**I-MASK+**

**PREVENTION & EARLY OUTPATIENT TREATMENT PROTOCOL FOR COVID-19**

**PREVENTION PROTOCOL** (for Delta variant)

**ANTI-VIRALS & ANTISEPTICS**

Ivermectin

**Chronic Prevention**
0.2 mg/kg per dose (take with or after a meal) — twice a week for as long as disease risk is elevated in your community.

**Post COVID-19 Exposure Prevention**
0.4 mg/kg per dose (take with or after a meal) — one dose today, repeat after 48 hours.

**Gargle mouthwash**
2 x daily – gargle (do not swallow) antiseptic mouthwash with cetylpyridinium chloride (e.g. Scope™, Act™, Crest™), 1% povidone/iodine solution or Listerine™ with essential oils.

**IMMUNE FORTIFYING / SUPPORTIVE THERAPY**

- **Vitamin D3** 1,000–3,000 IU/day
- **Vitamin C** 500–1,000 mg 2 x daily
- **Quercetin** 250 mg/day
- **Zinc** 30–40 mg/day (elemental zinc)
- **Melatonin** 6 mg before bedtime (causes drowsiness)

**EARLY TREATMENT PROTOCOL**  →  see page 2

**Efficacy of Ivermectin**

Ivermectin is a medication uniquely suited to treat COVID-19 given its now well-described, potent anti-viral and anti-inflammatory properties.

Efficacy of ivermectin in the prevention of COVID-19 disease is based on a series of 13 randomized and observational controlled trials which consistently find that single or repeated ivermectin use strongly reduces the risk of contracting COVID-19.

The efficacy of ivermectin in treatment is based on dozens of trials reporting large reductions in time to recovery, hospitalizations and death. Further, increasing numbers of health ministries have initiated mass treatment and/or distribution programs that have led to population-wide decreases in hospitalizations and death.

The FLCCC Alliance published a narrative review paper which summarized the evidence base as of January 2021 in the American Journal of Therapeutics: journals.lww.com/americantherapeutics/Full-text/2021/06000/Review_of_the_Emerging_Evidence_Demonstrating_the.4.aspx

The most up-to-date summary of the totality of the supportive evidence for ivermectin in COVID-19 can be found here: flccc.net/summary-of-the-evidence-base-final/

For an overview of the developments in prevention and treatment of COVID-19, please visit flccc.net/covid-19-protocols

Please check our homepage regularly for updates of our COVID-19 Protocols. New medications may be added and/or dose changes to existing medications may be made as further scientific studies emerge!
I-MASK+
PREVENTION & EARLY OUTPATIENT TREATMENT PROTOCOL FOR COVID-19

EARLY TREATMENT PROTOCOL1 (for Delta variant)

1. **First line agents** (use any or all medicines; listed in order of priority/importance)

**ANTI-VIRALS**
- Ivermectin
  0.4–0.6 mg/kg per dose (take with or after a meal) — one dose daily, take for 5 days or until recovered. Use upper dose if: 1) in regions with aggressive variants (e.g. Delta); 2) treatment started on or after day 5 of symptoms or in pulmonary phase; or 3) multiple comorbidities/risk factors.
- Nitazoxanide
  500 mg 2 x daily for 5 days after meals. Combine with ivermectin (preferred) or substitute if ivermectin is not available. (Nitazoxanide is often unavailable or high-priced in the USA)

**ANTI-SEPTIC ANTI-VIRALS**
- Antiviral mouthwash: Gargle 3 x daily (do not swallow; must contain chlorhexidine, povidone-iodine, or cetlypyridium chloride).
- Iodine nasal spray/drops: Use 1% povidone-iodine commercial product as per instructions 2–3 x daily. If 1%-product not available, must first dilute the more widely available 10%-solution* and apply 4–5 drops to each nostril every 4 hours. (No more than 5 days in pregnancy.)

**ANTI-COAGULANTS + IMMUNE FORTIFYING**
- Aspirin
  325 mg daily (unless contraindicated)
- Vitamin D
  Vitamin D3 5,000 IU daily. Preferred form if available:
  Calcitriol 0.5 mg before bedtime (causes drowsiness)
- Melatonin
  10 mg before bedtime (causes drowsiness)

**ADJUNCTIVE / SYNERGISTIC THERAPIES**
- Quercetin
  250 mg 2 x daily
- Zinc
  100 mg/day (elemental zinc)
- Vitamin C
  500–1,000 mg 2 x daily

**PULSE OXIMETER**
- Monitoring of oxygen saturation is recommended
  (for instructions see page 3)

2. **Second line agents** (listed in order of priority/importance)

Add to first line therapies above if:
1) ≥5 days of symptoms; 2) Poor response to therapies above; 3) Significant comorbidities.

**DUAL ANTI-ANDROGEN THERAPY**
1. Spironolactone
   100 mg 2 x daily for ten days.
2. Dutasteride
   2 mg on day 1, followed by 1 mg daily for 10 days.
   If dutasteride not available, use Finasteride 10 mg daily for 10 days.

**FLUOXETINE**
50 mg 2 x daily for 10 days5
Consider fluoxetine 30 mg daily for 10 days as an alternative (it is often better tolerated). Avoid if patient is already on an SSRi.

**MONOCLONAL ANTIBODY THERAPY**
- Casirivimab/imdevimab
  600 mg each in a single subcutaneous injection. Antibody therapy is for patients within 7 days of first symptoms and one or more risk factors as: Age > 65y; BMI > 25; pregnancy; chronic lung, heart, or kidney disease; diabetes; immunosuppressed; developmental disability; chronic tracheostomy; or feeding tube.

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Notes
1. The dosing may be updated as further scientific studies emerge. The safety of ivermectin in pregnancy has not been definitively established. Use in the 1st trimester should be discussed with your doctor.
2. To use if a household member is COVID-19 positive, or you have prolonged exposure to a COVID-19 positive patient without wearing a mask.
3. For late phase – hospitalized patients – see the FLCCC’s “MATH+ Hospital Treatment Protocol for COVID-19” on www.flccc.net
4. To make 1% povidone/iodine concentrated solution from 10% povidone/iodine solution, it must be diluted first.
   One dilution method is as follows:
   - First pour 1½ tablespoons (25 ml) of 10% povidone/iodine solution into a nasal irrigation bottle of 250 ml.
   - Then fill to top with distilled, sterile or previously boiled water.
   - Tilt head back, apply 4–5 drops to each nostril every 4 hours. (No more than 5 days in pregnancy.)
5. Some individuals who are prescribed fluvoxamine experience acute anxiety which needs to be carefully monitored for and treated by the prescribing clinician to prevent rare escalation to suicidal or violent behavior.
6. This medication requires an infusion center. To find the nearest location in the U.S., visit www.infusioncenter.org or call for eligibility and location 1-877-332-6585 for English and 1-877-366-0310 for Spanish
7. The I-MASK+ protocol is a bridge to vaccines and a safety net for those who cannot or have not been vaccinated, or are vaccinated and have concerns regarding declining protection against emerging variants. Vaccines have shown efficacy in preventing the most severe outcomes of COVID-19 and are an important part of a multi-modal strategy that must also include early treatment. The decision to get a vaccine should be made in consultation with your health care provider.
Additional information

**Pulse Oximeter (usage instructions)**

In symptomatic patients, monitoring with home pulse oximetry is recommended (due to asymptomatic hypoxia). The limitations of home pulse oximeters should be recognized, and validated devices are preferred. Multiple readings should be taken over the course of the day, and a downward trend should be regarded as ominous. Baseline or ambulatory desaturation < 94% should prompt hospital admission. The following guidance is suggested:

- Use the index or middle finger; avoid the toes or ear lobe.
- Only accept values associated with a strong pulse signal.
- Observe readings for 30–60 seconds to identify the most common value.
- Remove nail polish from the finger on which measurements are made.
- Warm cold extremities prior to measurement.

**Calculation for ivermectin dose (0.2 mg per kg)**

<table>
<thead>
<tr>
<th>Body weight</th>
<th>Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conversion: 1 kg = 2.2 lbs (doses calculated per upper end of weight range)</td>
<td>0.2 mg/kg = 0.09 mg/lb (Each tablet = 3 mg; doses rounded to nearest half tablet above)</td>
</tr>
<tr>
<td>70–90 lb</td>
<td>8 mg (3 tablets = 9 mg)</td>
</tr>
<tr>
<td>91–110 lb</td>
<td>10 mg (3.5 tablets)</td>
</tr>
<tr>
<td>111–130 lb</td>
<td>12 mg (4 tablets)</td>
</tr>
<tr>
<td>131–150 lb</td>
<td>13.5 mg (4.5 tablets)</td>
</tr>
<tr>
<td>151–170 lb</td>
<td>15 mg (5 tablets)</td>
</tr>
<tr>
<td>171–190 lb</td>
<td>16 mg (5.5 tablets)</td>
</tr>
<tr>
<td>191–210 lb</td>
<td>18 mg (6 tablets)</td>
</tr>
<tr>
<td>211–230 lb</td>
<td>20 mg (7 tablets = 21 mg)</td>
</tr>
<tr>
<td>231–250 lb</td>
<td>22 mg (7.5 tablets = 22.5 mg)</td>
</tr>
<tr>
<td>251–270 lb</td>
<td>24 mg (8 tablets)</td>
</tr>
<tr>
<td>271–290 lb</td>
<td>26 mg (9 tablets = 27 mg)</td>
</tr>
<tr>
<td>291–310 lb</td>
<td>28 mg (9.5 tablets = 28.5 mg)</td>
</tr>
</tbody>
</table>

For higher doses used in our I-MASK+ Protocol please multiply the value found in the table for 0.2 mg/kg, e.g.:

- 0.4 mg/kg: double the 0.2 mg/kg dose
- 0.6 mg/kg: triple the 0.2 mg/kg dose

Tablets can be halved for more accurate dosing. Then round to nearest half tablet above.

Note that Ivermectin is available in different tablet strengths (e.g. with 3, 5 or 6 mg) and administration forms (tablets, drops) depending on the country (please refer to the package information).

In our table we calculate doses using 3 mg tablets (the most common dose per tablet in the U.S.).

If your tablets contain a different amount of ivermectin than 3 mg, you must calculate the number of tablets to equal the dose of ivermectin required.

**Disclaimer**

The I-MASK+ Prevention & Early Outpatient Treatment Protocol for COVID-19 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. Please note our full disclaimer at: www.flccc.net/about/disclaimer

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New medications may be added and/or dose changes to existing medications may be made as further scientific studies emerge!