



# Veterinary Health Center

900 E. Campus Dr.  
Columbia, Mo 65211

Web: [vhc.missouri.edu](http://vhc.missouri.edu)

Small Animal: 573-882-7821  
Wentzville: 636-332-5041

Equine: 573-882-3513  
Food Animal: 573-882-6857

Client: 4100924 - Gayle Reardon  
1250 W. Flurie Rd.  
  
North Sioux City, SD 57049  
605-366-2482  
gtrdds@aol.com

Patient: 8154721 - Merv  
Canine  
Cavalier King Charles  
8.5 kg  
Jan 01, 2019

DVM: RICHARD ROGAN, BS, MS, DVM  
HORIZON PET CARE  
1100 E HOLLY BLVD  
BRANDON, SD 57005  
(605) 582-8445

Admission Date/Time: 2/3/21 1:56 PM

Reason for Visit: MRI

Request: 2260845

Result Date: 02/03/2021

Client Discharge Instructions

**Attending DVM**

Hsuan-ping Hong - Faculty

**Discharge Instructions**

Thank you for bringing Merv to the University of Missouri Neurology & Neurosurgery service and entrusting us with his care. He is a very sweet dog!

**HISTORY:**

Merv is a 1-year-old male intact Cavalier King Charles Spaniel who presented to the University of Missouri Neurology & Neurosurgery service on 02/03/21 for an MRI to screen for caudal occipital malformation syndrome (Chiari-like malformation). He has no health concerns at this time.

**PHYSICAL EXAMINATION:**

WT: 8.7 kg TEMP: 101.9 \*F HR: 130 bpm RR: panting

On physical examination, Merv was bright, alert, and reactive. All vital parameters (heart rate, respiratory rate, and temperature) were all within normal limits for a dog in the hospital setting. Merv had a mild amount of dental calculus and gingivitis. Cardiothoracic auscultation revealed no murmurs or arrhythmias and normal bronchovesicular sounds in all lung fields. Abdominal palpation was soft and non-painful. Merv's ears, eyes, and nose were clear of debris. The rest of Merv's physical exam was unremarkable.

**NEUROLOGIC EXAMINATION:**

Merv's neurologic exam was unremarkable.

**DIAGNOSTICS:**

PCV: 42%

TP: 7.1 g/dL

Limited brain MRI: Merv was anesthetized and had a screening sagittal and transverse brain MRI of the caudal brain and cervical spine to the 7th cervical vertebrae.

Findings: Minimal-mild crowding of the caudal fossa, flattening of the cerebellum, and minimal ventriculomegaly, consistent with mild Chiari-like malformation (caudal occipital malformation syndrome). No evidence of syrinx formation.

**ASSESSMENT:**

Merv's MRI indicates a caudal occipital malformation syndrome (COMS) of the skull, also known as Chiari-like malformation. This has resulted in flattening of the cerebellum. Furthermore, this malformation can result in altered cerebrospinal fluid flow to cause signs of pain associated with syringomyelia. At this time, there is no evidence of syrinx formation, but it is possible future development of syrinx may happen which may cause pain. Please continue to monitor Merv at home for any abnormal behavior or neurologic changes.

**FOLLOW-UP:**

Status: COMPLETE

Requesting DVM: