



PATIENT

Bentley Mendoza

PRESENTING CLINICAL SIGNS

P came from a puppy mill, O has had for about 6 months now. No seizures visualized until today, but O thinks he may have potentially been having them longer. O is RN so she knows some of the signs/symptoms to watch for. Says P will have weird episodes where he is aggressive towards O, seems hyperactive and avoids them, then will come back to "normal" and be fine. O notes that P circles to the left often but wasn't sure if he was circling from being crated as puppy (behavioral) vs other reason. Seizure seen today lasted about 2 mins, hypersalivating/foaming at mouth, did not lose bowels though.
Abnormal PE/Chem/CBC/UA Results:

SPECIES

K9

BREED

Cavalier King Charles
Spaniel

COMPUTED TOMOGRAPHY OF THE SKULL, THORAX AND ABDOMEN

A high resolution pre- and post-contrast CT study of the skull and abdomen and a post-contrast CT study of the thorax are provided for review.

SEX

M

COMPUTED TOMOGRAPHIC FINDINGS

Skull

The pictured parts of the dentition are complete and unremarkable in all jaw quadrants.

AGE

1 Year

The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external ear canals are within normal limits.

HOSPITAL NAME

Animal Emergency
Hospital Volusia

Multiple sutures of the calvarium are still open. The lateral ventricles and third ventricle of are markedly dilated. The volume of the parenchyma of the cerebral hemispheres is significantly reduced and can be appreciated as peripheral demarcation of the ventricular system. Fluid attenuating material is dissecting along the internal capsule, level with the basal ganglia. There is a supracollicular fluid accumulation, distorting the rostral cerebellar contour.

REFERRING VET

DJ

The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

Thorax

INVOICE

49350

Mineralization of multiple intervertebral discs along the cervical-, thoracic- and lumbar spine is seen.

DATE

1-2-22

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform and considered within normal limits.

The cardiovascular structures including the pulmonary vasculature are within normal limits.



PATIENT

Bentley Mendoza

The bronchial tree presents with regular branching and tapers uniformly towards the periphery as expected, the bronchial walls are thin and smooth. The bronchus-to-artery ratio is within normal limits.

SPECIES

K9

The lung parenchyma presents the expected architecture and attenuation behavior.

Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.

BREED

Cavalier King Charles Spaniel

Abdomen

The serosal fat presents normal attenuation behavior. There is no evidence of peritoneal effusion or peritonitis.

Both kidneys present within normal limits for size, shape and organ architecture. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

SEX

M

The adrenal glands are within normal limits for size, shape and organ architecture.

AGE

1 Year

Both liver and spleen present with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

The portal vein presents a normal order of its tributary veins and intrahepatic branching. No abnormal vessel is noted inside and outside of the liver parenchyma.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.

The position, delineation, wall and content of the gastrointestinal tract are considered within normal limits throughout.

HOSPITAL NAME

Animal Emergency Hospital Volusia

A separate left & right caudal vena cava of the pre-renal segment is seen.

The right femur presents a deformed trochlea that is shallow, and the trochlear ridges are not appreciated. The right patella is located at the medial aspect of the medial femoral condyle – presenting a ‘pseudotrochlea’ at the medial aspect of the medial femoral condyle. Secondary pronation of the tibia is noted.

REFERRING VET

DJ

The left stifle joint presents without abnormalities.

COMPUTED TOMOGRAPHIC DIAGNOSIS

INVOICE

49350

DATE

1-2-22

- Hypertensive hydrocephalus internus
- Incomplete ossification of the calvarium
- Right sided medial patellar luxation with ‘pseudotrochlea’ formation
- Multifocal chondroid disc degeneration along the thoracic & lumbar spine
- Double caudal vena cava, pre-renal segment, incidental
- No evidence of portosystemic shunting, neither intra- nor extrahepatic
- Normal thorax



PATIENT

Bentley Mendoza

SPECIES

K9

BREED

Cavalier King Charles
Spaniel

SEX

M

AGE

1 Year

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

HOSPITAL NAME

Animal Emergency
Hospital Volusia

REFERRING VET

DJ

INVOICE

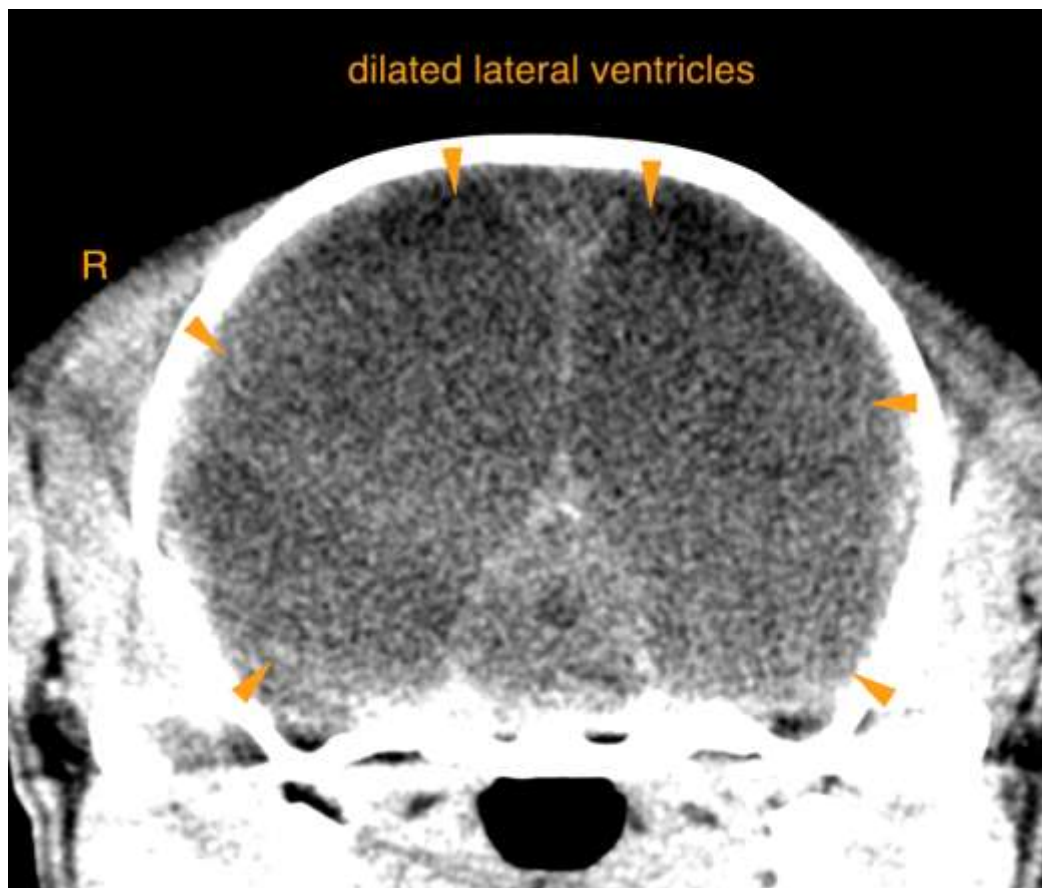
49350

DATE

1-2-22

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The hypertensive hydrocephalus internus is a plausible explanation for the described clinical signs. The chances of implantation of a ventriculoperitoneal shunt can be discussed with neurologist.





PATIENT

Bentley Mendoza

SPECIES

K9

BREED

Cavalier King Charles
Spaniel

SEX

M

AGE

1 Year

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

HOSPITAL NAME

Animal Emergency
Hospital Volusia

REFERRING VET

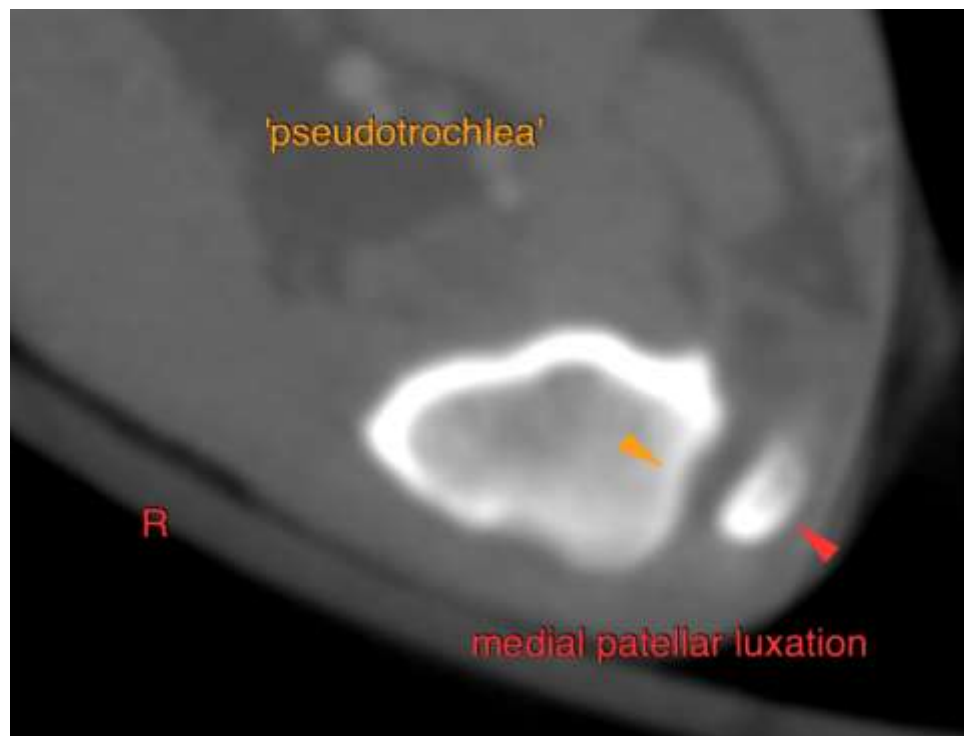
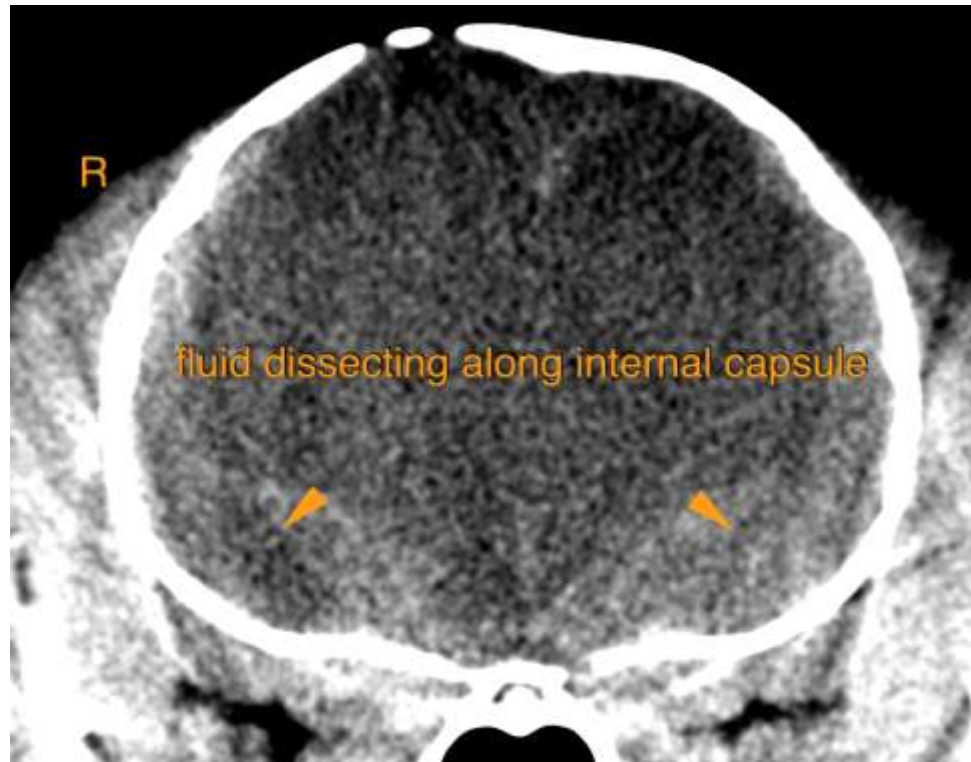
DJ

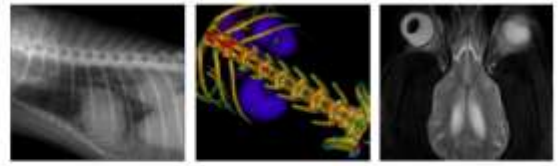
INVOICE

49350

DATE

1-2-22





PATIENT

Bentley Mendoza

The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

K9

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

BREED

Cavalier King Charles
Spaniel

Sebastian Schaub, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
sebast.schaub@gmail.com

SEX

M

AGE

1 Year

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

HOSPITAL NAME

Animal Emergency
Hospital Volusia

REFERRING VET

DJ

INVOICE

49350

DATE

1-2-22