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 aeroginosa	+
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 dysentariae	+

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

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الخلاصة

الممرضات المذكورة للكلاب والقطط تتظمن ممرضات الذكور والاناث لذلك النوع · ممرضات القطط اقل من ممرضات الكلاب بسسبب صعوبة المسك والسيطرة على القطط · ذكرت الممرضات مع اسم او اسماء مثبتها او مثبتيها الاول او الاوائل لعدم استطاعة التاكد والحصول على اسماء المثبتين الاوائل لتلك المسببات ، ممرضات الجراثيم لا تتضمن الجراثيم المعزولة من الانسجة السليمة·

التحريات اثبتت وجود 82 ممرض في الكلاب و 26 ممرض في القطط·

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