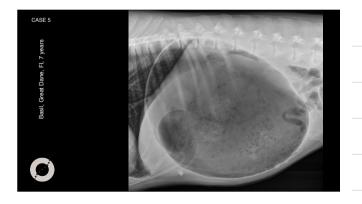




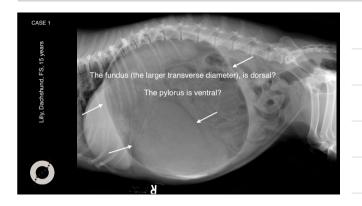
ngrel, FS, 7

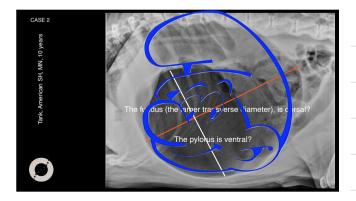
sella. Mor

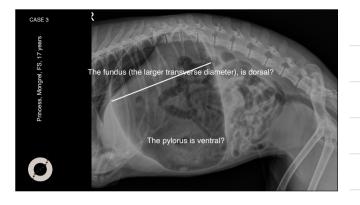


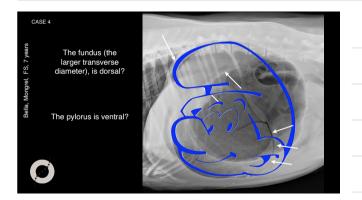












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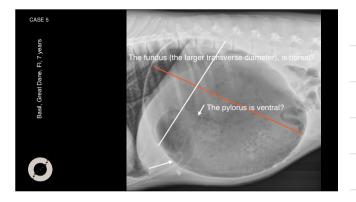
#### Vacuum phenomenon

Vauled Wanagawa'. Hirometal Obseka'', Kdi Jundi', Tabhihito Yonkalawa -Bator Takendo'. Examino Doned'. Yusamao Odo'. Konhel bitkiswa' the mechanism responsible for the formation of the VP [1]. If an enclosed itsue space is allowed to expand as a rebound phenomenon after an external impact, the volume within the enclosed space will increase. In the setting of expanding volume, the pressure within the space will decrease. The solubiity of the gas in the enclosed space will decrease. The solubiity of the gas in the enclosed space will decrease as the pressure of the space decreases. Decreased solubility allows a gas to leave a solution. The combination of lower nitrogen solubility and the minimal metabolism of nitrogen by the body mainly accounts for the formation of the VP is the same as cavitation induced by rotation of a ship's propeller in water, which depends on two laws of physics: Henry's Law and Boyle's Law.



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### Kim, German Shepherd, MI, 9 years

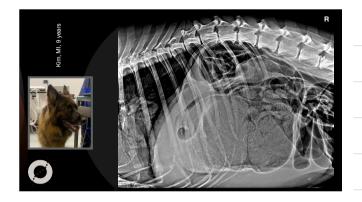
He ate more than usual

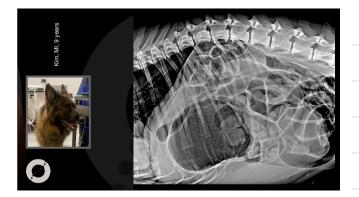
 Soon after, He started to attempt to vomit

· He seems painful

Overdistended stomach







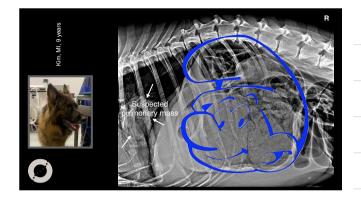
#### Your evaluation

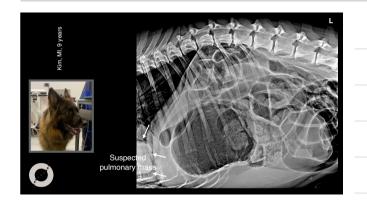
Is there lumbar spondylosis?

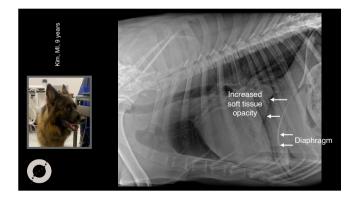
Is there gastric dilatation?

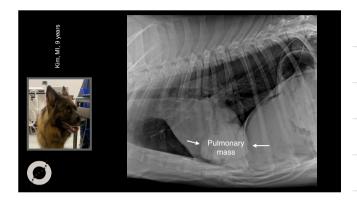
Is there gastric volvulus?













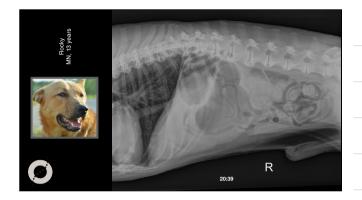
# Rocky, Mongrel, MN, 13 years

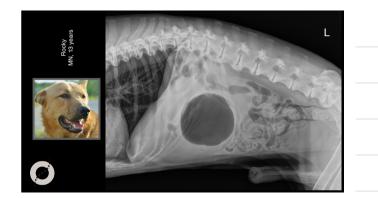
Stiff gait

The owner is concern for back pain

Tense abdomen on PE









#### Your evaluation

- Is there gastric torsion?
- Is there gastric dilatation?
- Is there hip dysplasia?



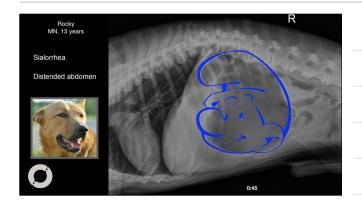
## Rocky, Mongrel, MN, 13 years

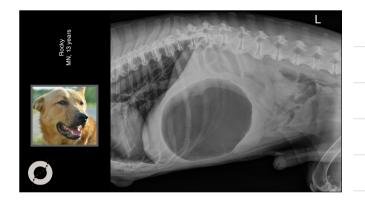
## Radiographic diagnoses:

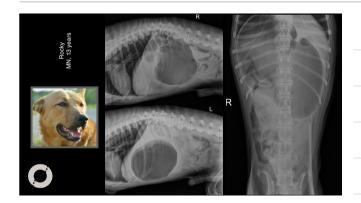
 Multiple sites of chronic thoracolumbar spondyloses



Ventral displacement of the fundus
Dorsal displacement of the pylorus









# Principessa, English Bulldog, FI, 12 years

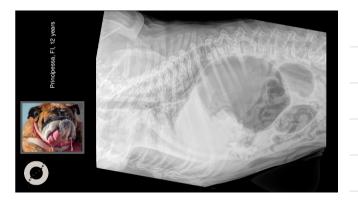
Severe vomiting for the last two months

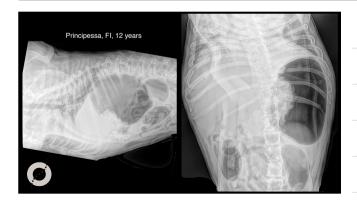
Severe weight loss

Suspected gastric mass on first ultrasonographic consultation

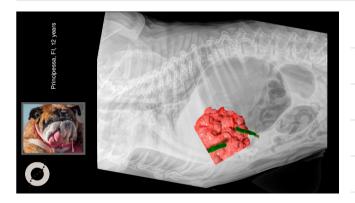
Second ultrasonographer didn't find the suspected mass









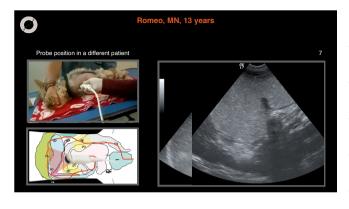














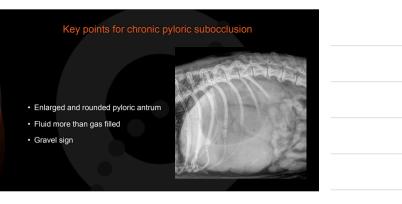














Vomiting for three days

Reduced appetite

Drinks but then vomits bile









