

# OPIOIDS STOCK OPTIMISATION UTILISING AUTOMATIC DISPENSING SYSTEMS DURING AND AFTER COVID19 PANDEMIC

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## WHAT WAS DONE?

A procedure was implemented to optimize the stock and manage the quarantine of **opioids** in **Automatic Dispensing Systems (ADS)** during and after their use in hospital units hosting **COVID** patients

## WHY WAS IT DONE?

It was done in order to **optimize** opioids stock to meet the needs of COVID-19 patients and **protocolize** the correct **quarantine** without modifying the computerized registration in the 39 ADS.

## HOW WAS IT DONE?

- As hospitalization units were being adapted to **host COVID-19 patients**, **opioids stock** had to be **modified** to meet their new demands.
- Reversely, when hospitalization units were **recovered** to host their **usual type of patient**, the opioids had to be replaced and **quarantined** for ten days, according to our Preventive Medicine Unit. All these movements were recorded.



- Physical and computerized **unloading** of **opioids without dispensing** in recent months and emptying of the returned drawer (storage space for opioids withdrawn from the ADS which were not used).
- Relocation** to hospitalization units hosting **COVID-19 patients**.
- Replacement** of all (**minidrawers**) where opioids were kept with **clean** ones



- Quarantine** in the Pharmacy Service, for the **drugs unloaded** which were **unable** to be immediately **relocated**
- Cleaning** and sanitizing of the removed **minidrawers** from COVID-19 hospitalization units' ADS to be used in the **next conversion**.

## WHAT HAS BEEN ACHIEVED?

**29 ADS** of the 39 available in the hospital were **optimized**.



- Given the decreased in COVID-19 admissions during May, the hospital made a **schedule** to return to normality which allowed to leave **5 ADS in quarantine** without the need to unload or replace any drug. The other **24 ADS** had to be **cleaned** and **disinfected**.
- It led to the physical unloading of **182 specialties** (a total of **1,519 units**), the physical and computerized unloading of **124 specialties** (**850 units**) and the emptying of the returned drawers (**18 specialties** and **20 units**). **504 minidrawers** were replaced by other cleaned and disinfected ones and **298 specialties** (**2,080 units**) were replaced.

## WHAT NEXT?

Enhancing our protocol to allow us to **spend more time** with the patients in **Covid's further waives**.

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