

TRENDS IN TREATMENTS DURING COVID-19 PANDEMIC IN A UNIVERSITY TERTIARY HOSPITAL



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Background and Importance

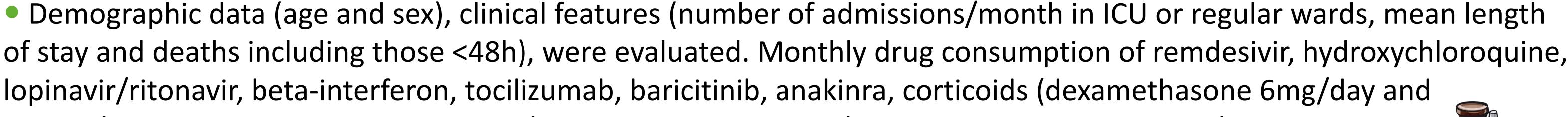
 Pharmacotherapeutic management of SARS-CoV-2 infection from the beginning of COVID-19 pandemic to now has evolved in accordance with research and clinical experience, improving treatments and thus clinical outcomes.

Aim and Objectives

 To analyze the changes in the epidemiology and prevalence of use of the different treatments used against COVID-19 and its clinical outcomes throughout the pandemic.

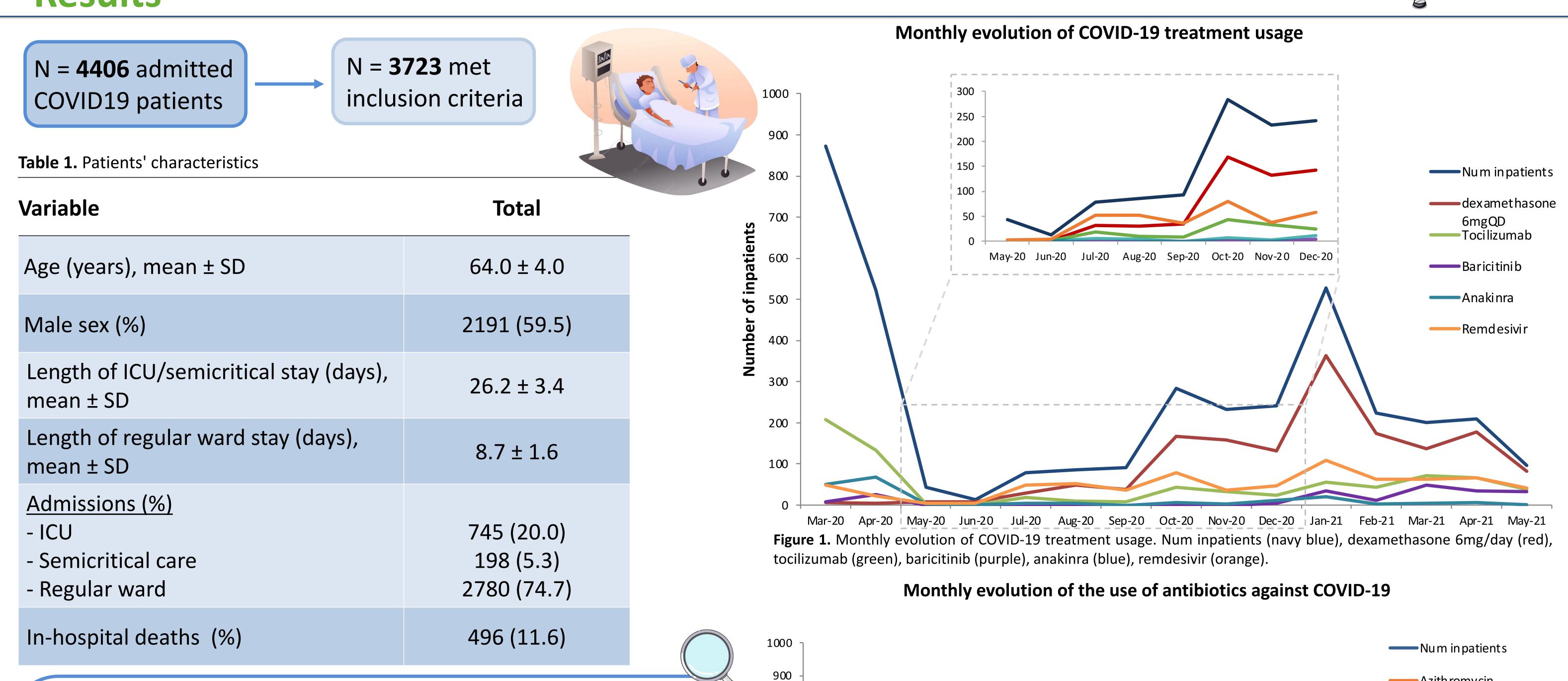
Materials and Methods

- Retrospective unicenter study in a tertiary hospital from March 2020 to May 2021
- COVID-19 patients admitted to our hospital >48h were identified through the electronic medical records (SAP Medication®).



>20mg/day, methylprednisolone >40mg/day, prednisone >30mg/day, hydrocortisone>100mg/day) and antibiotics, were recorded.

Results



800

inpatients 600

Naper 400 300

200

100

of in

- inpatients took lopinavir/ritonavir hydroxychloroquine at the beginning, but later on the consumption was drastically reduced, according to scientific evidence.
- Remdesivir stood out as antiviral and dexamethasone, tocilizumab and baricitinib as anti-inflammatory drugs.
- The most used antimicrobials were ceftriaxone (45,5%) and azithromycin (34,9%).

Conclusion and Relevance

- The use of drugs against COVID-19 during the pandemic has shown a clear evolution over the months towards more standardized treatments, with remdesivir as an antiviral and dexamethasone, tocilizumab and baricitinib as antiinflammatory drugs standing out in our center.
- Homogenization and standardization of COVID-19 treatments were a reflection of the accumulated scientific evidence.

Azith romycin

Levofloxacin

——Amoxicillin/Clavulanate

----Ceft riax one

Mar-20 Apr-20 May-20 Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 April-21 May-21

Figure 2. Monthly evolution of the use of antibiotics against COVID-19. Num inpatients (navy blue), azithromycin

(orange), ceftriaxone (grey), levofloxacin (yellow), amoxicillin/clavulanate (red).