extensive, acute, severe



Lab. examination:

X-ray: metal negative

PMCT: 5 and 6th ribs bone fracture

Virus: Negative

Rabies virus, Coronavirus, Carnivore protoparvovirus 1, CPPV-1, Canine distemper virus, Herpesvirus, Adenovirus, Influenza A virus,

Bact, parasites: Negative

Dx: Gunshot Injury in an Olive Baboon