

To: [5.1.2e] [5.1.2e] [5.1.2e] @rivm.nl; [5.1.2e] @gddiergezondheid.nl; [5.1.2e] @gddiergezondheid.nl]
Cc: [5.1.2e] [5.1.2e] [5.1.2e] @rivm.nl
From: [5.1.2e] [5.1.2e] [5.1.2e] ([5.1.2e])
Sent: Fri 11/6/2020 2:35:27 PM
Subject: RE: nertsen denemarken
Received: Fri 11/6/2020 2:35:33 PM
[opzet signaal covid nertsen denemarken KM RJM MS.docx](#)

Hoi [5.1.2e]

Eens met het verhaal, één kleine aanpassing.

Gr [5.1.2e]

-----Oorspronkelijk bericht-----

Van: [5.1.2e] [5.1.2e] <[5.1.2e]@rivm.nl>
Verzonden: vrijdag 6 november 2020 13:58
Aan: [5.1.2e] [5.1.2e] [5.1.2e] ([5.1.2e]) <[5.1.2e]@nwwa.nl>
Onderwerp: FW: nertsen denemarken

Hoi [5.1.2e]

Sorry, maar zou je op deze versie willen reageren?

Dank je

[5.1.2e]

-----Original Message-----

From: [5.1.2e] [5.1.2e] [5.1.2e] <[5.1.2e]@gddiergezondheid.nl>
Sent: vrijdag 6 november 2020 13:19
To: [5.1.2e] [5.1.2e] <[5.1.2e]@rivm.nl>
Subject: [Spam] Re: nertsen denemarken

Hoi [5.1.2e]

Paar aanpassingen gedaan.

Van: [5.1.2e] [5.1.2e] <[5.1.2e]@rivm.nl>
Verzonden: vrijdag 6 november 2020 11:59:01
Aan: [5.1.2e] [5.1.2e] [5.1.2e]; [5.1.2e] [5.1.2e] [5.1.2e] ([5.1.2e]); [5.1.2e] [5.1.2e]
CC: [5.1.2e] [5.1.2e]
Onderwerp: nertsen denemarken

Beste allen,

Hierbij een voorzet voor het nertsenstukje over Denemarken. [5.1.2e] zal een aantal zaken navragen bij een Deense collega. Ik heb de promedmail eronder gezet.
Ik stuur zo een update over het Nederlandse signaal.

Alvast bedankt voor jullie reactie

Groet

[5.1.2e]

CORONAVIRUS DISEASE 2019 UPDATE (473): ANIMAL, DENMARK, MINK, MUTATION, ERADICATION, REQUEST FOR INFORMATION

A ProMED-mail post

<<http://www.promedmail.org>>

ProMED-mail is a program of the

International Society for Infectious Diseases <<http://www.isid.org>>

[1]

Date: Thu 5 Nov 2020

Source: Deutsche Welle (DW) [edited]

<<https://www.dw.com/en/denmark-tightens-lockdown-over-mink-coronavirus-mutation/a-55513862>>

The Danish government announced tough new restrictions on Thursday [5 Nov 2020] in the northeast of the country after authorities discovered that a mutated version of the coronavirus in minks was also found in humans.

Danish Prime Minister Mette Frederiksen warned that the mutation could threaten the effectiveness of any future vaccine. She said the mutated virus was found to weaken the ability to form antibodies.

As a result, 7 municipalities in the north of the country, home to most of Denmark's mink farms, will impose restrictions on movement across county lines.

"From tonight, citizens in 7 areas of north Jutland are strongly encouraged to stay in their area to prevent the spread of infection,"

Frederiksen said during a news conference. "We are asking you in north Jutland to do something completely extraordinary," she added, speaking of a "real closure" of the region. "The eyes of the world are on us."

Frederiksen discouraged people from traveling to the affected region.

She said public transport will be shut down with buses and trains stopped from entering or leaving north Jutland until 3 Dec [2020].

Frederiksen also said schools, bars and restaurants will shut, as will museums, libraries, swimming pools, and gyms. In addition, people were advised to work from home, and public gatherings were limited to a maximum of 10 people.

The prime minister urged inhabitants in the region to stay within their municipality and get tested.

The regional shutdown comes a day after the government ordered the cull of all minks bred at fur farms following the discovery of the mutated virus.

So far, 12 people in the north have been diagnosed with the new form of the virus. Health officials said they have not displayed more serious forms of the disease.

Health Minister Magnus Heunicke had said half the 783 human coronavirus cases in northern Denmark "are related" to mink."

Minister for Food Mogens Jensen said that at least 207 farms were now infected, up from 41 last month [October 2020], and that the virus has spread to all of the western peninsula of Jutland.

The government said that the culling of the country's estimated 15 million minks could cost up to DKK 5 billion (USD 785 million; EUR 670 million).

5.1.2e the World Health Organization's European 5.1.2e said Denmark showed "determination and courage" in deciding to cull the mink population, given the "huge economic impact" it would have.

Authorities have been calling for the culling of infected mink herds since June [2020] due to persisting outbreaks at mink farms.

Denmark is [one of the 2 world's largest producers] of mink skins, producing an estimated 17 million furs per year and employing around 4000 people. Last year [2019], the Danish mink pelt industry racked up exports of around USD 800 million.

The industry association for Danish breeders called the culling a "black day for Denmark."

The government has promised to compensate farmers.

--

Communicated by:

ProMED-mail

<5.1.2e@promedmail.org<5.1.2e@promedmail.org>>

[2]

Date: Wed 4 Nov 2020

<<https://www.nytimes.com/2020/11/04/health/covid-mink-mutation.html>>

The Danish government will slaughter millions of mink at more than

1000 farms, citing concerns that a mutation in the novel coronavirus that has infected the mink could possibly interfere with the effectiveness of a vaccine for humans.

Prime Minister Mette Frederiksen made the announcement at a news conference on Wednesday [4 Nov 2020]. There are 15 million or more mink in Denmark, which is one of the world's major exporters of mink furs. She said the armed forces would be involved in the culling of mink.

5.1.2e 5.1.2e, the head of the State Serum Institute, the government's public health and infectious disease arm, warned at the news conference that a mutation could interfere with the effectiveness of future vaccines. The government has notified the World Health Organization of the virus mutation, and also said 12 people in its Jutland region are known to have it and that it shows a weak reaction to antibodies, according to news reports.

The WHO acknowledged by email that it had been "informed by Denmark of a number of persons infected with coronavirus from mink, with some genetic changes in the virus." The WHO said that Denmark was "investigating the epidemiological and virological significance of these findings, and culling the mink population. We are in touch with them to find more about this event."

Without published reports on the nature of the mutation or how the virus variant was tested, research scientists outside Denmark who study the virus were left somewhat in the dark. 5.1.2e a microbiologist at the University of Iowa and a specialist on the novel coronavirus, said he could not evaluate the Danish statements without more information.

Dr. 5.1.2e Epstein, vice president for science and outreach at the EcoHealth Alliance, a conservation organization, said he had not seen any details so far, but "someone would have to release the sequences soon, and the evolutionary biologists will be all over it."

On Twitter, 5.1.2e 5.1.2e, a geneticist at the University of Basel, Switzerland, who is tracking the spread of the novel coronavirus, urged caution. "Don't panic," 5.1.2e tweeted. "Scientists will update when we have more info."

In September [2020], Dutch scientists reported in a paper that has not yet been peer-reviewed that the virus was jumping between mink and humans. In Denmark, the government is describing a version of the virus that migrated from mink to humans.

The coronavirus mutates slowly but regularly, and a different variant of the virus would not, in itself, be cause for concern, experts have said.

Researchers have studied one mutation labeled D614G in the spike protein of the virus which may increase transmission. They concluded that there is no evidence so far that the particular mutation increases virulence or would affect the workings of a vaccine.

Denmark had already begun killing all mink at 400 farms that were either infected, or close enough to infected farms to cause concern.

The killing of all mink will wipe out the industry, perhaps for years.

Mink are in the weasel family, along with ferrets, which are easily infected with the coronavirus. Ferrets appear to suffer mild symptoms.

Mink, which are kept in crowded conditions ideal for spreading a virus, can become quite sick and die. Mink have been infected in other countries as well, including the Netherlands and some US states.

Thousands of mink were killed in Utah because of a coronavirus outbreak, but authorities there said there it did not appear that the mink transmitted the virus to humans, but the opposite.

Many conservation scientists have become concerned about the spread of the virus to animal populations, like chimpanzees, which are believed to be susceptible, although cases have not been identified yet. Groups of researchers are testing bats and pets and wild animals in the United States.

Researchers are also concerned about what occurs when the virus moves from one species to another and may acquire changes, or mutations.

While most such changes are not likely to be a problem for humans, there is always the chance that strains of the virus could become more infectious or more virulent.

Animal Protection Denmark, an advocacy group, recommended a long-term solution to the problem of mink and coronavirus: "The right decision would be to end mink farming entirely and help farmers into other occupation that does not jeopardize public health and animal welfare."

[Byline: 5.1.2e]

--

Communicated by:

ProMED-mail

<5.1.2e@promedmail.org<5.1.2e@promedmail.org>>

[Human infections with mink variants have already been identified in North Jutland during the early stages of COVID-19 epizootic in Denmark. According to a report submitted to the authorities on 18 Sep

2020 by SSI in cooperation with Copenhagen University, in June 2020 a "unique mink variant" spread from a mink herd in North Jutland to a nearby care center and a number of people associated with it. In the period 8 Jun to 16 Jul 2020, a total of 90 people with mink variant

COVID-19 were diagnosed in North Jutland. The mink variant was identified in several passengers of a travel company to Bornholm [a Baltic Sea island nearly 400 km (249 mi) southeast of North Jutland] where there was a secondary infection of at least one person. In addition, the mink variant was found to have spread to one or more persons in Croatia. The original report (in Danish) is available at <<https://www.ssi.dk/-/media/arkiv/dk/aktuelt/sygdomsudbrud/covid19/besvarelse-virkemidler-til-at-forebygge-smitte-mink-menneske.pdf?la=da>>.

Subsequently, Denmark has identified in minks several different SARS-CoV-2-related clusters. It is only "cluster-5" that shows decreased in vitro neutralisation when exposed to convalescent sera.

Only 12 people have been found with mink-related cluster-5, and all 12 were diagnosed in August-September [2020].

The following genomes of Denmark mink's SARS-CoV-2/mink are available in GenBank (thanks due to Herve Berkovier):

Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/mink/DK/KL14_Farm1/2020, complete genome Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/mink/DK/KL11_Farm1/2020, complete genome Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/mink/DK/AL64_Farm1/2020, complete genome Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/mink/DK/AL35_Farm3/2020, complete genome Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/mink/DK/AL25_Farm1/2020, complete genome Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/mink/DK/AL3_Farm1/2020, complete genome Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/mink/DK/AD40_Farm3/2020, complete genome Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/mink/DK/AD38_Farm2/2020, complete genome Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/mink/DK/AD37_Farm3/2020, complete genome Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/mink/DK/AD6_Farm1/2020, complete genome Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/mink/DK/AD4_Farm1/2020, complete genome Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/mink/DK/AD3_Farm1/2020, complete genome

In case the mutated sequences, especially cluster 5, have been deposited in GeneBank, their access numbers are requested. If not, they deserve becoming publicly available as soon as possible, given that yesterday [Wed 4 Nov 2020] the prime minister declared that the Danish outbreak with a mutated virus is of international concern. - Mods.EP/AS

HealthMap/ProMED-mail map:

North Jutland, Denmark: <<http://healthmap.org/promed/p/16381>>]

[See Also:

COVID-19 update (471): animal, Denmark, mink, zoonotic, eradication

<http://promedmail.org/post/20201104.7916300>

COVID-19 update (468): animal, Sweden, mink, 1st rep, OIE

<http://promedmail.org/post/20201103.7912846>

COVID-19 update (464): animal, Denmark, mink, control, One Health

<http://promedmail.org/post/20201101.7906484>

COVID-19 update (461): animal, Sweden, mink, 1st case, RFI

<http://promedmail.org/post/20201030.7903582>

COVID-19 update (458): animal, Italy, mink, RFI

<http://promedmail.org/post/20201028.7897986>

COVID-19 update (445): animal, Netherlands, Denmark, mink, spread, epidemiology <http://promedmail.org/post/20201019.7873326>

COVID-19 update (439): animal, Denmark, mink, spread, control

<http://promedmail.org/post/20201014.7861560>

COVID-19 update (437): animal, Netherlands, Denmark, mink, spread, control <http://promedmail.org/post/20201013.7858915>

COVID-19 update (433): animal, Denmark (ND, MJ) farmed mink, spread, control <http://promedmail.org/post/20201010.7851707>

COVID-19 update (430): animal, USA (UT) mink

<http://promedmail.org/post/20201009.7847704>

COVID-19 update (425): animal, Denmark (ND) farmed mink, spread, control <http://promedmail.org/post/20201004.7835635>

COVID-19 update (414): animal, Netherlands (LI), Denmark (ND), farm mink, spread <http://promedmail.org/post/20200925.7813579>

COVID-19 update (406): animal, Netherlands (LI), Denmark (ND), farm mink, spread <http://promedmail.org/post/20200918.7794239>

COVID-19 update (401): Netherlands (NB), Denmark, farmed mink, spread

<http://promedmail.org/post/20200914.7777661>

COVID-19 update (394): Netherlands (NB) animal, farmed mink, spread

<http://promedmail.org/post/20200908.7759382>

COVID-19 update (387): Netherlands, mink, animal & public health, research <http://promedmail.org/post/20200902.7740793>

COVID-19 update (382): Netherlands, animal, farmed mink, spread, control <http://promedmail.org/post/20200830.7730463>

COVID-19 update (376): animal, ferret, mink, comment

<http://promedmail.org/post/20200827.7721923>

COVID-19 update (366): animal, USA (UT) mink

<http://promedmail.org/post/20200818.7692815>

COVID-19 update (363): animal, Denmark (ND) Netherlands (NB, LI) mink, spread <http://promedmail.org/post/20200817.7687830>

COVID-19 update (340): animal, China, envir monitoring, Netherlands (NB), mink <http://promedmail.org/post/20200801.7635820>

COVID-19 update (334): animal, Netherlands, mink, spread, UK, cat, 1st rep, OIE <http://promedmail.org/post/20200727.7617582>

COVID-19 update (324): Netherlands (NB) animal, farmed mink, spread
<http://promedmail.org/post/20200719.7591013>

COVID-19 update (317): Netherlands (NB) animal, farmed mink, spread
<http://promedmail.org/post/20200716.7578453>

COVID-19 update (307): Netherlands (NB), Denmark (ND) farmed mink, spread, control <http://promedmail.org/post/20200708.7553067>

COVID-19 update (301): Denmark (ND) Netherlands (NB) farmed mink, spread, control <http://promedmail.org/post/20200703.7536980>

COVID-19 update (284): Denmark (ND) animal, farmed mink, spread, dog
<http://promedmail.org/post/20200624.7506728>

COVID-19 update (281): Netherlands (NB, LI) farmed mink, spread, animal, global <http://promedmail.org/post/20200623.7502849>

COVID-19 update (266): Denmark (ND) animal, farmed mink, 1st rep
<http://promedmail.org/post/20200617.7479510>

COVID-19 update (251): Netherlands (NB, LI) animal, farmed mink, spread, culling <http://promedmail.org/post/20200610.7453845>

COVID-19 update (248): Netherlands (NB, LI) animal, mink, spread, culling, cat <http://promedmail.org/post/20200609.7446478>

COVID-19 update (236): Netherlands (NB, LI) animal, farmed mink, spread, culling <http://promedmail.org/post/20200604.7427849>

COVID-19 update (230): Netherlands (NB, LI) animal, farmed mink, spread, control <http://promedmail.org/post/20200602.7420433>

COVID-19 update (215): Netherlands (NB) animal, mink-to-human, epidem., control <http://promedmail.org/post/20200527.7385049>

COVID-19 update (209): Netherlands (NB) farmed mink, animal-to-human, cat, epid <http://promedmail.org/post/20200525.7375359>

COVID-19 update (198): Netherlands (NB) farmed mink, animal-to-human infect susp <http://promedmail.org/post/20200520.7359976>

COVID-19 update (189): Netherlands (NB) animal, farmed mink, research, cat, dog <http://promedmail.org/post/20200517.7344274>

COVID-19 update (177): Netherlands (NB) animal, farmed mink, Spain
(CT) cat susp <http://promedmail.org/post/20200512.7328587>

COVID-19 update (174): Netherlands (NB) animal, farmed mink, comment
<http://promedmail.org/post/20200511.7323845>

COVID-19 update (169): Netherlands (NB) animal, farmed mink, spread, rabbit susp <http://promedmail.org/post/20200509.7316646>

COVID-19 update (154): Netherlands (NB) animal, farmed mink, research
<http://promedmail.org/post/20200503.7294846>

COVID-19 update (146): Netherlands (NB) animal, farmed mink, epidemiology <http://promedmail.org/post/20200501.7286113>

COVID-19 update (135): Netherlands (NB) animal, farmed mink <http://promedmail.org/post/20200427.7272289>

.....ep/arn/tw/ml

#####

ProMED makes every effort to verify the reports that are posted, but the accuracy and completeness of the information, and of any

statements or opinions based thereon, are not guaranteed. The reader assumes all risks in using information posted or archived by ProMED. ISID and its associated service providers shall not be held responsible for errors or omissions or held liable for any damages incurred as a result of use or reliance upon posted or archived material.

Donate to ProMED-mail. Details available at: <<https://isid.org/donate/>>

Visit ProMED's web site at <<https://www.promedmail.org>>.

Send all items for posting to: 5.1.2e@promedmail.org <5.1.2e@promedmail.org>.

Please include your name and email in order for your contribution to be posted.

You may subscribe/unsubscribe at <<https://isid.org/promedmail-subscribe/>>

#####

Dit bericht kan informatie bevatten die niet voor u is bestemd. Indien u niet de geadresseerde bent of dit bericht abusievelijk aan u is verzonden, wordt u verzocht dat aan de afzender te melden en het bericht te verwijderen. Het RIVM aanvaardt geen aansprakelijkheid voor schade, van welke aard ook, die verband houdt met risico's verbonden aan het elektronisch verzenden van berichten. www.rivm.nl <<http://www.rivm.nl>> De zorg voor morgen begint vandaag

This message may contain information that is not intended for you. If you are not the addressee or if this message was sent to you by mistake, you are requested to inform the sender and delete the message. RIVM accepts no liability for damage of any kind resulting from the risks inherent in the electronic transmission of messages. www.rivm.nl/en <<http://www.rivm.nl/en>> Committed to health and sustainability

Disclaimer

Dit bericht is strikt vertrouwelijk en alleen bestemd voor geadresseerde. Als u dit bericht per abuis hebt ontvangen, wordt u verzocht de afzender te informeren. Ook verzoeken wij u het bericht te vernietigen en de inhoud niet onder derden te verspreiden. GD sluit elke aansprakelijkheid uit voor directe of indirecte schade voortkomende uit het gebruik van (de inhoud van) dit e-mail bericht. GD te Deventer staat ingeschreven bij de kamer van koophandel als 'Gezondheidsdienst voor Dieren b.v.' onder nummer 08117636.

The content of this message is confidential and intended solely for the addressee. If you have received this e-mail in error, please advise us and delete it. You should not copy nor disclose its contents to any other person. GD excludes any liability whatsoever for any direct or consequential loss arising from the use of this e-mail or its contents. GD, whose office is in Deventer, is registered with the Chamber of Commerce as 'Gezondheidsdienst voor Dieren b.v.' under number 08117636.

Dit bericht kan informatie bevatten die niet voor u is bestemd. Indien u niet de geadresseerde bent of dit bericht abusievelijk aan u is verzonden, wordt u verzocht dat aan de afzender te melden en het bericht te verwijderen. Het RIVM aanvaardt geen aansprakelijkheid voor schade, van welke aard ook, die verband houdt met risico's verbonden aan het elektronisch verzenden van berichten. www.rivm.nl <<http://www.rivm.nl>> De zorg voor morgen begint vandaag

This message may contain information that is not intended for you. If you are not the addressee or if this message was sent to you by mistake, you are requested to inform the sender and delete the message. RIVM accepts no liability for damage of any kind resulting from the risks inherent in the electronic transmission of messages. www.rivm.nl/en <<http://www.rivm.nl/en>> Committed to health and sustainability

Dit bericht kan informatie bevatten die niet voor u is bestemd. Indien u niet de geadresseerde bent of dit bericht abusievelijk aan u is verzonden, wordt u verzocht dat aan de afzender te melden en het bericht te verwijderen.

De Staat aanvaardt geen aansprakelijkheid voor schade, van welke aard ook, die verband houdt met risico's verbonden aan het elektronisch verzenden van berichten.

This message may contain information that is not intended for you. If you are not the addressee or if this message was sent to you by mistake, you are requested to inform the sender and delete the message.

The State accepts no liability for damage of any kind resulting from the risks inherent in the electronic transmission of messages.