



CLINICAL PROTOCOLS WITH **CDS** IN COVID-19

UPDATED: 18-NOV-2021

Due to the actual situation in regards Coronavirus and along with medical doctors of COMUSAV (www.comusav.com) we have updated our protocols C, F, N & Y in the treatment with Chlorine Dioxide in its form of CDS at 0.3% = 3000 ppm.

PROTOCOL C PREVENTION AND FIRST SYMPTOMS **MIX 10 ML OF CDS IN 1L WATER DIVIDED IN 10 DOSES DAILY** **C10**

Always start with standard Protocol C increasing the dosis based on blood oxygen saturation. CDS IS ALWAYS DILUTED IN WATER.
PROTOCOL C: MIX 10ML OF CDS IN 1 LITER OF WATER DIVIDED INTO 10 DOSES. TAKE 100 ML OF THE MIX EVERY HOUR (1 HOUR APART FROM MEALS).

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| <p>C15</p> <p>1 LITER OF WATER
 15 ML OF CDS
 10 DOSES DAILY (100ml each)</p> <p><u>DAILY LIFE IN PUBLIC & FAMILY OF INFECTED PATIENTS</u></p> | <p>C20</p> <p>1 LITER OF WATER
 20 ML OF CDS
 10 DOSES DAILY (100ml each)</p> <p><u>1ST RESPONDERS & RESIDENTS AT+ 2,600M ALTITUDE</u></p> |
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- C30**
- 1.5** LITERS OF WATER
30 ML OF CDS
10 DOSES EVERY DAILY (150ml each)
- ICU PATIENTS & RESIDENTS AT OVER 3,600M ALTITUDE



PROTOCOL F (FREQUENT) ACUTE VIRAL & BACTERIAL INFECTIONS

Protocol F15 is applied to people over 60kg and/or who have a fever.
 The F20 protocol is applied to people with a fever and/or an oxygen saturation below 92% or for people who live at an altitude higher than 2600m.
 The F30 protocol is applied to people with a fever and whose oxygen saturation has been reduced to below 85% or for people who live above an altitude of 3600m.

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| <p>F10</p> <p>0.5 LITER OF WATER
 10 ML OF CDS
 8 DOSES IN 2 HOURS
 (62.5ml of the mix every 15 minutes)</p> | <p>F15</p> <p>0.5 LITER OF WATER
 15 ML OF CDS
 8 DOSES IN 2 HOURS
 (62.5ml of the mix every 15 minutes)</p> <p><u>WEIGHT 60+ KG AND/OR WITH A FEVER</u></p> |
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| <p>F20</p> <p>0.75 LITER OF WATER
 20 ML OF CDS
 8 DOSES IN 2 HOURS
 (93.75ml of the mix every 15 minutes)</p> <p><u>FEVER AND/OR OXYGEN SATURATION IS ≤ 92%
 OR WHEN ALTITUDE IS 2,600M+</u></p> | <p>F30</p> <p>1 LITER OF WATER
 30 ML OF CDS
 8 DOSES IN 2 HOURS
 (125ml of the mix every 15 minutes)</p> <p><u>FEVER AND/OR OXYGEN SATURATION ≤ 85%
 OR WHEN ALTITUDE IS 3,600M +</u></p> |
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PROTOCOL N

NIÑOS (CHILDREN)

IF CHILD IS TOO SMALL TO EVEN DRINK 100ML OF THE MIX, ADAPT AMOUNT OF WATER ACCORDINGLY.

N2 **PROPHYLACTIC (PREVENTIVE)**
100 ML WATER
2 ML CDS PER 12KG WEIGHT
10 ML DOSES EVERY HOUR

N3 **COVID EXPOSURE**
100 ML WATER
3 ML CDS PER 12KG WEIGHT
10 ML DOSES EVERY HOUR

N4 **WITH SYMPTOMS**
100 ML WATER
4 ML CDS PER EVERY 12KG WEIGHT
10 ML DOSES EVERY HOUR

PROTOCOL E

ENEMA (SLOW ABSORPTION)

It is not an evacuation enema, **but a slow absorption one.** Connect an venoclysis or infusion set with a nasogastric tube to the saline bag with CDS and insert it rectally as deeply as possible until the beginning of the descending colon. **Set to a few drops per minute** based on patient's tolerance.

E10 **0.5** L SODIUM CHLORIDE SOLUTION (NaCl 0.9%)
10 ML CDS
 DROPS DOSES BASED ON PROGRESS

E20 **0.75** L SODIUM CHLORIDE SOLUTION (NaCl 0.9%)
20 ML CDS
 DROPS DOSES BASED ON PROGRESS

E30 **1** L SODIUM CHLORIDE SOLUTION (NaCl 0.9%)
30 ML CDS
 DROPS DOSES BASED ON PROGRESS

PROTOCOL Y

HYPODERMIC OR INTRAVENOUS (CDI)

This is a prolonged **intravenous application** of CDI in **severe COVID19 patients** to avoid or remove intubation. The **Y10 protocol** is used at sea level. The **Y20 protocol** is used for oxygen saturation below 85% and/or at an altitude of 2,600m. The **Y30 protocol** is used for saturation below 75% and/or at altitudes above 3,600m. The **Y50 protocol** is only applied in **critical rescue cases** and in patients with **morbid obesity**, using a **subclavian central line**. Slow dripping is imperative with a **maximum of 15 drops per minute** to avoid phlebitis. In case of **irritation**, reduce the speed of the drip. For high doses, use an infusion pump whenever possible for better clinical control, also **avoid sunlight and heat**.

PREFERABLY PERFORM THIS PROTOCOL AT NIGHT TO AVOID VIRAL SPIKE.

Y10 **10ML** CDS (500ML RINGER'S LACTATE-FREE OR SALINE OR HARTMANN SOLUTION)
15 DROPS PER MINUTE
USED AT SEA LEVEL

Y20 **20** ML CDS (500ML RINGER'S LACTATE-FREE OR SALINE OR HARTMANN SOLUTION)
15 DROPS PER MINUTE
OXYGEN SATURATION <85% & AT 2,600M ALTITUDE

Y30 **30** ML CDS (500ML RINGER'S LACTATE-FREE OR SALINE OR HARTMANN SOLUTION)
15 DROPS PER MINUTE
OXYGEN SATURATION <75% & AT 3,600M+ ALTITUDE

Y50 **50** ML CDS (500ML RINGER'S LACTATE-FREE OR SALINE OR HARTMANN SOLUTION)
15 DROPS PER MINUTE
USE SUBCLAVIAN CENTRAL LINE FOR CRITICAL CASES & MORBID OBESITY

Based on the solution used, CDS Ph level will drop & we might have to add some 7.5% sodium bicarbonate solution to the IV. Amount to add varies based on Ph & CDS amount used (or protocol). Consult your health professional.

PROTOCOL

H

HOME WITH COVID-19 PATIENTS

It is considered a mandatory protocol in all rooms with COVID-19 patients present. **In a small glass, pour approximately 10ml of CDS** for a room of **10 square meters**.

In larger rooms several equidistant glasses are distributed.

Once the yellow color of the CDS is gone, it must be replaced with a new one.

H

10 ML CDS

per every

10 M²

PROTOCOL

DS

DERMATOLOGIC IN SPRAY

Essential for all medical personnel as a first response emergency and to be able to carry it with them constantly.

After each **contact with COVID-19 patients**, mouth, eyes, nose and hands are sprayed for disinfection.

It is **non-irritating**, eyes can be opened. Inhaling through the nose and applying several sprays is safe.

DS

1/3 OF CDS

2/3 SALINE SOLUTION (NaCl 0.9%)

50 ML BOTTLE SIZE

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