

COVID-19 and complications in a Tunisian regional hospital 2020-2022

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Introduction:

Originating from Wuhan in China, covid 19 has caused more than millions of deaths in the world. Mostly case reports and series of patients afflicted by the coronavirus describe numerous complications making the covid-19 disease as multisystem condition.



The aim of this study was to describe the complications observed in hospitalized patients.

Methods:

It was a retrospective observational study. All adult patients admitted for COVID-19 in the general medical ward at the regional hospital of Msaken in Tunisia, during two years from March 2020 to August 2022.

Results:

A total of 336 patients were included. Two thirds (65.2%) were over 60 years. A slight predominance masculine (52.1%) was observed.

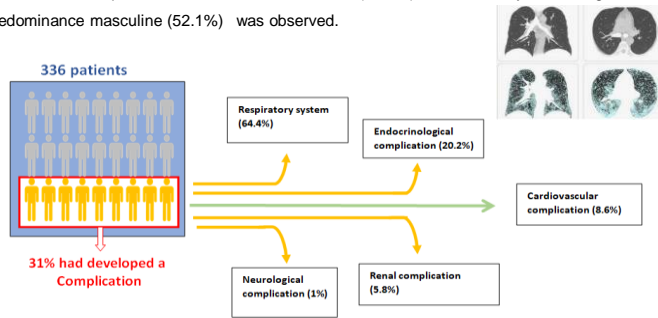
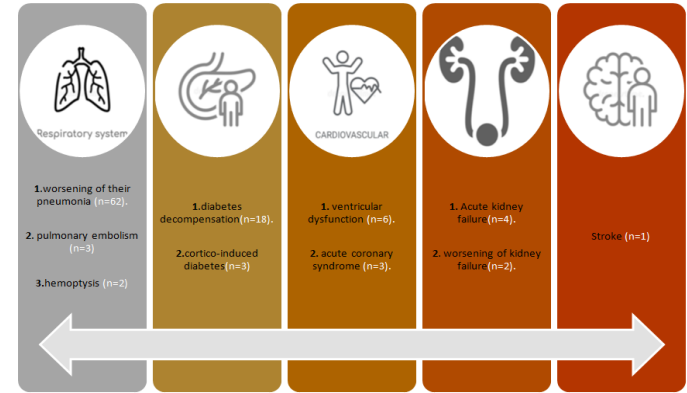


figure n°1: Covid 19 complications

One-third (31%) had developed a complication during hospitalization: respiratory system (64.4%), followed by the endocrinological complication (20.2%), cardiological (8.6%), renal (5.8%) and neurological (1%).



Discussion:

A British multicenter prospective study found that nearly half (49.7%) of patients admitted with COVID-19 developed at least one in-hospital complication [1]. In a review, the most frequently involved systems were renal (24.3%), respiratory (18.4%), cardiovascular (12.3%), neurological (4.3%) and gastrointestinal (0.8%) [2].

Conclusion

Complications caused by covid-19 have a significant impact on the quality of life of patients and also have a significant economic impact. Therefore, they need to be more widely discussed so that physicians are more aware of them in their practice.

REFERENCES :

- Drake TM, Riad AM, Fairfield CJ, Egan C, Knight SR, Pius R, et al. Characterisation of in-hospital complications associated with COVID-19 using the ISARIC WHO Clinical Characterisation Protocol UK: a prospective, multicentre cohort study. *Lancet Lond Engl.* 17 juil 2021;398(10296):223-37.
- John KJ, Nayar J, Mishra AK, Selvaraj V, Khan MS, Lal A. In-hospital clinical complications of COVID-19: a brief overview. *Future Virol.* nov 2021;16(11):717-23.