ROLE OF PHARMACISTS DURING COVID-19 PANDEMIC IN A

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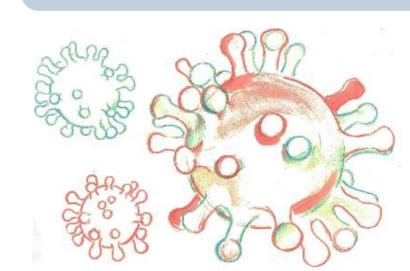


WHAT WAS DONE?



One pharmacist was dedicated fulltime to the **COVID-19 drug management**. Another pharmacist was committed to ensure the **safe and efficacious use of drugs** by conducting medication reviews and giving relevant drug and laboratory recommendations.

WHY WAS IT DONE?



The COVID-19 pandemic caused **limited availability of critical drugs** and **rapidly evolving treatment guidelines**. **Patient safety** must be guaranteed at all times. However, the pandemic took the follow-up of drug shortages to an unprecedented level, increasing the risk of errors. Fulfilling this task was therefore difficult and new strategies needed to be implemented.

HOW WAS IT DONE?

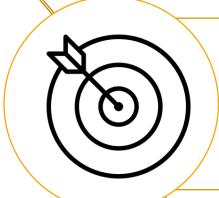
ACTIONS

DRUG DISTRIBUTION

RESULTS



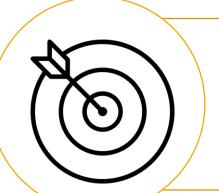
Microsoft Power BI © (= tool to analyse data) was used to monitor the specific drug needs on COVID-wards.



Higher drug consumption was more rapidly detected & optimization of the stocks of drugs on the wards.



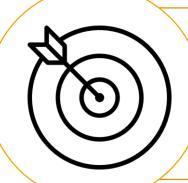
The available stocks in the hospital were registered in a database & this information was updated and communicated to the medical staff on a daily basis.



Treatment guidelines could be proactively adjusted if necessary.



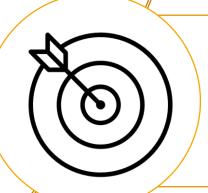
Medication alerts for drugs with different concentration, volume and/or brandname were sent regularly by e-mail.



All health care providers were informed & risk of medication errors \$\sqrt{}\$



A 'corona kit' was created in the automated dispensing system (ICU).



All required drugs were quickly accessible to start mechanical ventilation.

Using (inter)national guidelines and tools

Gathering information

Quickly changing!

CLINICAL PHARMACY

Developing a back-office clinical validation tool for

Checklist = standardization

hydroxychloroquine (HCQ)

Authorized by physicians

Implemented in hospital treatment guideline

3

Building reports in Power BI ©

Daily follow-up

Interactions and contraindications

Giving advice to physicians if necessary

4

Electronic prescribing system

Ready to use drug orders

e.g. dosage HCQ ~ renal function

Information for prescriber and administrator

WHAT HAS BEEN ACHIEVED?



Due to the multi-disciplinary approach and guided appropriate medication use, **therapy continuation** could be guaranteed for all patients. Our validation tool resulted in the early detection and interception of medication errors ensuring **patient safety**.

WHAT NEXT?



A retrospective risk assessment will be done to evaluate our approach and a preparedness plan concerning medication will be established based on our experience. The development of a computer-based analytical tool will be encouraged to maximize patient safety while minimizing risk of medication errors.

