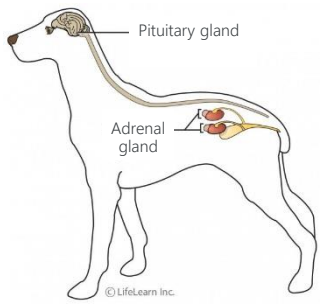
Vcheck Cortisol

Diagnostic Algorithm

Companion Animal, 17(2), 14–18.

- Diagnostic Algorithm for Canine Hyperadrenocorticism



[Suspicion of Cushing's Disease]
- Polydipsia & polyuria
- Lethargy
- Abdominal enlargement ("pot-belly")
- Muscle weakness
- Alopecia

Vcheck Cortisol
Conduct a screening Test
(ACTH ST or LDDST)

Negative

Continue diagnostic workup to exclude Cushing's disease

If still suspicious, try other screening tests or retest 1 month later

Positive

Suppression of cortisol levels following LDDST ?

PDH

Differentiation Test

HDDST

Suppression of cortisol levels ?

Yes

PDH

No

AT or PDH

ACTH assay

High

PDH

Low

AT

Ultra-sonography

Both adrenal glands enlarged?

PDH

Mass in one adrenal gland?

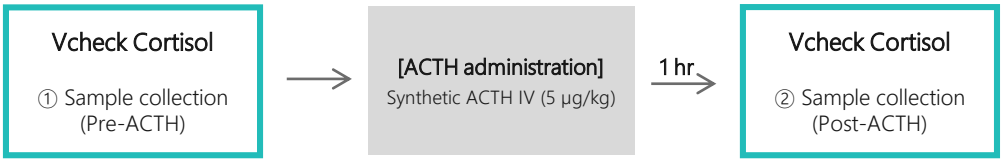
AT

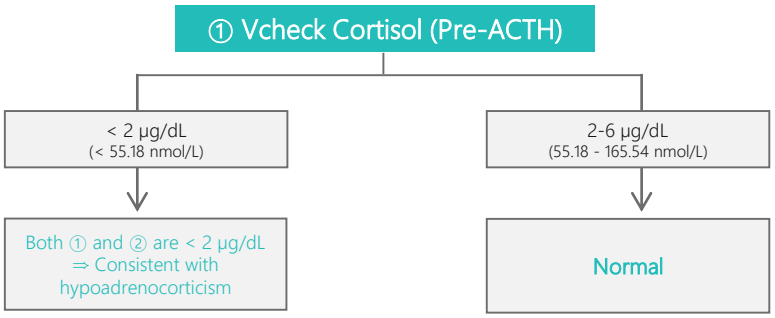
*PDH: Pituitary-dependent Hyperadrenocorticism
AT: Adrenal Tumor

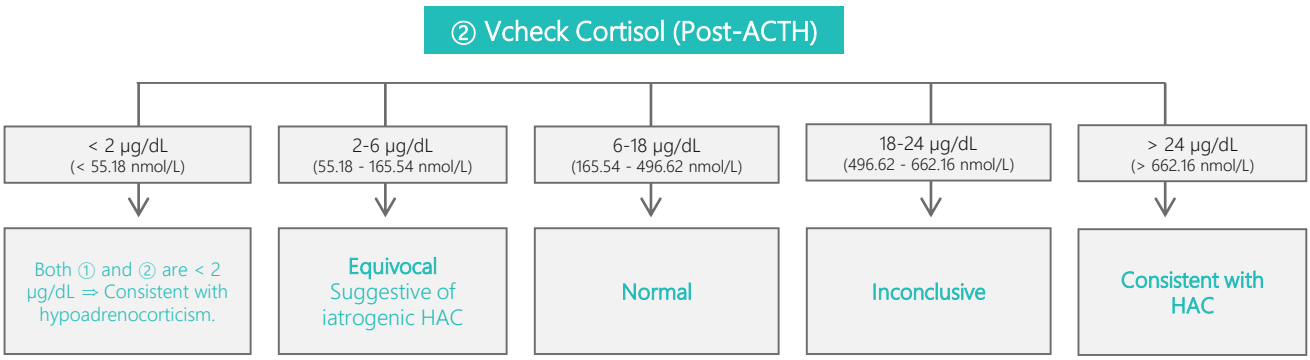
Vcheck Cortisol

Diagnostic Algorithm

- ACTH Stimulation Test



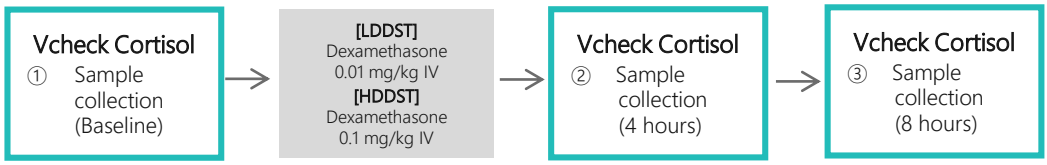




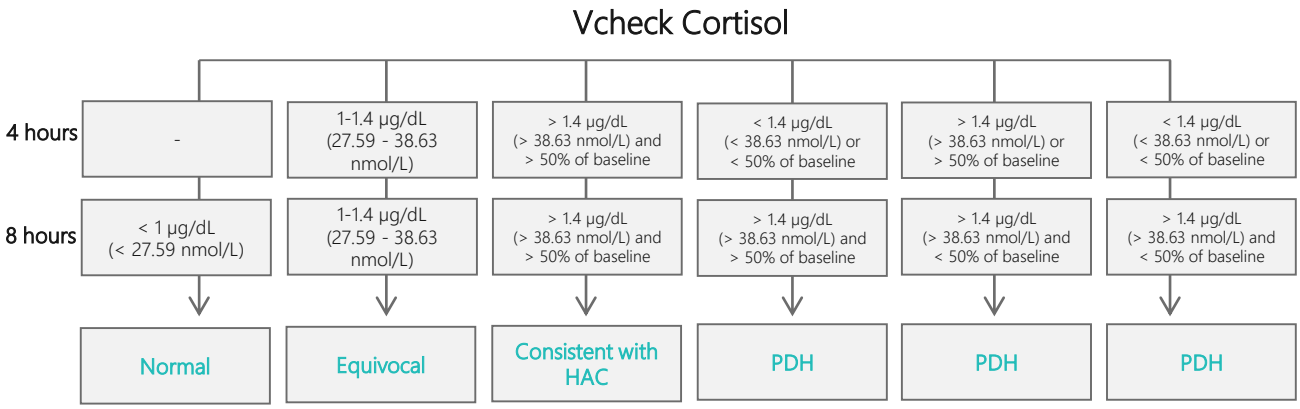
Vcheck Cortisol

Diagnostic Algorithm

Dexamethasone Suppression Test (LDDST, HDDST)

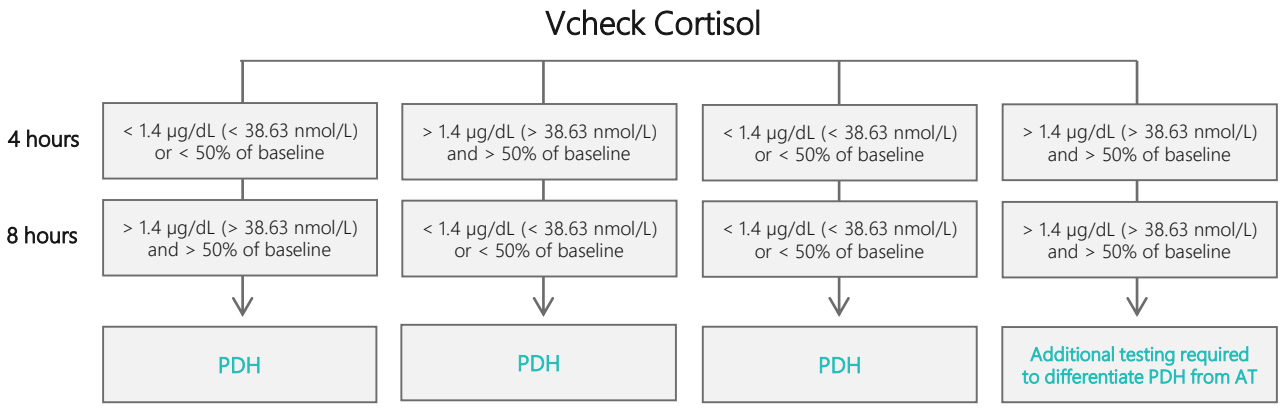


- Low-Dose Dexamethasone Suppression Test (LDDST)



* 1 μg/dL is equal to 27.59 nmol/L

- High-Dose Dexamethasone Suppression Test (LDDST)



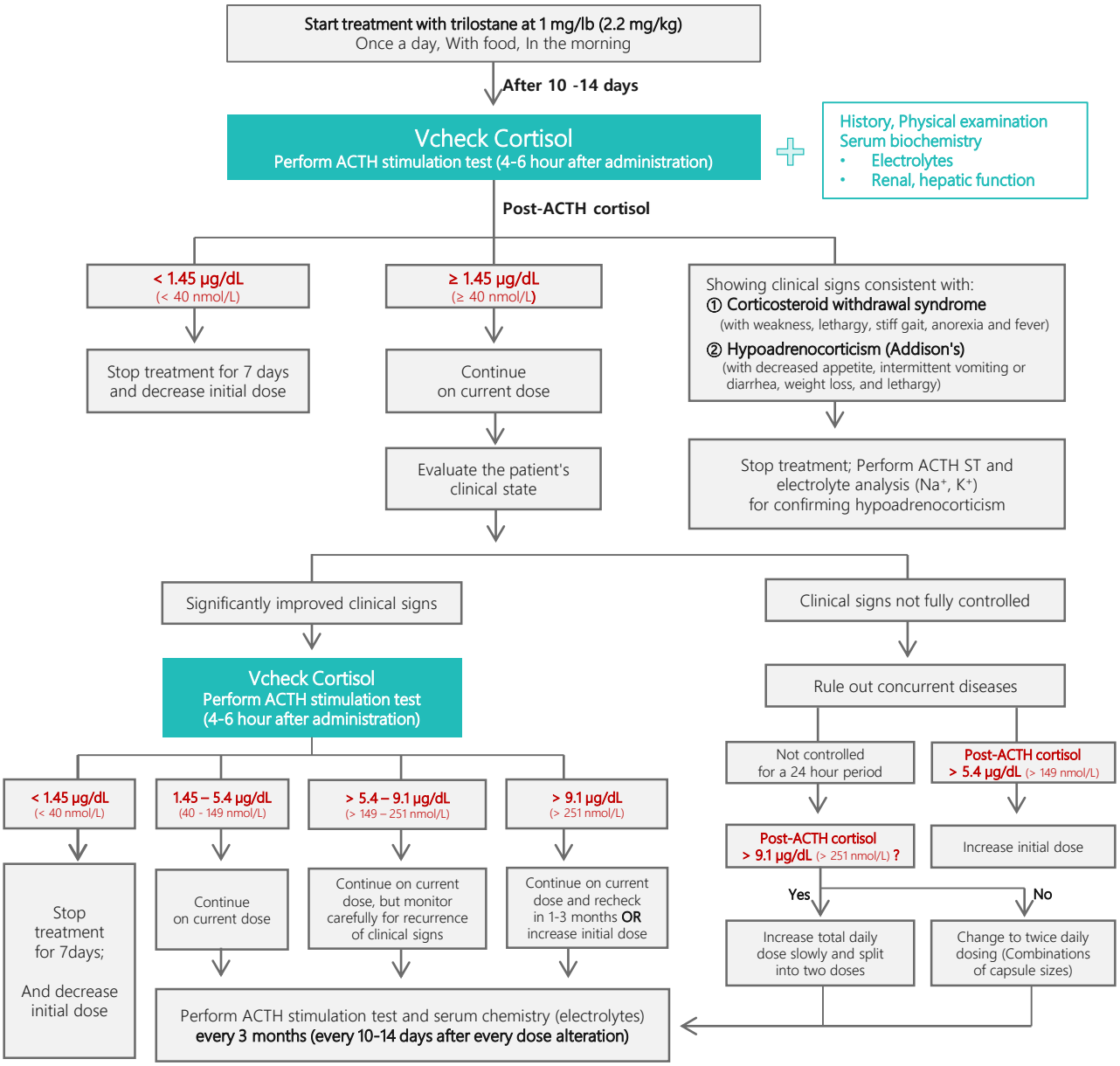
* 1 μg/dL is equal to 27.59 nmol/L

Vcheck Cortisol

For the treatment of hyperadrenocorticism in dogs

Trilostane Monitoring (e.g. Vetoryl®)

- Start with the lowest possible dose based on the patient's body weight
- Perform an ACTH stimulation test and serum biochemistry (electrolytes, renal and hepatic function) 10-14 days after every dose alteration



For more information about the Vcheck Cortisol, visit our web site at: http://bionote.co.kr/eng/