

Case Study

Role of Coroprotect Kit for Management of Covid 19: A Prophylaxis Case Study Report

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Abstract

Globally Sars-Cov2 virus but with variety of Mutation like from Gamma to Delta, Delta to Omicron and at present in few country mixed Delta + Omicron cases found. At present pandemic condition needs a prophylaxis treatment against COVID-19. Drugs discoveries from Ayurvedic and phytoconstituents are working on interventions to combat COVID-19 infection. The purpose of the study was to evaluate preventive action (prophylaxis) of proposed intervention in around 500 healthy subjects with negative RT-PCR test, who have been administered with Coroprotect kit to explore the preventive potential of the intervention. Considering evidences from past research on Coroprotect kit together with the incidence of Positive RT-PCR rate in 500 subjects it can be concluded that Coroprotect kit could be a primary option to boost immunity against covid-19 and fight against infection. Surely the phytoconstituents based composition of Coroprotect kit holds promise to patients and healthcare stakeholders as safe and efficacious intervention in Covid 19 as prophylaxis and therapeutic as well.

Keywords

COVID-19, SARS-Cov-2, Ayurvedic, Phytoconstituents

1. Introduction

The Covid -19 has so far affected 250+ countries and 31 territories around. According to WHO prevalence report there are globally, covid waves and cases with new variant again and again increased. In few countries, even after vaccination, new variant of SARS-COV-2 cases increased globally, though death are under control but can't underestimate about future wave. Despite standard treatment, 10% of

the patients' progress to moderate stage out of which 5% deteriorate to severe stage. There is around 1-2% mortality rate in Covid -19 patients.

At present in our country, prophylaxis treatment of Covid -19 is not available. Drug discoveries community is working on herbal source-based medicine to prevent subjects from COVID-19 infection (Sahebnaasagh et al., 2020). Coroprotect kit proven for its prophylaxis and adjuvant therapy in mild to moderate covid-19 positive patients.

2. Importance of Prophylaxis Treatment

Early responsive or preventive treatment for COVID-19 to reduced rate of incidence and help to avert progression to more serious illness, especially for patients at high risk of infection progression and severe illness, with the additional benefit of reducing the burden on healthcare systems.

This presents condition required a research-based Ayurvedic formulation with phytoconstituents with high quality which could provide, antiviral, immune-modulatory, and anti-oxidant effect. Gplife Healthcare Pvt. Ltd. has emerged with phytoconstituents based herbal formulations Coroprotect Kit. Therefore, the purpose of the study is to evaluate incidence rate of Positive RT-PCR in 500 subjects having intervention and its ability to boost immunity against covid-19 and fight against infection. Surely the phytoconstituents based composition of Coroprotect Kit holds promise to patients and healthcare stakeholders as safe and efficacious intervention in Covid 19 as prophylaxis and therapeutic as well.

3. Case Presentation and Methodology

Total 500 subjects were recruited with RT-PCR Negative and having normal health, including male and female, provided consent and received Coroprotect treatment were considered for this study. The subject's data at baseline like symptom were recorded; RT-PCR test results were recorded. Periodically each day symptom gradation was checked. Up to 7th day RT-PCR test results were recorded.

4. Clinical Outcomes

The subjects from age group 18-65 were recruited in the study. Out of the subject size of 500, 72% were male and 28% females were recruited. All subjects were RT-PCR negative subjects at baseline received treatment in dose of 2 tablets of Coroprotect Tab twice a day and 10 ml Coroprotect dry syrup thrice a day for at least till the final assessment i.e. average day 7 of treatment. All the subjects were asymptomatic.

Out of the subject size of 500, only 11 subjects turn RT-PCR positive at day 7 which is only 2% of total population. There were only 4 subjects represents symptoms from positive people and other was still asymptomatic till day 7 which was only 0.75% of total population. Following are the details of RT-PCR results and symptoms status from baseline to day 7 of treatment. There were 496 subjects remain asymptomatic till day 7 which was more than 99%

Table 1. Changes RT-PCR Results and Symptoms Status in Subjects from Baseline to Day 7th of Treatment

Parameter	Baseline	Day 7
RT-PCR Positive subjects	0	11
Symptomatic Subjects	0	4
Asymptomatic Subjects	0	496

There was 100% tolerability and compliance to the investigational product.

5. Discussion and Conclusion

It can be concluded that Coroprotect kit have its preventive role against Covid 19 infection as a frontline option. The mechanism and benefits represented by Coroprotect is due to its key ingredients and the technology implemented and quality maintained. Following are the already studied evidences of the ingredients used. Shilajit is reported to possess activities like disease resistance, improve immune system function (Musthafa et al., 2016).

Shilajit and Tulsi extract are known to immune modulatory activity which can contribute to the acquired immunity of the subject (Gautam, Gautam, Chhetri, & Bhattarai, 2020). Shilajit, Tulsi, Ashwagandha and Guduchi extracts are shown beneficial role in immune-regulation with reduce incidence of infection due to its antiviral activity (Alsuhaibani & Khan, 2017; Vetvicka & Vetvickova, 2011).

Azadirachta indica and Turmeric extract as a key ingredients of investigational product are known to be antiviral as well as potential immunomodulatory (Shah, Gunjal, & Juvekar, 2009; Shanmuga Subramanian, 2020).

Immunity is body natural ability to fight against foreign material and prevent host from infection. Immunity work on two-line ways first immediate responds and last for short duration which is innate immunity and second is antigen dependent/specific immunity which last for longer duration also has capacity to store memory to fight in case of reinfection (Marshall, Warrington, Watson, & Kim, 2018; Ali, Al-Shawi, & Habib, n.d.).

It is concluded that Coroprotect can able to developed innate immune response in subjects before it uses subjects as host and sustained in body by blocking possible pathways of infection, intervention stop an infection before it begins (Mohammad, Nayem, Mohammad, Md. Abdus, & Ashraful, 2020).

Presenting data represents prophylaxis action of intervention by activating or boosting body innate immune response towards infection and stop it at initial level so it can stop before it reaches to severe level. It could be served to modulate innate responses as frontline responders so virus unable to enter into host and affect it (Xu et al., 2020).

Considering these evidences from past experiences and the clinical observations of 500 subjects it can be concluded that Coroprotect kit could be a vanguard option as a preventive and prophylaxis and also for early recovery, improving symptomatology and overall scenario in healthy subjects.

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