Twitter Thread by intelligence Drops

intelligence Drops
@IntelDrops

Sufficient niacin supply: the missing puzzle piece to COVID-19, and beyond?

Dmitry Kats, Ph.D., M.P.H.*

*** Correspondence: Dr@DmitryKats.com**

FULL MANUSCRIPT BELOW

Abstract: Definitive antiviral properties are evidenced for niacin, i.e., nicotinic acid (NA), as coronavirus disease 2019 (COVID-19) therapy for both health restoration and prevention, to the level that progression of COVID-19 pathology may follow as an intrinsic function of NA

supply. This detailed investigation proposes thorough disentanglement of how the downstream inflammatory propagation of ensuing severe acute respiratory virus 2 (SARS-CoV-2) infection can either be prohibited or reversed upstream out the body to expeditiously restore health with

well-tolerated dynamic supplementation of sufficient NA (i.e., ~1-3 grams per day). Culmination of this research leads to realization of the potentially ubiquitous therapeutic and preventive powers of NA against inflammatory disease, in general.

Despite continued intensive efforts to mitigate the spread and burden of coronavirus disease 2019 (COVID-19) in populations, implications for the future remain unclear. Encouraging nonetheless is the vast understanding of the disease gained as a result of the unprecedented level

of collective rigor dedicated by scientists across the globe. Synthesis of the recent advancements made from such accelerated investigation augurs particularly dynamically supplied, sufficient dosage of immediate-release nicotinic acid (NA) as a strikingly promising therapeutic

antiviral agent to overcome pending challenges.

Motivation for this original investigation into specifically NA supply as COVID-19 treatment was sparked by deduction of the possibility that the counterintuitive link so dramatically and consistently observed (see @phil_w888's page) of

(cigarette/tobacco-nicotine) smoking

against ensuing severe acute respiratory virus 2 (SARS-CoV-2) infection may be explained by the fact that nicotine is oxidized into NA during the combustion process (at a rate of ~60 mg/day for a pack-a-day smoker) [1].

1.
https://t.co/PEhONXdY8D

Further, elucidation following extensive review of the developing relevant literature points to an exclusive ability for sufficiently supplied NA (upon which the human species continues dynamically to be thoroughly deficient through diet)—through its unique, intricate,

endothermic biochemical processing—to induce a thermodynamic flush response that appears to be mechanistically capable of reversing/restoring health from, and/or protecting against an assortment of inflammatory-induced diseases of acute and prolonged nature, such as COVID-19.

In turn, this may also explain the consensus body of relevant literature evidencing potent therapeutic and/or protective properties for sufficient dosage of immediate-release NA across the disease spectrum, including but not limited to demonstrated successful application against:

cardio-metabolic/vascular conditions [2-13],

2.
https://t.co/8rxHM3n7a6

3.
https://t.co/CZvGy26eBu

4.
https://t.co/rDqyftDdoH

5.
https://t.co/ea6UZlAmgC

6.
https://t.co/SQ5KdPTNMz

7.
https://t.co/wAF8TpH1YF

8.
https://t.co/8Ce2Jzkv4J

9.
https://t.co/OUDv2lIg1e

10.
https://t.co/2rhLhweTmc

11.
https://t.co/SVo7zPDxMT

12.
https://t.co/N3LxcPusOw

13.
https://t.co/s6GcrsBlZs

arrhythmia/thrombosis [14-17],

14.
https://t.co/Yd1l8ohXJe

15.
https://t.co/y6fnsR4D40

16.
https://t.co/nkbz4tyjaT

17.
https://t.co/iTmD8Z4LdJ

hepatic as well as renal function [3,18],

3.
https://t.co/CZvGy26eBu

18.
https://t.co/9gxY0cQdIX

pulmonary/lung injury [19],

19.
https://t.co/JgmKGaKmHC

viral/infectious diseases including influenza [20-22]

20.
https://t.co/EqyqJKq1BJ

21.
https://t.co/FKLEj5sYZw

22.
https://t.co/kpG0U2vKFm

and retroviruses like HIV/AIDs [23-26]

23.
https://t.co/d58DAM88q1

24.
https://t.co/uZ9x2RSHqc

25.
https://t.co/giGJ5qU6uv

26.
https://t.co/JPCoxeApxx

as well as tuberculosis [27],

27.
https://t.co/Sfs55oUoiW

cancers [28-31],

28.
https://t.co/7iAqZ4ZAW5

29.
https://t.co/tJ2a2BvqPd

30.
https://t.co/VibTLjGUzk

31.
https://t.co/JkGfYuYZKO

thyroid-related disease [32,33],

32.
https://t.co/zhl3noVrJN

33.
https://t.co/ONYf424Sm5

arthritic conditions [34],

34.
https://t.co/SxrWjhJ2L1

neurodegeneration/dementia/aging [35-41],

35.
https://t.co/GzJAezdb8b

36.
https://t.co/Nut6Kcczj9

37.
https://t.co/eXaSocerEE

38.
https://t.co/sK94Gt9zmU

39.
https://t.co/Cq4TxcUtJu

40.
https://t.co/qLk1QYtVBu

41.
https://t.co/nqFbRsYmWG

auto-immune disorders [37,42],

37.
https://t.co/eXaSocerEE

42.
https://t.co/B2JAxh0DFv

birth defects [43]

43.
https://t.co/JJZdQT4YVB

and pre- or post-natal induced impairment of immune and neurodevelopmental function [44,45],

44.
https://t.co/6OzCDPbwc6

45.
https://t.co/xUqhLmeW51

mental health disorders [46-49],

46.
https://t.co/LpESkUHO6l

47.
https://t.co/cQy54wXHHY

48.
https://t.co/EWyYzSCYWS

49.
https://t.co/OXDZG4RgQ3

mast cell conditions [50,51],

50.
https://t.co/6BFTTMOTtO

51.
https://t.co/kcF7dc9q0g

genetic disorders [43,52,53],

43.
https://t.co/JJZdQSNo43

52.
https://t.co/p3YzYz7sWe

53.
https://t.co/n7qzprgNUc

asthma [54],

54.
https://t.co/F2x9hKMH6X

dermatitis/eczema/psoriasis [55-60],

55.
https://t.co/AJqsFhaMZf

56.
https://t.co/c5R7NUIixz

57.
https://t.co/VpSmwv7EBW

58.
https://t.co/e1Oyh17hlY

59.
https://t.co/mAwW8dZaSS

60.
https://t.co/VE5S780TUn