





6ER-014 ATC: 4

Contact: alvarobenito.pousada@salud.madrid.org

ANALYSIS OF THE EVOLUTION OF INTERLEUKIN-6 IN COVID-19 PATIENTS AFTER BEING TREATED WITH DEXAMETHASONE

BACKGROUND

Hospital's protocol:

IL-6 > 40 pg/ml is required to start treatment with tocilizumab





Assessing the role of dexamethasone (DEX) in the evolution of IL-6 during the first hours of the patient's hospital admission could help prevent a premature use of tocilizumab.

AIM AND OBJECTIVES

✓ Assessing the evolution of IL-6 after the use of DEX in patients diagnosed with COVID-19 and IL-6 > 40 pg/ml

MATERIALS AND METHODS



Retrospective descriptive observational study



Second-level hospital

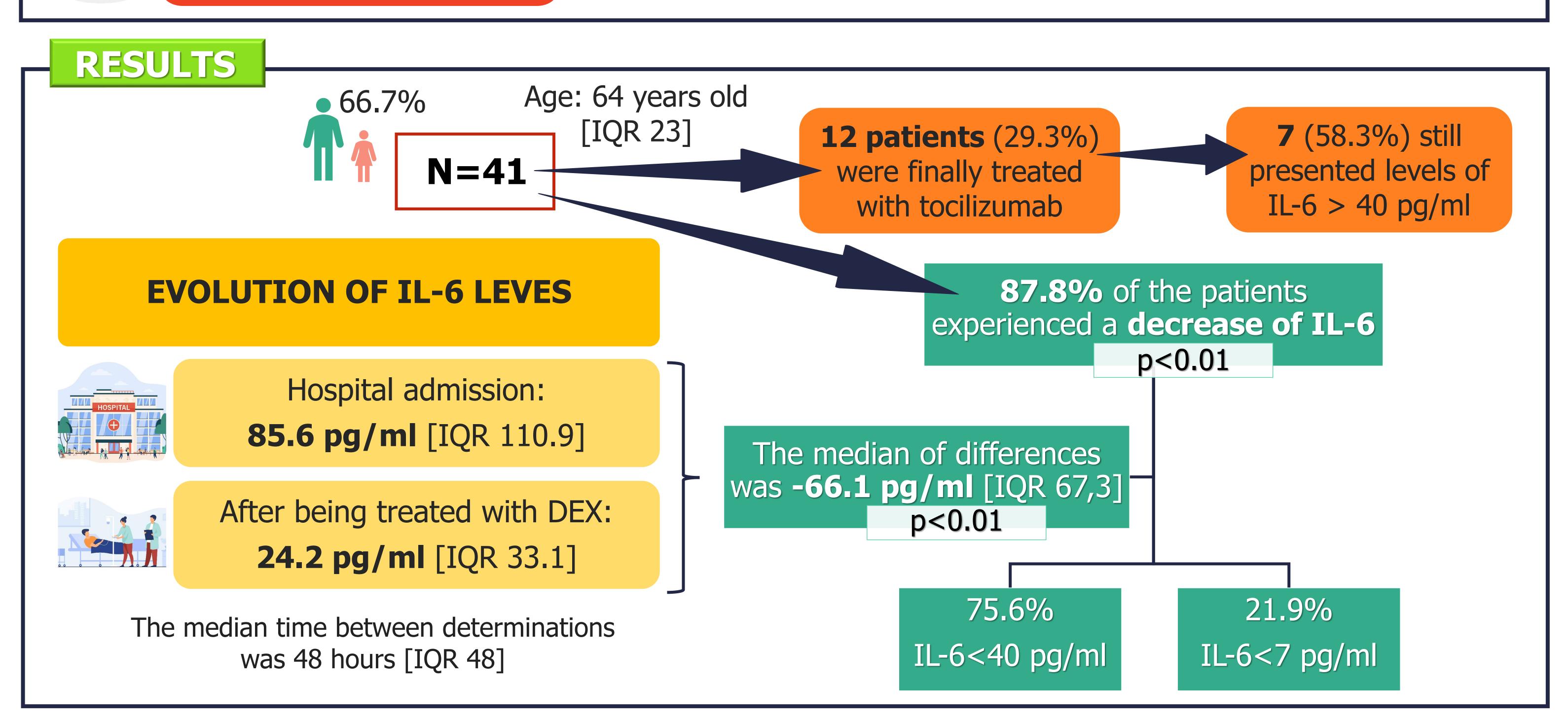


Nov 2020 - Jan 2021

Data were subjected to Wilcoxon's test

INCLUSION/EXCLUSION CRITERIA

- · COVID-19 patients with IL-6 levels above 40 pg/ml:
- treated with DEX
- with determination of IL-6 levels, both at the admission and within the following 96 h.
- Prescription of DEX at least 24 hours before the first determination.
- · Use of tocilizumab before the first determination or between determinations.



CONCLUSIONS

DEX treatment **reduced IL-6** levels to below 40 pg/ml in most patients in 48 hours

IL-6 monitoring after a DEX treatment could help prevent an inadequate use of tocilizumab

It is necessary to research the benefits of tocilizumab for patients with low levels of IL-6

A.B. Pousada Fonseca¹, I. Morona Mínguez¹, N. Garrido Peño¹, I. Soto Baselga¹, J. Solís Olivares¹, B. Rubio Cebrián¹, Y. Mateos Mateos¹, I. Solís Olivares¹, B. Rubio Cebrián¹, Y. Mateos Mateos¹, I. Solís Olivares¹, B. Rubio Cebrián¹, Y. Mateos Mateos¹, I. Solís Olivares¹, B. Rubio Cebrián¹, Y. Mateos Mateos¹, I. Solís Olivares¹, B. Rubio Cebrián¹, Y. Mateos Mateos¹, I. Solís Olivares¹, B. Rubio Cebrián¹, Y. Mateos Mateos¹, I. Solís Olivares¹, B. Rubio Cebrián¹, Y. Mateos Mateos¹, I. Solís Olivares¹, B. Rubio Cebrián¹, Y. Mateos Mateos¹, I. Solís Olivares¹, B. Rubio Cebrián¹, Y. Mateos Mateos¹, I. Solís Olivares¹, B. Rubio Cebrián¹, Y. Mateos Mateos¹, I. Solís Olivares¹, B. Rubio Cebrián¹, Y. Mateos Mateos¹, I. Solís Olivares¹, B. Rubio Cebrián¹, Y. Mateos Mateos¹, I. Solís Olivares¹, B. Rubio Cebrián¹, Y. Mateos Mateos¹, I. Solís Olivares¹, B. Rubio Cebrián¹, Y. Mateos Mateos¹, I. Solís Olivares¹, B. Rubio Cebrián¹, Y. Mateos Mateos¹, I. Solís Olivares¹, B. Rubio Cebrián¹, Y. Mateos Mateos¹, I. Solís Olivares¹, B. Rubio Cebrián¹, Y. Mateos Mateos¹, I. Solís Olivares¹, B. Rubio Cebrián¹, Y. Mateos Mateos¹, I. Solís Olivares¹, B. Rubio Cebrián¹, Y. Mateos Mateos¹, I. Solís Olivares¹, D. Solís Olivares¹, B. Rubio Cebrián¹, Y. Mateos Mat

¹HOSPITAL UNIVERSITARIO DE MÓSTOLES, HOSPITAL PHARMACY, MÓSTOLES, SPAIN. ²HOSPITAL FUNDACIÓN JIMÉNEZ DÍAZ, HOSPITAL PHARMACY, MADRID, SPAIN. ³HOSPITAL UNIVERSITARIO DE MÓSTOLES, CLINICAL ANALYSIS, MÓSTOLES, SPAIN.