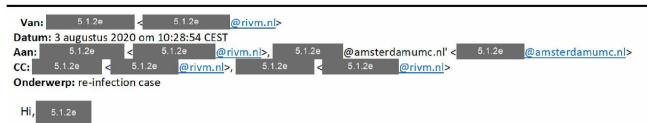
To: 5.1.2e [From:	5.1.2e	@rivm.nl]	5.1.2e	@rivm.nl];	5.1.2e	@amsterdamumc.r	ן <mark>"ן</mark> 5.1.2e	@amsterdamumc.nl]; 5.12e
Sent: Subject: Received: Herinfection		e-infection of		РМ				
Yes, in total we have 3 cases. Rotterdam has a fourth that they want to describe by themselves in a ECDC call on Thursday. I added the phylogenetic tree that was made last week with our three cases in red. Shows clear distinction of all 6 different strains evidence (combined with the clinical story) for reinfection.								
ETZ up.	5.1.2e	O	n a case rep	port from thei	ir patient	and the 3 case is bo	eing added to	o it. So it is being written
Cheers,								
5.1.2e								
To:	5.1.2e nday, 31 Aug 5.1.2e ; RE: Antw: re-	5.1.2e	@amster	rdamumc.nl';	5.1.2e			
	to ask abo	ut the foll				our weekstart thi shing it as a case		Are there any news on it?
All the 5.1.2e								
		5.1.2e Public Health	and Environ	nment (RIVM)				
Antonie van	Leeuwenhoek 5.1.2e 5.1.2e .2e <u>@rivm.r</u>	laan 9 3720		The Netherlands				
To: Cc: 5.	5.1.2e August 2020 5.1.2e 1.2e < Antw: re-infe	10:35 < 5.1.2e		orivm.nl> vm.nl>; 5.1. 5.1.2e	.2e @a < 5.1.	msterdamumc.nl' < ^{2e} @rivm.nl>	5.1.2e @	amsterdamumc.nl>
Hi 5.1.2		e sequence	s and the m	etadata for thi	s case at th	ne moment. As soon	as we know m	nore he will let us know.
Cheers,								
5 1 20								



Thanks for the overview of the re-infection case this morning. Please keep us updated on it.

A few thoughts on it:

- -Was it only nasal/oropharyngeal swabs that were taken? It would be very interesting to see whether it is replication in the upper vs the lower respiratory tract. That's to say was the infection ongoing twice at the same location, or for example once with lung involvement and once with predominantly upper respiratory tract involvement/mild symptoms? Did they collect by chance sputum? Have you thought about the possibility of two ongoing SARS-CoV-2 infections at two separate sites?
- -Are there any other sample types available? For example, feces?
- -Would the patient be willing to be sampled further now? It's been two weeks, so seeing if /which virus RNA (from May or July) can be detected from feces, would also be interesting and important to clarify the clinical course.

We wrote a diagnostic review on the SARS-CoV-2 PCR assays in different samples types with only and the colleagues from EMC a few months ago, so I still have a database on a lot of the publications.

Please let me know, if you need any help untangling this case. It looks like it is pretty urgent to analyse it.

Kind regards, 5.1.2e

5.1.2e 5.1.2e 5.1.2e

National Institute for Public Health and Environment (RIVM)

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