

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Mon, 3 Feb 2020 02:10:49 +0000
To: Cassetti, Cristina (NIH/NIAID) [E]
Subject: FW: Homozygous for Alpha-1 antitrypsin and coronavirus?

Please handle.

From: Ulrica Mölsted [REDACTED] (b) (6) >
Sent: Sunday, February 2, 2020 9:07 PM
To: Fauci, Anthony (NIH/NIAID) [E] [REDACTED] (b) (6) >
Cc: Ulrica Mölsted [REDACTED] (b) (6) >
Subject: Homozygous for Alpha-1 antitrypsin and coronavirus?

Hi!

I read that you are an expert working for NIAID and that you got interviewed about treatments for the coronavirus.

I am a Swedish physician specialized in clinical chemistry. [REDACTED] (b) (6) and wanted to share a hypothesis I have. I believe that some patients who are seriously ill in corona virus (or flue/SARS) with lung symptoms have a lack of normal/well functioning Alpha-1-antitrypsin for example PiZZ. Alpha-1 antitrypsin is an acute phase reactant and increases in sick people. I have seen that the Alpha-1-antitrypsin level can be elevated in a severely ill person (H1N1) if measured in a laboratory, even though the patient was homozygous for mutations in the Alpha-1-antitrypsin gene. An elevated level of Alpha-1 antitrypsin is misleading and can result in the physician believing that there is nothing wrong with the patients function of Alpha-1-antitrypsin.

[REDACTED] (b) (4)
[REDACTED]
[REDACTED]

I also guess that critically ill ECMO-treated patients with lung symptoms might benefit from receiving Alpha-1 antiprotease inhibitor in addition to other medications given to them. What do you think?

I believe that this information can contribute in understanding why some supposedly healthy individuals gets really sick and even die in corona virus, flue/H1N1 or SARS. [REDACTED] (b) (4)

[REDACTED]
[REDACTED]
[REDACTED]

I would appreciate if you replied shortly to me so that I know that my e-mail has been read.

Best regards, Ulrica Molstad, M.D.