

A REVIEW OF CONFIRMED PATHOGEN OF DOGS AND CATS IN IRAQ

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ABSTRACT

The pathogens listed under dogs and cats include the pathogens of males and females for the species. The pathogen of cats is lesser than of dogs because of difficulty in catching and handling the cats.

The pathogens are referred by their first laboratory confirmer(s), except for the bacterial pathogens which are listed without the confirmer(s) due to the uncertainty of the first confirmer (s). The microorganismes from healthy tissues are not included. The mentioned investigations and research studies confirmed 82 pathogens in dogs and 26 in cats

Name	Dogs Laboratory confirmation and reference	Cats Laboratory confirmation and reference
Viral pathogens		
1 Rota virus	+(1)	
Mycoplasmal pathogens		
Not confirmed		
Chlamydial pathogens		
Not confirmed		
Ricketesial pathogens		
1 Haemobartonella canis	+(2)	
Fungal pathogens		
1 Aspergillus fumigatus	+(3)	
2 Aspergillus niger	+(4)	+(4)
3 Aspergillus terreus	+(4)	
4 Candida spp	+(4)	+(4)
5 Pityrosporum canis	+(3)	

Bacterial pathogens

1	Campylobacter jejuni	+
2	Corynebacterium spp	+
3	Enterobacter spp	+
4	Escherichia coli	+
5	Klebsiella spp	+
6	Micrococcus spp	+
7	Proteus spp	+
8	Proteus vulgaris	+
9	Pseudomonas aeruginosa	+
10	Salmonella spp	+
11	Salmonella agona	+
12	Salmonella anatum	+
13	Salmonella branderup	+
14	Salmonella enteritides	+
15	Salmonella give	+
16	Salmonella infantis	+
17	Salmonella molade	+
18	Salmonella munchen	+
19	Salmonella typhi	+
20	Salmonella typhimurium	+
21	Salmonella virchow	+
22	Staphylococcus aureus	+
23	Staphylococcus intermedius	+
24	Staphylococcus (α - hemolytic)	+
25	Staphylococcus (β - hemolytic)	+
26	Shigella dysenteriae	+

Parastic pathogens

I Blood parasites and protozoa		
1	Babesia gibsoni	+(2)
2	Eimeria cati	+(5)
3	Giardia spp	+(6)
4	Isospora canis	+(5)
5	Isospora felis	+(5)
6	Isospora rivolta	+(5)
7	Leishmania donavani	+(7)
8	Leishmania tropic	+(8)
9	Piroplasma (Babasia) canis	+(9)
10	Sarcocystis spp	+(10)
11	Toxoplasma gondi	+(11)
12	Trypanosome evansi	+(12)
II mites		
1	Otodectes canis	+(13)
2	Otodectes cynotis	+(14)
3	Sarcoptes scabiei	+(15)
III Lice		
1	Linignathus setosus	+(16)
2	Trichodectus canis	+(10)
IV Fleas		
1	Ctenocephalis canis	+(17)
2	Ctenocephalis felis	+(10)
V Ticks		
1	Haemophysalis bibinosa	+(9)
2	Haemophysalis fleva	+(9)
3	Haemophysalis parva	+(18)
4	Hyalomma excavatum	+(15)
5	Rhipicephalus bursa	+(15)
6	Rhipicephalus sanguineus	+(9)
7	Rhipicephalus turanicus	+(14)
VI Insects		
1	Hippobosca longipennis	+(20)
VII Larval stages of helminths and insects		
1	Chrysomyia bezziana	+(21)
2	Microfilaria of Dirofilaria repens	+(15)

VIII Helminths

1	<i>Ancylostoma cananium</i>	+(22)	
2	<i>Ancylostoma paraduedenale</i>		+(23)
3	<i>Capillaria</i> spp	+(24)	
4	<i>Dicrocoelium dentriticum</i>	+(25)	
5	<i>Diphylobothrium latum</i>	+(26)	
6	<i>Diplopylidium acanthotetra</i>		+(27)
7	<i>Diplopylidium columbae</i>		+(28)
8	<i>Diplopylidium nollerii</i>		+(23)
9	<i>Dipylidium caninum</i>	+(29)	+(27)
10	<i>Dipylidium sexcronatum</i>		+(23)
11	<i>Dirofilaria imitis</i>	+(26)	
12	<i>Dirofilaria repens</i>	+(15)	
13	<i>Echinococcus granulosus</i>	+(30)	
14	<i>Hydatigera taeniaefarmis</i>		+(23)
15	<i>Joxeuiella pasquali</i>		+(23)
16	<i>Mesocestordes linatus</i>	+(22)	
17	<i>Metagonimus uologawai</i>	+(10)	
18	<i>Metaorchis albidus</i>	+(31)	
19	<i>Multiceps</i> spp	+(25)	
20	<i>Naplorchis pumilo</i>	+(31)	
21	<i>Naplorchis taichi</i>	+(31)	
22	<i>Opisthorchis tenicollis</i>	+(31)	+(31)
23	<i>Physalopetera canis</i>	+(24)	
24	<i>Physalopetera preputialis</i>		+(23)
25	<i>Pneumonema</i> sp		+(28)
26	<i>Rictolaria cahirensis</i>		+(23)
27	<i>Spirocerca lipi</i>	+(15)	
28	<i>Spirometra</i> spp	+(29)	
29	<i>Spirometra mansonolides</i>		+(23)
30	<i>Strongyloides</i> sp	+(26)	
31	<i>Strongyloides stercoralis</i>	+(32)	
32	<i>Taenia hydatigena</i>	+(29)	
33	<i>Taenia taeniformis</i>		+(23)
34	<i>Toxascaris leonina</i>	+(10)	
35	<i>Toxocara canis</i>	+(15)	
36	<i>Toxocara cati</i>		+(23)

- 37 Trichuris vulpis +(15)
38 Uncinaria stenocephala +(26)

Confirmed pathogens of dogs and cats		Dogs	Cats
A	Viral	1	
B	Ricketesial	1	
C	Fungal	6	2
D	Bacterial	26	
E	Parasitic		
I	Blood parasites and protozoa	8	5
II	Mites	2	1
III	Lice	2	
IV	Fleas	2	1
V	Ticks	6	2
VI	Insects	1	
VII	Larval stages of helminths and insects	2	
VIII	Helminths	25	15
		82	26

Note

The confirmed pathogen of Sheep and Goats were mentioned by (33) and of Cows and Buffaloes by (24)

مراجعة لمرضات الكلاب والقطة المثبتة في العراق

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الخلاصة

المرضات المذكورة للكلاب والقطة تتضمن ممرضات الذكور والاناث لذلك النوع . ممرضات القطة اقل من ممرضات الكلاب بسبب صعوبة المسك والسيطرة على القطة . ذكرت الممرضات مع اسم او اسماء مثبتها او مثبتتها الاوّل او الاوائل لعدم استطاعة التاكّد والحصول على اسماء المثبتين الاوائل لتلك المسببات ، ممرضات الجرثيم لا تتضمن الجرثيم المعزولة من الانسجة السليمة.

التحريات اثبتت وجود 82 ممرض في الكلاب و 26 ممرض في القطة.

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