

## **\*Supported with all international food safety and microbiology certificates (American FDA, GMP, HACCP & ISO9001).**

Dr.Mahmoud El-Gamal

---

### **#Abstract:**

*Using of biological immune enhancer with natural antiviral properties rich in multivitamins, anti-toxin, anti-oxidants and smart natural anti-inflammatory in Covid-19 positive patients inhibit virus replication and enhancing patient's recovery with 100% cure rate within 7 to 10 days .with therapeutic dose 75gm per day for two weeks. Also using 25gm once daily prophylactic dose will ensure maximum protection against risk of cross infection for medical staff and health care member's front line contact with patients.*

---

Date of Submission: 06-02-2021

Date of Acceptance: 20-02-2021

---

### **Dose & Application:**

2 table spoonful / 2-3 times daily (75 gm. per day).for 2 weeks. With juice, water & or yogurt for positive patients beside.

2 table spoons / once daily (25gm per day) for one month. (Prophylactic dose ) for medical staff & health care workers front line contact with patients to protect them against risk of cross infection.

### **I. #Scientific Overview:**

Enveloped mRNA viruses such as SARS COVID-19 and HIV1 and HIV2 have adhesive ability to cell receptors using their protein spikes and protect themselves through outer protein coat (capsid). If SARS COVID-19 virus succeeded to invade mucous membranes and adhere to cell receptors, virus will use human cells DNA to replicate and attack aggressively. So we can't deal with this virus without strong immune system and cells vitality.

Biological natural anti-viral has ability to prevent virus replication by adhering to cell receptors and blocking this way to COVID-19 virus.

Protection of mucous membranes against virus invasion show optimum resistance to the virus.

Keeping blood capillaries healthy and intact will resulted in maximum protection with resistance against virus attack.

Using natural biological proteolytic enzymes will dissolve virus outer coat which effect on virus ability to attack cells. (virus exposed to immune cells).

Using biological immune enhancer increase host immune defense by activating complement system, enhancing macrophages and natural killer.

Using of biological anti-oxidants with multivitamins enhancing mental and physical vitality resulting in excellent patients recovery.

### **#Objective:**

Enhancing COVID-19 positive cases recovery. with 100% cure rate within 7 to10 days with maximum protection for medical staff against risk of cross infection.

### **▶ Benefits:**

- ▶ 1- Decrease recovery time & Increase hospital turn over. (Clinical & Financial Success).
- ▶ 2- Protect patients against sever attacks of viral infection. **(Decrease ICU cases).**
- ▶ 3- Protect medical staff & health care workers front line contact with patients against risk of cross infection.
- ▶ 4- Improvement of both mental & physical vitality for patients & medical staff.
- ▶ 5-Leading them back to Vital Performance!

### **Practice & Reference:**

- 1- **DHAEPAL** administrated to a number of **(300)** COVID-19 positive patients. **(200)** showing mild to moderate symptoms, **(100)** showing moderate to severe symptoms all of them under age of 55 years old. (Some of them needed to **Paracetamol** beside **DHAEPAL** as antipyretic).
- 2- All patients showed good compliance at dose of 2 spoons / 3 times daily with juice and yogurt.
- 3- All of which turned from positive to **negative PCR** results within **seven to ten** days with a smooth recovery and physical wellness.**(100% cure rate)**. Compared to control group which administrated ministry of health routine protocol of treatment: (Remdesivir+ + lopinavir +Zithromax + Paracetamol +Anti-clotting) that takes from 18 to 21 days for recovery and negative PCR results. **(50 to 60 % cure rate)**.
- 4- Unfortunately it was difficult to administrate **DHAEPAL** to ICU patients due to poor general condition of them and associated conditions and ventilator support.
- 5- **DHAEPAL** administrated to **(150)** doctors and health care workers front line contact with patients, all of them showed good tolerance at dose 2 spoons once daily with juice. With no side effects or bowel instability and no one of which showed signs or symptoms of cross infection with physical and mental vitality.

### **II. Conclusion:**

Using **DHAEPAL** for both COVID-19 positive cases and medical staff carried out higher clinical success with 100% cure rate within 7 to 10 days with two weeks therapeutic dose. Also **DHAEPAL** ensure maximum protection for medical staff against risk of cross infection with excellent vitality (once daily prophylactic dose for one month).

### **#References:**

- [1]. Kasr Ainy University French Hospital. / Egypt.
- [2]. Ain Shams University Specialized Hospital Al-Obour./Egypt.
- [3]. Almazah Military Hospital./Egypt.
- [4]. Italy Military Hospital Alex.
- [5]. All this under supervision of Egyptian cabinet of ministers, ministry of higher education and research and armed medical services council.