

# COVID-19, Nitric Oxide And BloodFX

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- Nitric Oxide Inhibits the Replication of The Coronavirus (invitro)

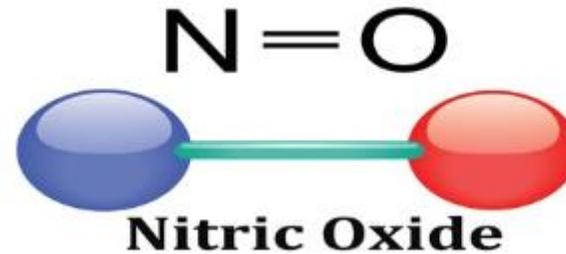
- Nitric Oxide was shown to be effective in inhibiting the replication of the coronavirus
  - (Journal of Virology February 2005)
  - On March 20, Bellerophon Therapeutics received emergency expanded access to use its inhaled nitric oxide delivery system, INOpulse, to treat COVID-19.

**There are two ways to deploy nitric oxide against COVID-19**

1. Supplementation to produce nitric oxide in the body (BloodFX)
2. Inhaled nitric oxide at the hospital (for advanced cases)



# What is nitric oxide (NO) 1 nitrogen + 1 oxygen



## What is Nitric Oxide



- It is a gas **produced in the gut and the endothelium** - a single layer of cells lining the inside of blood vessels.
- Nitric oxide causes blood vessels to dilate and regulates blood pressure. High blood pressure is associated with increased mortality from COVID-19.
- Diminished NO production is associated with aging (most deaths are in people over 50)

## NY ICU Doctor Sidell

01

Dr. Sidell believes ventilators are not the answer (nothing is wrong with patients breathing muscles.) The problem is oxygen deficiency and constricted blood vessels.

02

Dr. Sidell describes COVID-19 patients as from hypoxic; dying from oxygen deficiency. A treatment protocol is inhaled nitric oxide plus inhaled oxygen.



**As nitric oxide production declines blood pressure increases and less oxygen is delivered to the tissues.**

# How Nitric Oxide Can Help

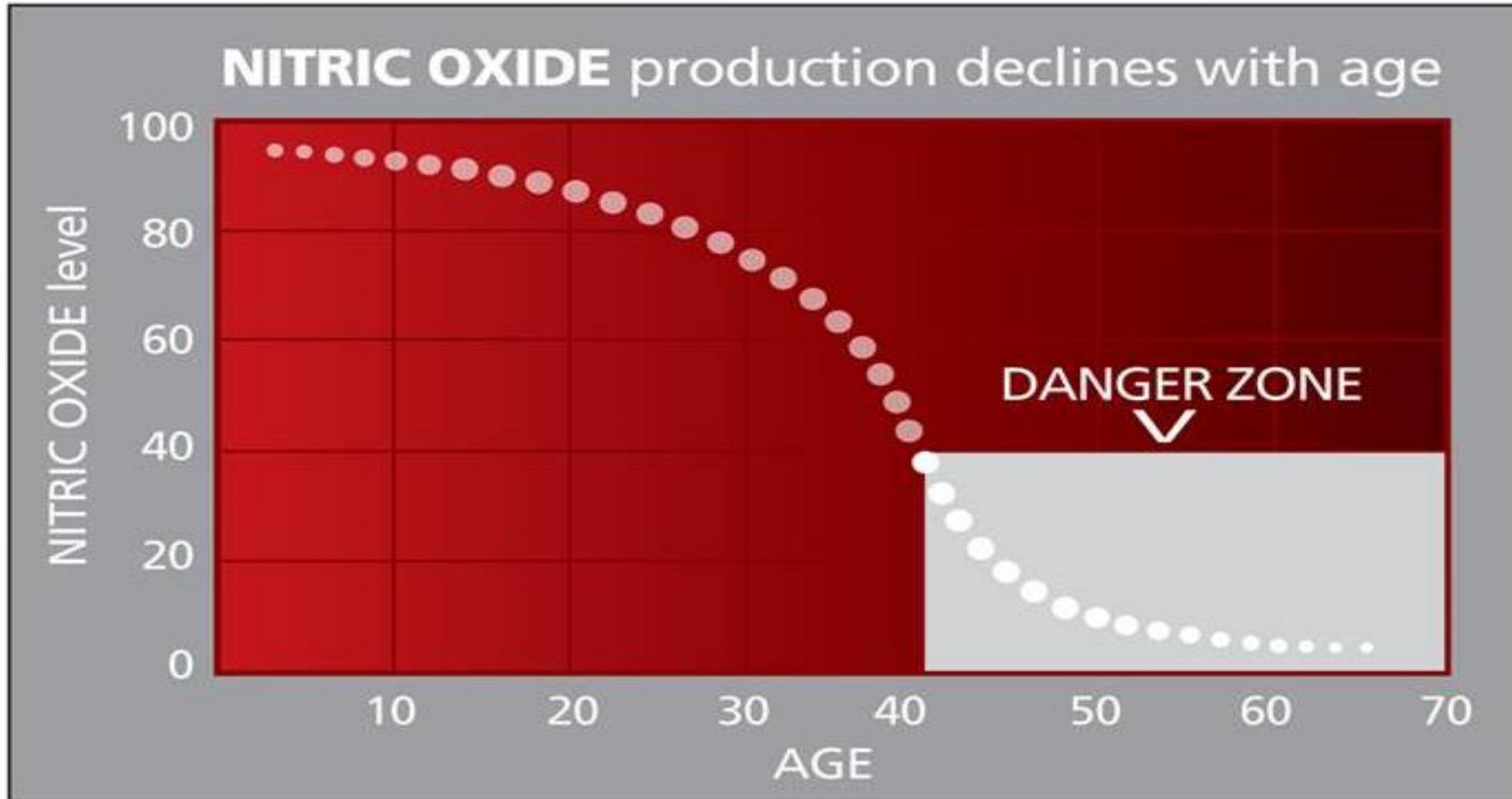
When lungs are failing, air is received by some parts of them but not others. Nitric oxide is a gas that improves blood flow in areas of the lungs that are getting air, increasing the amount of oxygen in the blood stream.

Nitric oxide also reduces the workload of the right side of the heart, which is under extreme stress during lung failure.

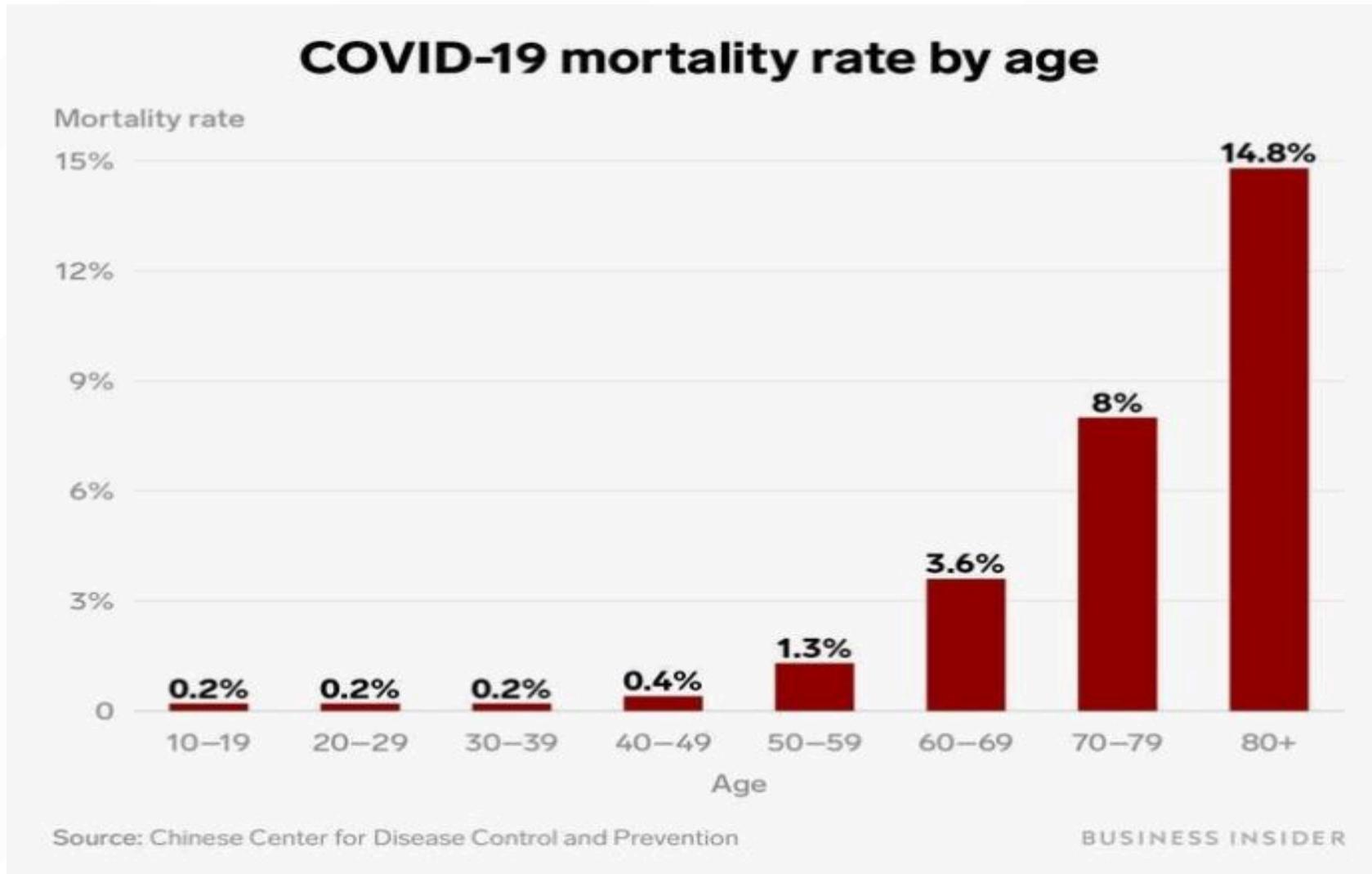
Along with being used to treat failing lungs, nitric oxide has been found to have antiviral properties against coronaviruses. That was shown during the 2002-2003 SARS outbreak, which was caused by a coronavirus similar to the one that causes COVID-19.

In humans, nitric oxide is generated within the blood vessels and regulates blood pressure and prevents the formation of clots and also destroys potential toxins. There are two ways to deliver nitric oxide; either as a preventative by supplementing or as a gas as a rescue therapy in the hospital.

# Nitric Oxide Declines with age

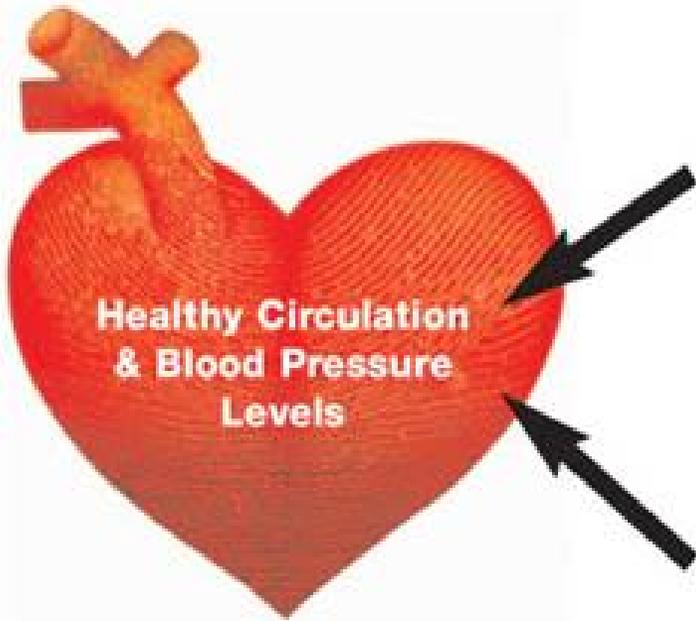


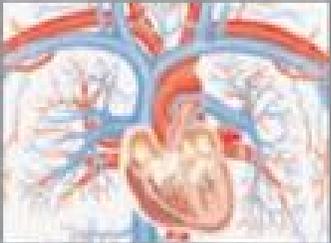
# The Death Rate From COVID-19 Increases With Age



# Two Pathways That Produce Nitric Oxide In The Body

## The Nitric Oxide Pathways



Pathway	Increased with	Affected by age?
<b>Intake from salivary glands</b> 	<b>Healthy diet having NO potential</b> 	<b>No</b>
<b>Produced by endothelium</b> 	<b>Regular exercise</b> 	<b>Yes</b> Endothelial production declines to 50% of what one needs by age 40. Even exercise cannot restore it all.

# The BloodFX Three-Pronged Action Defense

**Rev Up Your Twin Engines Of Oxygen Delivery Then Blast Pathogens With An Antiviral**

**1-Increase Oxygen To Tissues - Organic Fermented Beet Root Powder**

**2 –Increase Oxygen To Tissues - Organic Asian Mango Powder**

**3 – Increase Antiviral Action - Standardized Punicalagins From Pomegranate**



# Supplementing To Increase Nitric Oxide (NO)- BloodFX's twin engines



## **Organic mango powder** Enhances Blood Vessel Production of NO

- Made from a special type of Mango, *Mangifera indica*
- 100% pure mango fruit powder that is low in sugar.
- In vitro and human studies demonstrated that Careflow **activates key metabolic enzymes:**
  - SIRT1 protein, which extends life span and delays aging; and
  - Endothelial nitric oxide synthase (eNOS), which supports circulation and endothelial function.



## **Organic fermented beet root** Enhances Gut Production of NO

- Fermented beets are made more bioavailable through fermentation — plus it produces the beneficial bacteria and enzymes.
- Supports healthy blood pressure as it contains nitrates that are vasodilators.
- Improves endothelial dysfunction and the other ED, erectile dysfunction. This leads to healthier blood vessel flow. Healthier blood vessel flow improves erections. Improves athletic performance by boosting your stamina and muscle blood flow and recovery.

# The Elite Antioxidant and Antiviral: Punicalagins From Pomegranate

**Pomegranate** showed **antiviral** action against many viruses: influenza, human immunodeficiency virus (HIV), herpes simplex virus (HSV), and adenoviruses in multiple studies. Oxidized low-density lipoprotein (LDL) is a harmful type of cholesterol produced in your body when normal LDL cholesterol is damaged by free radicals. This causes inflammation leading to hardening of the arteries. The resulting decrease in blood flow increases your chances of a heart attack.



## Punicalagins From Pomegranate

- Protects the cardiovascular system:
  - Prevents damage to arterial walls
  - Promotes healthy blood pressure levels
  - Improves blood flow to the heart, and
  - Prevents or reverses atherosclerosis.
- Is a significantly more potent antioxidant than red wine, green tea, and other fruits.
- At **Python Protocol**, we use **300 MCG** of the highest quality Pomegranate extract which is the **minimum effective dose** – and because it is expensive most other supplements use far less.



# How is Nitric oxide increased?

1

Nitro-glycerine -  
Short acting, causes  
headaches

2

Viagra, Cialis, Levitra  
(originally designed as  
blood pressure  
medicine; side effect  
was erection)

3

Minoxidil (originally  
designed as blood  
pressure medicine; side  
effect was hair growth)

4

Diet – green leafy  
vegetables or beets  
chewed 30 times;  
juicing is not effective  
due to brief time of  
exposure to mouth  
bacteria

5

**Inhaled Nitric Oxide  
and Oxygen at the  
hospital**

6

**BloodFX Supplement**

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# THANK YOU.

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