From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Tue, 3 Mar 2020 13:52:17 +0000
To: Cassetti, Cristina (NIH/NIAID) [E]
Subject: FW: Possible treatment of COVID-19 pneumonia

Pls respond

Anthony S. Fauci, MD
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From: Paul Tone, MD (b) (6)>
Sent: Monday, March 2, 2020 11:10 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Subject: Possible treatment of COVID-19 pneumonia

Dear Dr. Fauci,

Nitric Oxide (NO) has been shown to contribute to the pathogenesis of influenza virus-induced pneumonia in mouse model (Zablockiene et al., 2012).

Zablockiene B, Ambrozaitis A, Kacergius T, Gravenstein S. Implication of nitric oxide in the pathogenesis of influenza virus infection. Biologija 2012; 58(1): 15-25.

NO overproduction in influenza virus pneumonia results from a sustained stimulation of inducible Nitric Oxide Synthase (iNOS) (Akaike et al., 1996).

Akaike T, Noguchi Y, Ijiri S, Setoguchi K, Suga M, Zheng YM, Dietzschold B, Maeda H. Pathogenesis of influenza virus-induced pneumonia: involvement of both nitric oxide and oxygen radicals. Proc Natl Acad Sci U S A. 1996 Mar 19; 93(6):2448-53.

NO overproduction in influenza virus-induced pneumonia can generate highly reactive oxygen species, peroxynitrite, via radical coupling reaction of NO with superoxide