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Subject: PRO/AH/EDR> COVID-19 update (78): animal, Spain, pet ferret

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CORONAVIRUS DISEASE 2019 UPDATE (78): ANIMAL, SPAIN, PET FERRET

A ProMED-mail post

<http://www.promedmail.org>

ProMED-mail is a program of the

International Society for Infectious Diseases

<http://www.isid.org>

Date: Thu 14 Jan 2021

Source: bioRxiv [edited]

<https://www.biorxiv.org/content/10.1101/2021.01.14.426652v1>

Natural SARS-CoV-2 infection in kept ferrets, Spain

We found SARS-CoV-2 RNA in 6 of 71 ferrets (8.4%) and isolated the virus from one rectal swab. Natural SARS-CoV-2 infection does occur in kept ferrets, at least under circumstances of high viral circulation in the human population. However, small ferret collections are probably unable to maintain prolonged virus circulation.

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Communicated by:

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[This report was just brought to our attention today, 24 Feb 2021. - Mod.MPP]

The full preprint can be accessed at <https://www.biorxiv.org/content/10.1101/2021.01.14.426652v1.full.pdf>.

Infection by SARS-CoV-2 has been confirmed in several carnivores of 3 families (order Carnivora): canids (dogs and raccoon dogs), felids (cats, tigers, lions, puma/cougar, and snow leopard), and mustelids (ferrets and minks).

Pet ferrets were reported infected by SARS-CoV-2 in Slovenia recently (see ProMED post 20201226.8048809). The susceptibility of mustelids warrants surveillance and alert in households that keep pet ferrets. - Mod.PMB

HealthMap/ProMED map:

Spain: <https://promedmail.org/promed-post?place=8211251,43>

See Also

COVID-19 update (71): animal, mink, WHO/FAO/OIE risk assessment 20210218.8200008
COVID-19 update (68): animal-human interface, OIE, mink 20210216.8195382
COVID-19 update (65): animal, China, origin, WHO mission, Huanan market 20210214.8190188
COVID-19 update (62): animal, Latvia (RA) cat, OIE 20210212.8187389
COVID-19 update (60): animal, SARS-CoV-2-related viruses, pangolin, bat 20210211.8184900
COVID-19 update (58): animal, China, origin, WHO mission 20210210.8183343
COVID-19 update (57): animal China (Hong Kong) dog, OIE 20210210.8182259
COVID-19 update (53): animal, mink, Denmark, zoonotic aspects 20210207.8173294
COVID-19 update (49): animal, Bosnia & Herzegovina (SA) dog, OIE 20210205.8165920
COVID-19 update (47): animal, Poland (PM), mink, OIE 20210204.8162830
COVID-19 update (43): animal, China, origin, WHO mission, Huanan market 20210201.8153415
COVID-19 update (41): animal, China, origin, WHO experts mission, visits start 20210130.8149337
COVID-19 update (39): animal, Spain, Switzerland, mink, cat, OIE 20210129.8146532
COVID-19 update (35): animal, South Korea (KN) cat 20210126.8138196
COVID-19 update (29): animal, peridomestic wildlife, experimental infection 20210122.8126905
COVID-19 update (27): animal, China, origin, WHO experts mission 20210121.8124456
COVID-19 update (22): animal, Russia (LN) St. Petersburg,, cat 20210117.8111937
COVID-19 update (20): animal, deer, experimental infection 20210116.8108967
COVID-19 update (17): animal, China, origin, WHO experts mission 20210114.8103327
COVID-19 update (13): animal, USA, zoo, gorilla 20210112.8095510
COVID-19 update (07): animal, China, origin, WHO experts mission 20210106.8079009
2020

COVID-19 update (557): animal, Slovenia (SA) ferret, OIE 20201226.8048809
COVID-19 update (538): USA, animal, zoo, snow leopard 20201214.8017000
COVID-19 update (525): Spain, animal, zoo, lion, human 20201208.8002466
COVID-19 update (469): USA (TN) zoo, tiger 20201104.7915683
COVID-19 update (356): South Africa (GT) animal, puma, zoo, OIE 20200813.7673666
COVID-19 update (143): USA (NY) animal, zoo, tiger, lion, tests 20200430.7284183
COVID-19 update (141): India, animal, wild tiger, susp, clarification, RFI 20200430.7281768
COVID-19 update (138): India, animal, wild tiger, fatal 20200428.7275765
COVID-19 update (135): Netherlands (NB) animal, farmed mink 20200427.7272289
COVID-19 update (130): USA (NY) zoo, tiger, lion, new cases 20200425.7266556
COVID-19 update (85): USA (NY) tiger, OIE 20200406.7191480
COVID-19 update (84): USA, tigers 20200406.7191352
COVID-19 update (76): China (HU) animal, cat, owned, stray, seropositive 20200403.7179946
COVID-19 update (75): China (Hong Kong) cat, OIE 20200403.7179945
COVID-19 update (70): China (Hong Kong) cat, pets & stock 20200402.7173286
COVID-19 update (58): Belgium, cat, clinical case, RFI 20200327.7151215
COVID-19 update (57): global, re-using PPE, DR Congo, more countries, WHO 20200327.7149046
COVID-19 update (56): China (Hong Kong) animal, dog, final serology positive 20200326.7146438
COVID-19 update (45): China (Hong Kong) animal, dog, 2nd case PCR positive 20200319.7112693
COVID-19 update (37): China (Hong Kong) animal, dog, prelim. serology negative 20200312.7081842
COVID-19 update (30): China (Hong Kong) dog, susp, serology pending 20200306.7057595
COVID-19 update (25): China (Hong Kong) dog, susp, OIE 20200302.7040373
COVID-19 update (22): companion animals, dog susp, RFI 20200229.7036661
COVID-19 update (17): China, animal reservoir, wildlife trade & consumption 20200225.7024245

COVID-19 update (11): animal reservoir, intermediate hosts, pangolin susp 20200220.7009213

COVID-19 update (08): companion animals, RFI 20200218.7002276

COVID-19 update (06): animal reservoir, intermediate hosts 20200217.6997782

Novel coronavirus (42): China, global, COVID-19, SARS-CoV-2, WHO 20200211.6979942

Novel coronavirus (40): animal reservoir, pangolin poss intermediate host, RFI 20200210.6972104

Novel coronavirus (28): China (HU) animal reservoir 20200201.6943858

Novel coronavirus (22): reservoir suggested, bats 20200129.6930718

Novel coronavirus (20): China, wildlife trade ban 20200127.6922060

Novel coronavirus (18): China (HU) animal reservoir 20200125.6915411

Novel coronavirus (15): China (HU) wild animal sources 20200123.6909913

Novel coronavirus (03): China (HU) animal reservoir suggested, RFI 20200114.6887480

Novel coronavirus (01): China (HU) WHO, phylogenetic tree 20200112.6885385

Undiagnosed pneumonia - China (HU) (07): official confirmation of novel coronavirus 20200108.6878869

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