

Could Immunity Boosting Therapy help COVID-19 Patient?

Kieu C D Nguyen^{1*}, Mario G Balzanelli², Pietro Distratis³, Rita Lazzaro³, Orazio Catucci³, Angelo Cefalo³, Davide Palazzo³, Giuseppe D Angela³, Felice Amatulli³, C Isacco Gargiulo³, Diego Tomassone⁴, Sergey Aityan⁵ and Van H Pham⁶



¹American Stem Cells Hospital JSC and Human Stem Cells Institute (HSC), Vietnam

²SET-118, Department of Pre-hospital and Emergency S Giuseppe Moscati Hospital, Italy

³SET-118, Department of Pre-hospital and Emergency S Giuseppe Moscati Hospital, Italy

⁴Nutri Therapy Research Center, Italy

⁵Department of Multidisciplinary Research Centre, Lincoln University, USA

⁶International Gene and Immunology Institute and Nam-Khoa Biotek, Vietnam

***Corresponding author:** Kieu C D Nguyen, Department of Pre-hospital and Emergency - S. Giuseppe Moscati Hospital, Taranto City, 74100, Italy and American Stem Cells Hospital JSC. and Human Stem Cells Institute (HSC), Ho Chi Minh City, 70000, Vietnam

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ABSTRACT

The SARS-CoV-2 and other members of the same coronavirus family from Wuhan, China in late December 2019 or the coronavirus disease 2019 (COVID-19) pandemic is a challenge for global healthcare systems in this decade. The combination of using antiretroviral therapy and antibiotics in pneumonia inflammation and immunity boosting therapy in this case reports successfully could help COVID-19 patient.

Keywords: SG Moscati Hospital; 118 Pre-Hospital Medical System-Emergency Department; COVID-19, Sars-CoV-2

Case Report

In Feb 22, 2020, 58 years old American -Vietnamese oversea woman living in San Jose, California, United States of America, with her husband and their daughter attended a birthday party of forty people. She got sick after 5 days. She felt shudders in her body, tired with fever 39°C and nausea, dry cough, malaise, dyspnea and respiratory distress, shortness of breath, headache, sore throat, fatigue and loss of taste. Her condition was not improved even she took some pills of Tylenol. She had not severe underlying medical condition like heart or lung disease or diabetes. She and her husband both had immunity boosting by multi - vitamin therapy such as injection of Vitamin B, D, K, and laroscorbine infusion in January 2020 at Ho Chi Minh city, Vietnam. On March 06, 2020 in Kaser Permanent hospital, she was isolated in emergency room for blood analysis and the tampon throat swab buffer (oral -

nasal-pharinx by RT-PCR) obtained from this patient test positive for SARS nCoV after two days. The symptoms associated with acute respiratory distress was confirmed by x ray result positive that showed inflammation in her both lungs. She was transmitted to pneumonia department and treated with antiviral agents, antibiotics for respiratory infection, and supportive therapies.

This therapy strategy consisted of targeting viral and bacterial infection. Her fever disappeared after 2 days on March 08, 2020 and she was quickly recovered and discharged from hospital after four days. She was completely recovered in the end of March 29, 2020 without coughing, no more nausea, taste returned on all food. Her husband 68 years old who was with her in that party had no symptoms of illness and did not test for Covid-19. He got ordered to be self-quarantined in their house for 2 weeks. On June 18, 2020

he did blood test and result of Negative for CoVID-19 Ab, IgG (CoVID-19 Ab, Interpretation) Not detected. Her daughter 28 years old who was her in that party had mild fever and got some pills of Tylenon for 2 days. Her grandson 3 years old got mild fever and treated with Tylenon for 2 days. Her daughter and her grandson got themselves quarantined at her daughter's house in 2 weeks without hospitalization. Her son in law 35 years old who lives with her daughter and her grandson, had no symptom and got himself quarantined at her daughter's house in 2 weeks without hospitalization.

Medication

The treatment was based on the use of Cefpodoxime (VANTIN) 200 mg, Doxycycline Monohydrate (AVIDOXY) 100 mg, Kaletra

(Lopinavir and Ritonavir), Ritonavir (NORVIR) 100mg and Prezista (DARUNAVIR) 600mg high flow oxygen therapy and high restrictive fluid management.

Conclusion

In general, the X-Ray or CT scan resulted to be more accurate than the swabs, considered sign for an immediate hospitalization in specific departments before developing more complications from COVID-19 illness. The majority of the suspected COVID-19 healthy patients were promptly treated successfully with the combination of using antiretroviral therapy and antibiotics after 5 weeks with relieved symptoms.

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