



# 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](http://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).**

C15

**1 LITER OF WATER**  
**15 ML OF CDS**  
**10 DOSES DAILY** (100ml each)

DAILY LIFE IN PUBLIC & FAMILY OF INFECTED PATIENTS

C20

**1 LITER OF WATER**  
**20 ML OF CDS**  
**10 DOSES DAILY** (100ml each)

1ST RESPONDERS & RESIDENTS AT+ 2,600M ALTITUDE

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.

F10

**0.5 LITER OF WATER**  
**10 ML OF CDS**  
**8 DOSES IN 2 HOURS**  
(62.5ml of the mix every 15 minutes)

F15

**0.5 LITER OF WATER**  
**15 ML OF CDS**  
**8 DOSES IN 2 HOURS**  
(62.5ml of the mix every 15 minutes)  
WEIGHT 60+ KG AND/OR WITH A FEVER

F20

**0.75 LITER OF WATER**  
**20 ML OF CDS**  
**8 DOSES IN 2 HOURS**  
(93.75ml of the mix every 15 minutes)

FEVER AND/OR OXYGEN SATURATION IS ≤ 92% OR WHEN ALTITUDE IS 2,600M+

F30

**1 LITER OF WATER**  
**30 ML OF CDS**  
**8 DOSES IN 2 HOURS**  
(125ml of the mix every 15 minutes)

FEVER AND/OR OXYGEN SATURATION ≤ 85% OR WHEN ALTITUDE IS 3,600M +

**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.

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.

**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

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** M<sup>2</sup>

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

**COMUSAV**  
WORLD HEALTH AND LIFE COALITION

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