**MEDICATION** | **INDICATION/INITIATION** | **RECOMMENDED DOSING** | **TITRATION/DURATION**
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**Methylprednisolone**  
A. Mild hypoxemia: requires $O_2$ via NC to maintain saturation > 92%  
B. Moderate–severe hypoxemia (High Flow $O_2$, NIPPV, IMV)  
C. Refractory Illness/ Cytokine Storm  
**Ascorbic Acid**  
$O_2 < 4$ $L$ on hospital ward  
$O_2 > 4$ $L$ or in ICU  
**Thiamine**  
ICU patients  
Hospital ward patients on $\leq 4$ $L$ $O_2$  
ICU patients or $> 4$ $L$ $O_2$  
**Heparin (LMWH)**  
Hospital ward patients on $\leq 4$ $L$ $O_2$  
ICU patients or $> 4$ $L$ $O_2$  
**Ivermectin**  
(should be considered a core medication)  
**Vitamin D**  
Hospital ward patients on $\leq 4$ $L$ $O_2$  
ICU patients or $> 4$ $L$ $O_2$  
**Atorvastatin**  
ICU Patients  
**Melatonin**  
Hospitalized patients  
**Zinc**  
Hospitalized patients  
**Famotidine**  
Hospitalized Patients  
**Therapeutic Plasma Exchange**  
Patients refractory to pulse dose steroids

**Legend:**  
CRP = C-Reactive Protein, DOAC = direct oral anti-coagulant, $FiO_2$ = Fraction of inspired oxygen, ICU = Intensive Care Unit, IMV = Invasive Mechanical Ventilation, IU = International units, IV = intravenous, NIPPV = Non-Invasive Positive Pressure Ventilation, $O_2$ = oxygen, PO (per os) = oral administration

For updates, references and more information on MATH+ (Hospital Treatment Protocol for Covid-19) and on our I-MASK+ (Prophylaxis & Early Outpatient Treatment Protocol for COVID-19) please see [www.flccc.net](http://www.flccc.net)
TO CONTROL INFLAMMATION & EXCESS CLOTTING

In all COVID-19 hospitalized patients, the therapeutic focus must be placed on early intervention utilizing powerful, evidence-based therapies to counteract:

— The overwhelming and damaging inflammatory response
— The systemic and severe hyper-coagulable state causing organ damage

By initiating the protocol soon after a patient meets criteria for oxygen supplementation, the need for mechanical ventilators and ICU beds will decrease dramatically.

TREATMENT OF LOW OXYGEN

— If patient has low oxygen saturation on nasal cannula, initiate heated high flow nasal cannula.
— Do not hesitate to increase flow limits as needed.
— Avoid early intubation that is based solely on oxygen requirements. Allow “permissive hypoxemia” as tolerated.
— Intubate only if patient demonstrates excessive work of breathing.
— Utilize “prone positioning” to help improve oxygen saturation.

ABOUT THE MATH+ HOSPITAL TREATMENT PROTOCOL FOR COVID-19

Our MATH+ protocol is designed for hospitalized patients, to counter the body's overwhelming inflammatory response to the SARS-CoV-2 virus. The protocol is based on numerous medical journal publications over decades. It is the hyper-inflammation, not the virus itself, that damages the lungs and other organs and ultimately causes death in COVID-19. We have found the MATH+ protocol to be a highly effective combination therapy in controlling this extreme inflammatory response and we have now added ivermectin as a core component given the profound emerging efficacy data in hospitalized patients reviewed here (www.flccc.net/flccc-ivermectin-review-covid-19).

The steroid Methylprednisolone is a key component, increasing numbers of studies (see https://flccc.net/medical-evidence) show its profound effectiveness in COVID-19, which is made more potent when administered intravenously with high doses of the antioxidant Ascorbic acid given that the two medicines have multiple synergistic physiologic effects. Thiamine is given to optimize cellular oxygen utilization and energy consumption, protecting the heart, brain, and immune system. The anticoagulant Heparin is important for preventing and dissolving blood clots that appear with a very high frequency in patients not given blood thinners. The + sign indicates several important co-interventions that have strong physiologic rationale and an excellent safety profile. It also indicates that we plan to adapt the protocol as our insights and the published medical evidence evolve.

Timing is a critical factor in the successful treatment of COVID-19. Patients must go to the hospital as soon as they experience difficulty breathing or have a low oxygen level. The MATH+ protocol then should be administered soon after a patient meets criteria for oxygen supplementation (within the first hours after arrival in the hospital), in order to achieve maximal efficacy as delayed therapy has led to complications such as the need for mechanical ventilation.

If administered early, this formula of FDA-approved, safe, inexpensive, and readily available drugs can eliminate the need for ICU beds and mechanical ventilators and return patients to health.

DISCLAIMER

This protocol is solely for educational purposes regarding potentially beneficial therapies for COVID-19. Never disregard professional medical advice because of something you have read on our website and releases. It is not intended to be a substitute for professional medical advice, diagnosis, or treatment in regards to any patient. Treatment for an individual patient should rely on the judgement of your physician or other qualified health provider. Always seek their advice with any questions you may have regarding your health or medical condition.

CONTACT

FLCCC Alliance
6006 N Highlands Avenue
Madison, WI 53705-0000

Physician Contact
Howard Kornfeld, MD — support@flccc.net
Keith Berkowitz, MD — keith@centerforbalancedhealth.com

Media Relations
press@flccc.net

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