

Systemic Infections in Dogs and Cats



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Goals of 5 weeks

- First 2 weeks
 - Heart disease
 - Respiratory tract
- Following 2 weeks
 - Hematological disease
 - *Systemic infections*
- Last week
 - Other remarkable notes



SIXTH EDITION

Small Animal Internal Medicine



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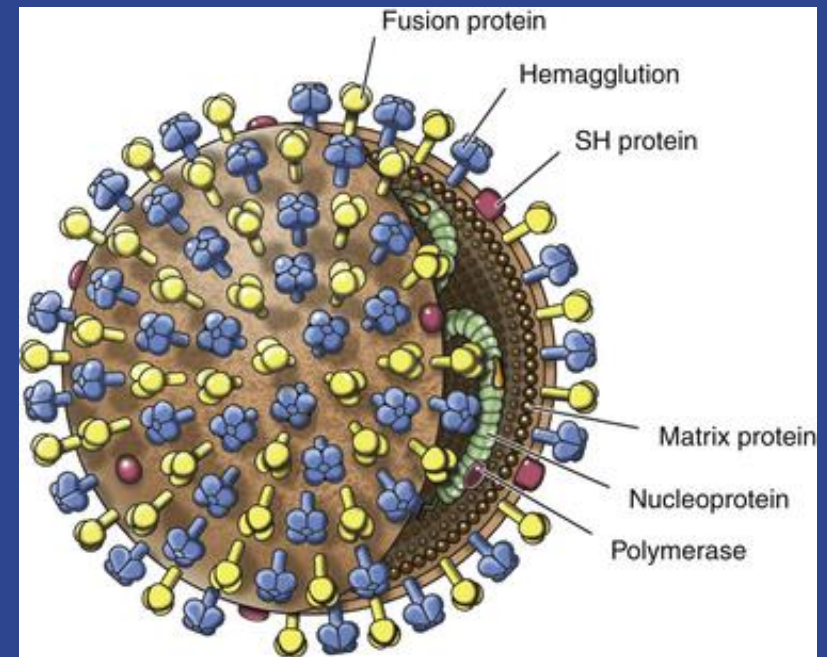
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ELSEVIER



Distemper Virus Infection

- Mononegavirales
 - Paramyxoviridae
 - Paramyxovirinae
 - Morbillivirus
 - Canine distemper virus
- Aerogen transmission
- Measles



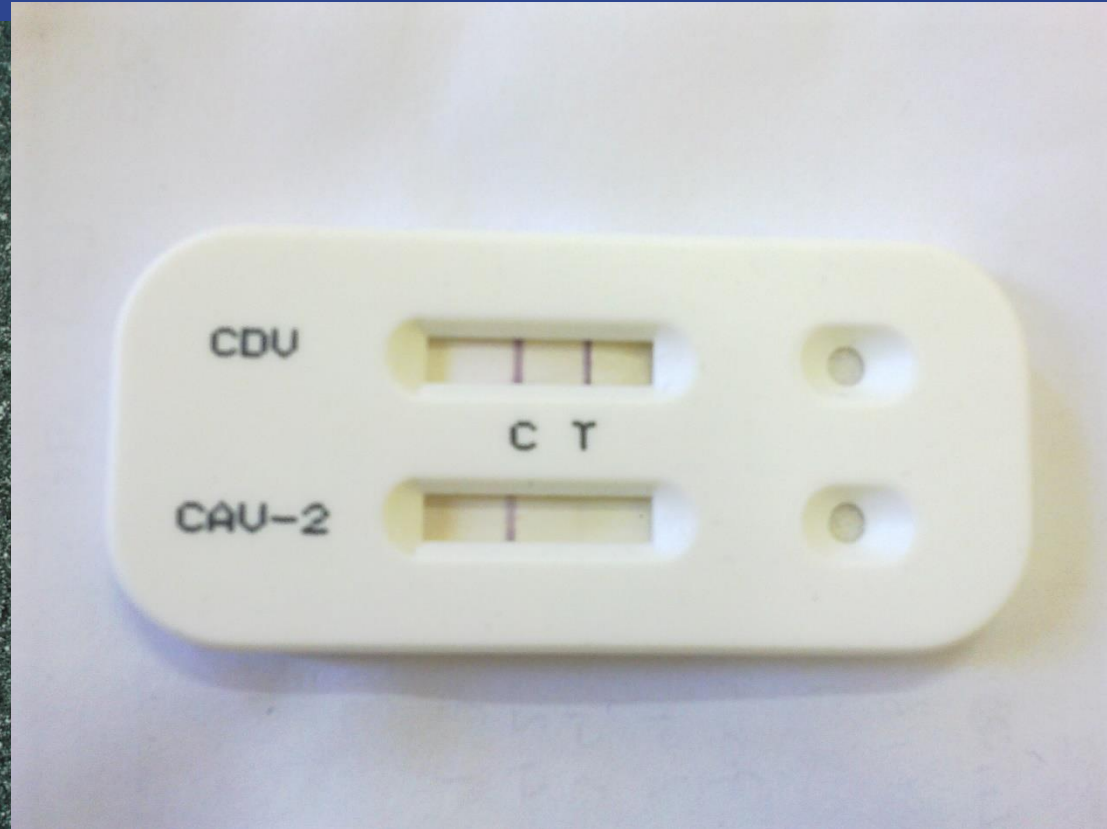
Clinical Signs



Clinical Signs



Diagnosis of the CDV



Nonspecific blood analyses



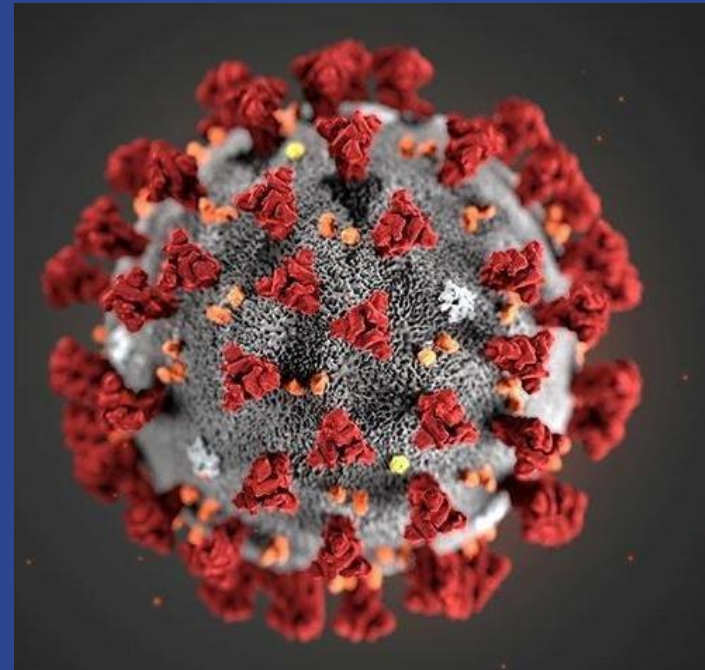
Treatment of the CDV

- If respiratory signs only or respiratory and gastrointestinal signs
 - Possible to treat, not exactly
 - Supportive care
- If neurological signs (tremor etc) present
 - No treatment possible
- Vaccination



Feline Infectious Peritonitis (FIP)

- Coronavirus
- Not clear of transmission among cats



Clinical Signs



FIP cat



Clinical Signs



Diagnosis of the FIP

- S1-S6
- Total Protein/Albumin Ratio



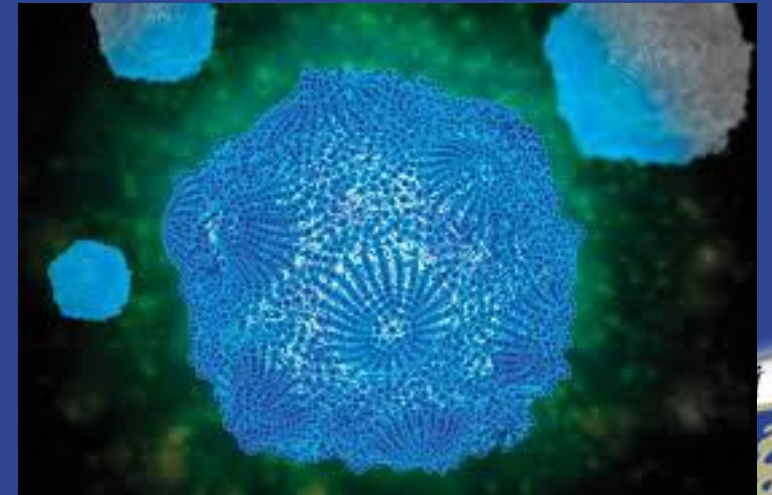
Treatment of FIP

- Effusive not possible
 - Euthanasia
- Non-effusive
 - Uveitis
 - Steroids
- No vaccination



Parvoviral Enteritis-Panleucopenia

- Parvovirus
- Fecal-oral transmission among dogs and cats
- Resistant to environmental changes



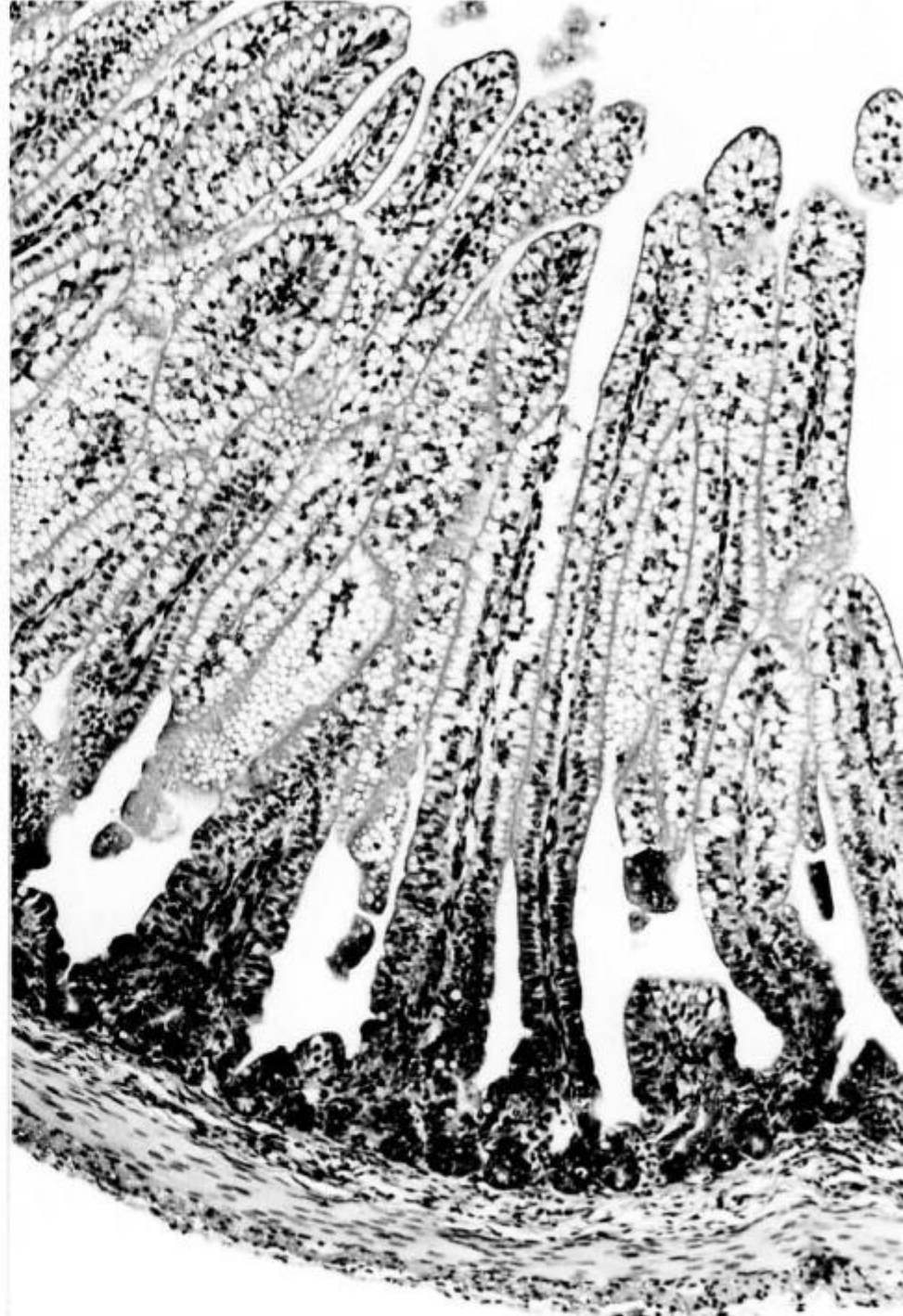
Clinical Signs





Vet.Path.Utrecht





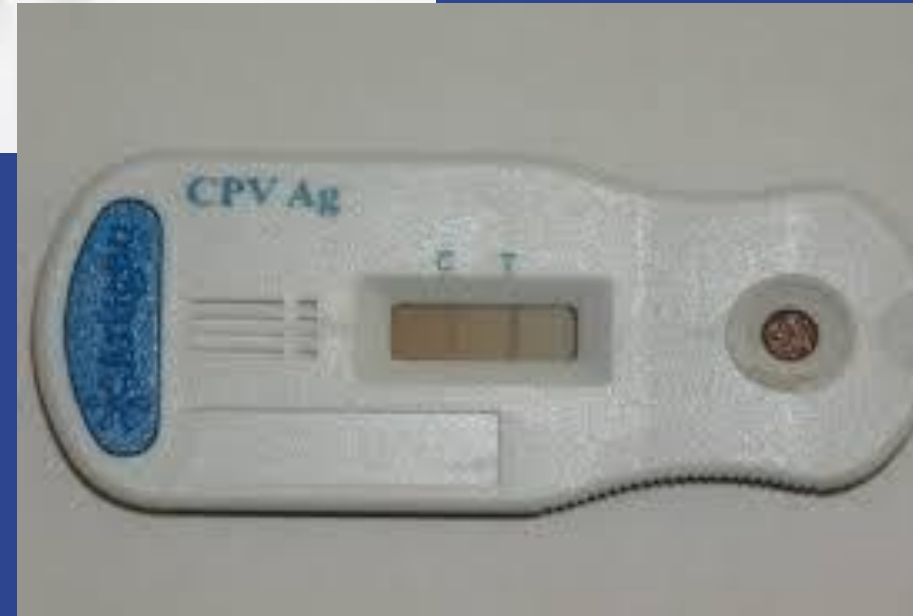
Clinical Signs



Clinical Signs



Diagnosis of the Parvovirus





T.C.
ANKARA ÜNİVERSİTESİ
VETERİNER FAKÜLTESİ HAYVAN HASTANESİ
LABORATUVAR ANALİZ RAPORU



Gönderen Kurum : Hastanın ; Sahibi :
Örnek Tipi : Türü :
Örneğin Alındığı Tarih : Adı :
Örnek Kayıt Tarihi : 20.08.2020 08:36:11 Yaşı :
Kayıt Numarası : 129858 Irkı : Haski
Analiz Başlama ve Bitiş Tarihi : 20.08.2020 - 20.08.2020 Cinsiyet : Dişi
Rapor Tarihi : 20.11.2020 14:59:19 Rengi :
Mikroçip No :

Sonuçlar

Analiz Bilgisi:

Analiz Adı	Lab. Değeri	Sonuç	Birim	Referans Aralık	Yöntem
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MTL Hematolojik Analizler

WBC	5,50	L	10 9/l	6,00 - 17,00	
LYM	0,50	L	10 9/l	0,90 - 5,00	
MONO	0,20	N	10 9/l	0,20 - 1,50	
NEUT	4,70	N	10 9/l	3,50 - 12,00	
EOS	0,10	N	10 9/l	0,10 - 2,50	
LYM%	9,40	L	%	12,00 - 30,00	
MONO%	3,20	N	%	2,00 - 13,00	
NEUT%	84,70	H	%	35,00 - 70,00	
EOS%	2,70	N	%	0,10 - 4,00	
RBC	7,63	N	10 12/l	5,50 - 8,50	
HGB	16,10	N	g/dL	12,00 - 18,00	
HCT	45,70	N	%	37,00 - 55,00	
MCV	59,90	L	fl	60,00 - 72,00	



Treatment of Parvovirus Infection

- Fluid therapy
 - Ringer solutions
 - Isotonic %0.9 solutions
 - Aminoacid solutions
- IV antibiotics
 - Ampisilin 25mg/kg x BID
- Blood transfusion
- Vitamins
- Antiemetics IV
 - Metoclopromid 0.5 mg/kg



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