

415 CSVP Contributor Diagnosis

Date: Mar 6, 2026

Time: 12 : 00~16 : 00

Place: VRI

專題演講(10:30~12:00) :

AI 與病理數位影像分析—Vibe Coding 技巧的應用實務 (立眾病理實驗室張皓凱
病理專科獸醫師)

本次會議組織病理切片資訊：<http://140.120.114.107/slidecenter.php?id=576>

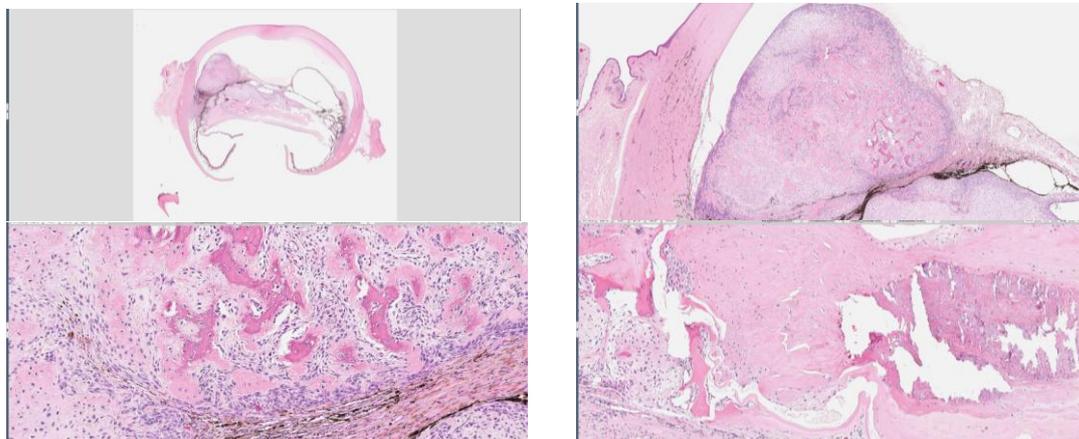
切片名稱：Case 1. NTU2024-1918A

Case 1. CSVP 2026-3302 (NTU2024-1918, NTU GIMCP, C.Y. Tsai, W.H. Huang,
Y.C. Chang, and H.W. Chang)

Feline, Munchkin, 6-year-old, male castrated. The patient was diagnosed with OD uveitis and FIP in April 2019. OD secondary cataract was noted in July 2019 and progressed to phthisis bulbi by October 2022. An OD iris mass was identified in September 2024; the lesion was unresponsive to steroids and continued to progress. Enucleation was performed in October 2024.

Morphological diagnosis:

Eye: Osteosarcoma, extraskeletal (intraocular), w/ uveal cysts and fibrovascular proliferation, lymphoplasmacytic uveitis, lens rupture, retinal degeneration and detachment, tapetum lucidum hyperplasia, the right eye
Feline ocular post-traumatic sarcoma (FOPTS)



Lab. examination :

Dx. : Intraocular osteosarcoma in a cat

切片名稱：Case 2. CW25-10003D

CSVP 2026-3303 (CW25-10003, ADDC & GIVP NCHU, M.S. Li, X.C. Lim, J.W. Liao, and H.Y. Chiou)

Crested serpent eagle (*Spilornis cheela*), adult, female, multifocal nodular lesions in various organs.

Morphological diagnosis:

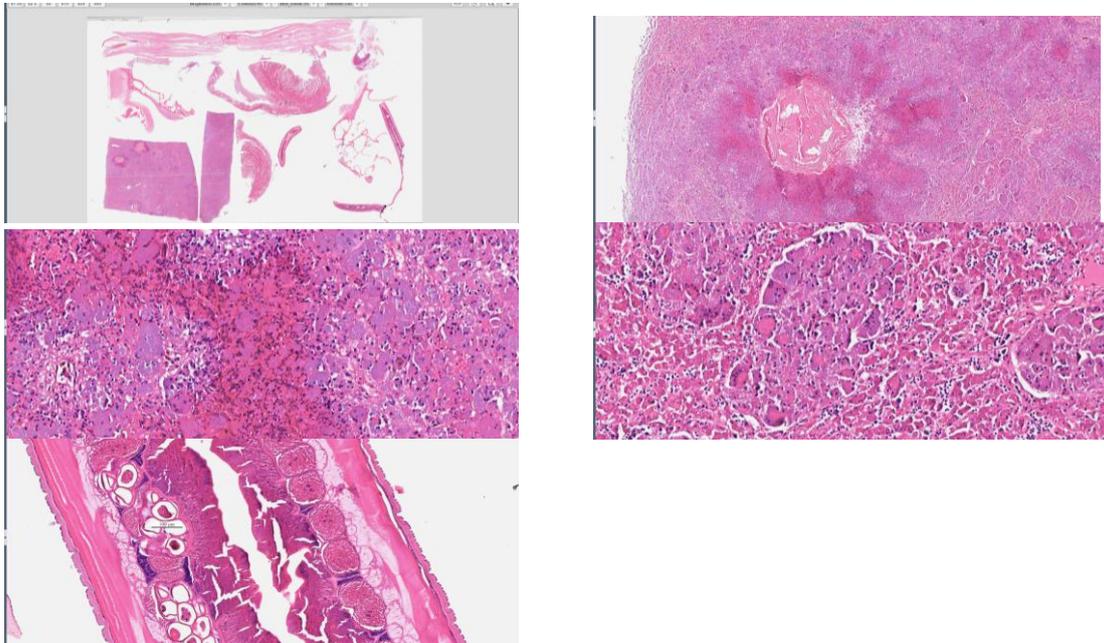
Necro-granuloma, multifocal to coalescing and diffuse, chronic, severe, with intralesional acid fast positive bacterial colonies, spleen, liver, lungs, pancreas, adrenal gland, kidney, air sac, intestine, bone marrow etc.

Pneumonia, liquefied necrosis, locally-extensive, chronic, massive, with intralesional fungal hyphae and calcium oxalate, lungs

Enteritis, multifocal, chronic, moderate, with intralesional *Ascaris* sp., jejunum, ileum

Necrosis, moderate, chronic, with *Sarcocystis* sp. infection and calcinosis, skeletal muscle

Tetrameres sp. infections, mild, chronic, with intralesional nematodes, proventriculus



Lab. examination :

Acid-fast bacilli stain : (+)

PCR : *Mycobacterium avium* (+) in the lungs, liver, heart tissues

Dx: Systemic mycobacteriosis in a crested serpent eagle

切片名稱：Case 3. CI25022

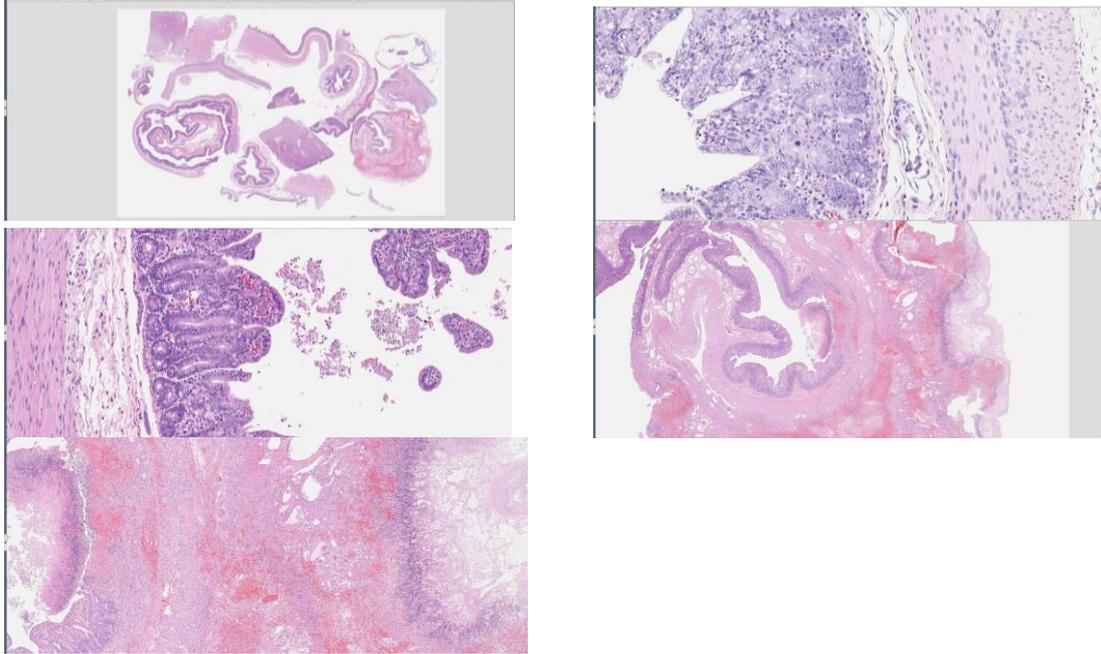
Case 3. CSVP 2026-3304 (CI25022, ADDC NCYU, J.K. Huang, H.C. Kuo, C.L. Chen, M.H. Chang, and D.Y. Lo)

Suckling piglets, 3-week-old, showed clinical signs of yellowish-white diarrhea and weight loss. One of them showed dysentery. The morbidity was approximately 20%, and the mortality was approximately 10-15%.

Morphological diagnosis:

Enteritis, Atrophic, Lymphocytic, Segmental, Chronic, Severe

Intussusception, Necrotizing, Hemorrhagic, Purulent, Segmental, Acute, Severe



Lab. examination :

Bact (intestine) : E. coli (+) ; ST1, LT1, VT, Eae: (-)

RT-PCR : RVA, RVC (-) ; PED (+)

Dx: Intussusception Associated with Porcine Epidemic Diarrhea in Suckling Piglets

切片名稱：Case 4. P114-145

Case 4. CSVP 2026-3305 (P114-145, ADDC NPUST, W.J. Lee, Y.H. Hsieh, Tsai, Y.C, Y.H Chen, M.C Cheng, and Y.C. Li)

Broiler, 32-week-old, showed clinical signs of depression and weakness. The average daily mortality rate was 0.25% (5/20,000).

Morphological diagnosis:

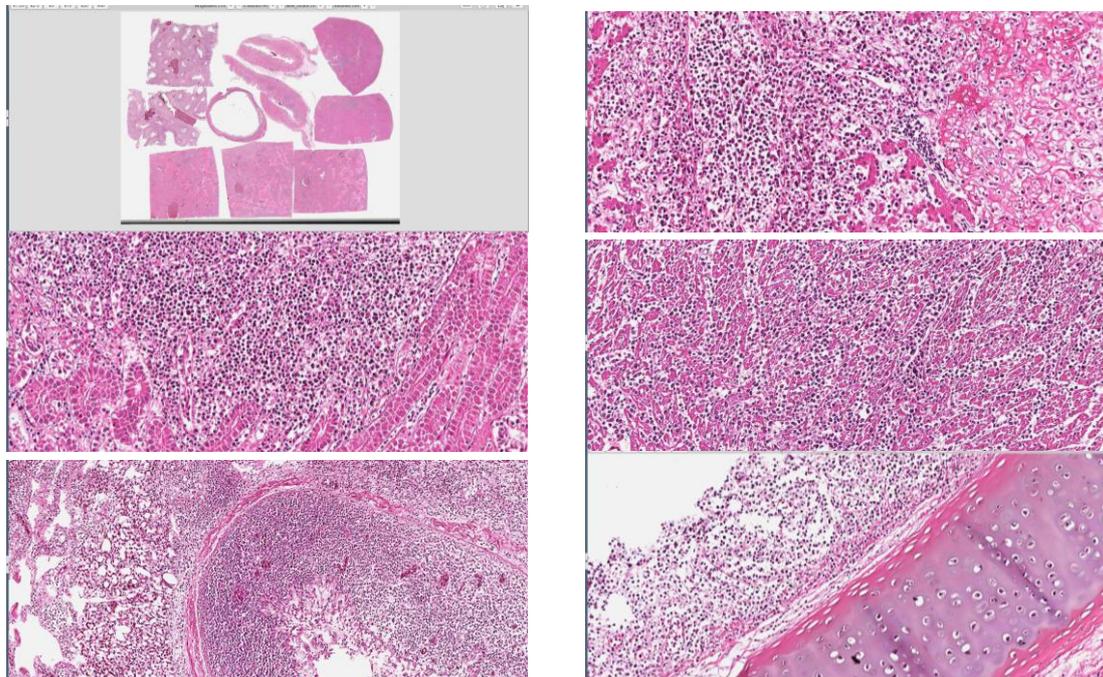
Lymphoma, lung, bone marrow, thymus, air sac, proventriculus, oviduct, comb

Lymphoma, with endocardial and epicardial multifocal hemorrhages, heart

Lymphoma, with multifocal necrosis, liver, spleen

Lymphoma, with axonal swelling, peripheral nerve

Meningoencephalitis, chronic, moderate, multifocal, with perivascular cuffing, cerebrum



Lab. examination :

Bact (yolk, air sac, heart, lung) : (-)

RT-PCR : Gallid alphaherpesvirus 2 (+) ; Avian leukosis virus subgroup A, B, J (-) ;

Reticuloendotheliosis virus (-) ; Infectious bronchitis virus (-) ; *Mycoplasma gallisepticum* (-)

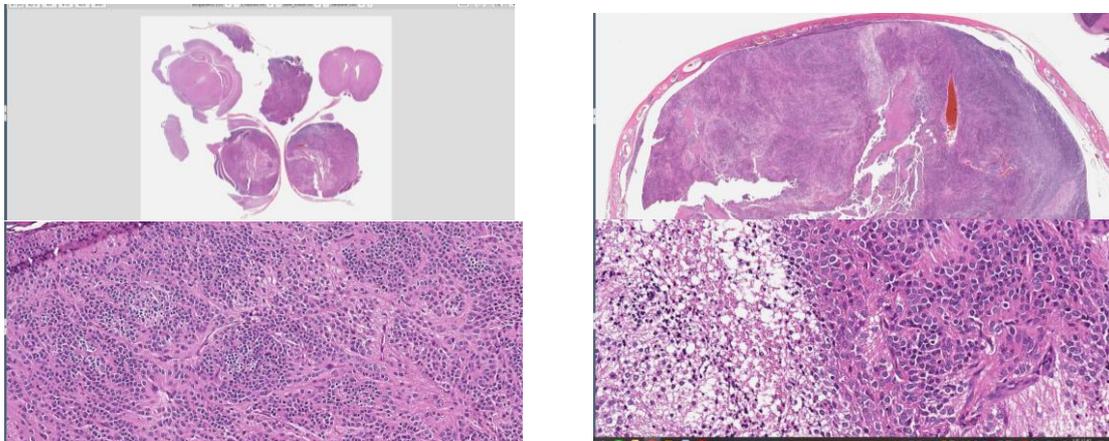
Dx. : Marek's disease

切片名稱：Case 5. 105024

Case 5. CSVP 2026-3306 (105024, NTUCM LAC, Y.T. Tsai, I.S. Yu, and H.N. Kung)

Mouse, *Ptch1*^{+/-}, 6-month-old, female. The mouse presented protruding skull and loss of righting reflex.

Cerebellum: The neoplasm is usually composed of a fairly uniform, closely packed, round to polygonal cell population, often arranged in cell dense sheets or bands. There is a scanty vascular stroma. Nuclei are usually small, elongate, hyperchromatic, densely packed and without apparent cytoplasm. Small, dark blue cells irregularly arranged and with rare neuroblastic Homer - Wright rosette-like formation. Mitotic figures are about 2 per 400× HPF, while the PI can be up to 40%.



Lab. examination :

Mouse strains having targeted mutations of the tumor suppressor genes (*Trp53* and *Ptch1*)

IHC: neuronal marker panel of SYN, NeuN, and MAP-2 (+)

Dx: Medulloblastoma in a *Ptch1*^{+/-} mouse

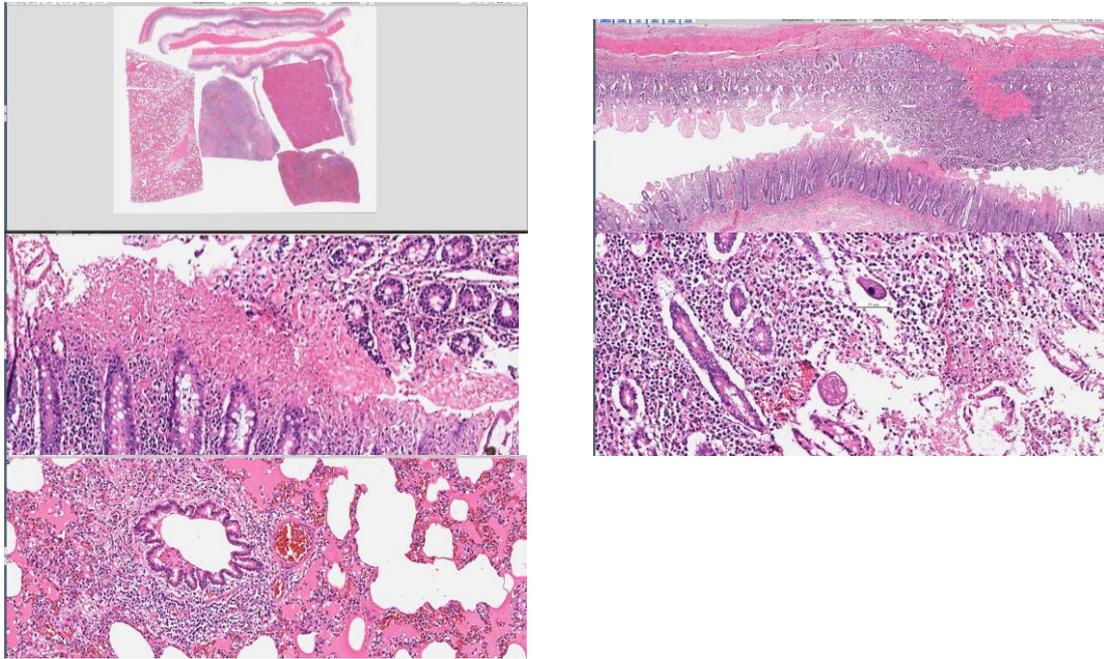
切片名稱：Case 6. CM25-12007

Case 6. CSVP 2026-3307 (CM25-12007, ADDC NCHU, Y.H. Lee, H.Y. Chiou, and F.H. Hou)

Gilts, 7~8-month-old, exhibited an acute onset of symptoms, including dyspnea, nasal discharge, vomiting, and hematochezia 便血. The outbreak resulted in a 33% mortality rate (3/9).

Morphological diagnosis:

1. Ulcerative typhlocolitis, with mucosal hemorrhage and eosinophils infiltration in lamina propria, subacute to chronic, diffuse, severe, cecum and colon.
2. Eosinophilic ileitis, subacute, diffuse, severe, with *Balatidia coli* ileum.
3. Broncho-interstitial pneumonia, subacute, diffuse, mild, lung.



Lab. examination :

Fecal Examination: Direct Fecal Smear : *Trichuris suis* (+)

Bact (liver, lung) : (-)

RT-PCR : *Brachyspira hyodysenteriae* (-) ; *Lawsonia intracellularis* (-) ; PRRS (+) ;

PCV2 (+)

Dx: Trichuriasis and PRRSV infection in gilts