

## Vitamin C in high intravenous doses for COVID-19

Recently, I reviewed the literature concerning the treatment of COVID-19 patients by vitamin C in high intravenous doses.

I consulted with the experts – Dr. Alpha A, (Berry) Fowler, III [alpha.fowler@vcuhealth.org](mailto:alpha.fowler@vcuhealth.org) and Dr. Neil Riordan [nhriordan@gmail.com](mailto:nhriordan@gmail.com).

Finally, I developed a simple protocol:

**For every COVID-19 diagnosed patients, as early as possible**

**1st day: sodium ascorbate 25 g in 250 ml of sterile water during 1 h**

**2nd day: sodium ascorbate 50 g in 500 ml of sterile water during 1,5 h**

**For ICU COVID-19 patients**

**For 7-10 days: sodium ascorbate in sterile water 25-100 g/24 h in divided doses every 6 h**

I tried to contact Dr. Enqiang Mao in Shanghai [maoeg@yeah.net](mailto:maoeg@yeah.net), who promised to send me his protocol, then he stopped to answer to my e-mails.

Dr. Mao stated that his group treated ~50 cases of moderate to severe cases of Covid-19 infection with high dose IVC. The IVC dosing was around 10,000 mg – 20,000 mg a day for 7-10 days, with 10,000 mg for moderate cases and 20,000 for more severe cases by the pulmonary status (mostly the oxygenation index) and the coagulation status. All patients who received IVC improved and there was no mortality. Compared to the average of 30-day hospital stay for all Covid-19 patients, those patients who received high dose IVC had a hospital stay that's about 3-5 days shorter than the overall patients. Dr. Mao discussed one severe case in particular who was deteriorating rapidly. He gave a bolus of 50,000 mg Vit C IV over a period of 4 hours. They watched the patient's pulmonary (oxygenation index) status stabilizing and improving in real-time. There were no side effects reported to all the cases treated with high dose IVC.

<http://www.drwlc.com/blog/2020/03/18/hospital-treatment-of-serious-and-critical-covid-19-infection-with-high-dose-vitamin-c/>

[https://www.youtube.com/watch?time\\_continue=78&v=54D62zap67c&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=78&v=54D62zap67c&feature=emb_logo)

<https://www.youtube.com/watch?v=NBbbncTR-3k>

I received the following information from Dr. Richard Cheng [richzc@gmail.com](mailto:richzc@gmail.com) :

1. I'd treat any covid-19 patients as soon as possible, there is no need to wait until the patient goes into moderate to critical condition to start IVC.
2. I'd start patients on 30-60 grams IVC on Covid-19 patients.
3. Repeat until the conditions have significantly improved. Usually it may take 7-10 days.

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Medical Director

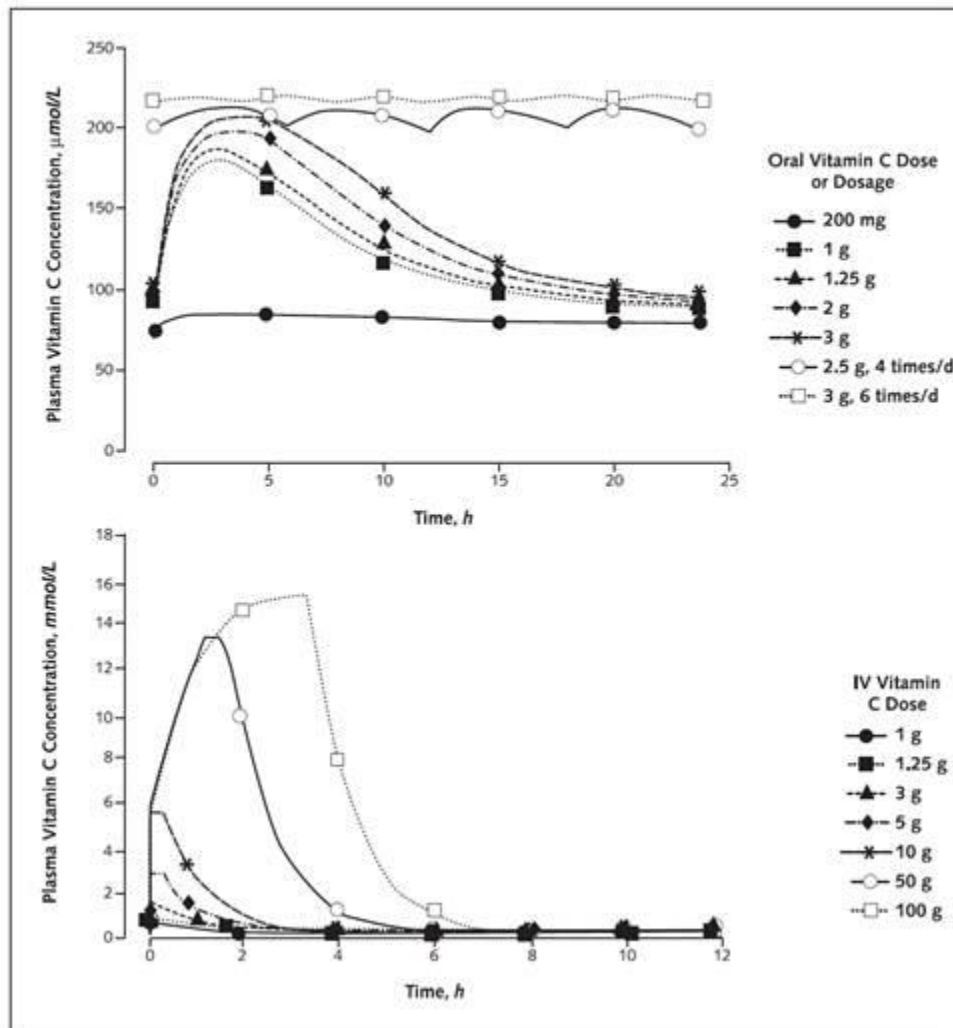
Doctor's Weight Loss Center, LLC

Columbia, Charlotte and Myrtle Beach

Bibliography which justifies the use vitamin C in high intravenous doses in COVID-19 patients:

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Figure 2. Predicted plasma vitamin C concentrations in healthy persons after oral (top) or intravenous (IV) (bottom) administration of vitamin C.



[https://www.researchgate.net/publication/8632637\\_Vitamin\\_C\\_Pharmacokinetics\\_Implications\\_for\\_Oral\\_and\\_Intravenous\\_Use](https://www.researchgate.net/publication/8632637_Vitamin_C_Pharmacokinetics_Implications_for_Oral_and_Intravenous_Use)

Lectures:

1. Stop ARDS Now with ASCORBIC ACID <https://www.evolutamente.it/stop-ards-now-with-ascorbic-acid/>
2. Vitamin C for the Treatment of Coronavirus (COVID-19) <https://isom.ca/vitamin-c-coronavirus/>
3. The Riordan IVC Protocol [https://riordanclinic.org/wp-content/uploads/2018/06/7a-PART-2-The-Riordan-IVC-Protocol\\_c.pdf](https://riordanclinic.org/wp-content/uploads/2018/06/7a-PART-2-The-Riordan-IVC-Protocol_c.pdf)

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