

Experience of the Colentina Clinical Hospital Surgery Clinic in the Treatment of COVID-19 Patients Hospitalised in the Period March - August 2020

Cristian Botezatu^{1,2}, Dan Andraş^{1,2}, Cosmin Popa^{1,2}, Marius Petruţescu¹, Delia Boţa¹, Constantin Tihon¹, Bogdan Ghiţă¹, Adrian Zarafin¹, Gabriel Vlăsceanu¹, Mircea Radu¹, Valentin Popescu^{1,2}, Bogdan Stelian Mastalier Manolescu^{1,2}

¹Colentina Clinical Hospital, General Surgery Clinic, Bucharest, Romania

²"Carol Davila" University of Medicine and Pharmacy, Bucharest, Romania

Abstract

Introduction: SARS-CoV-2 is a Betacoronavirus belonging to the Sarbecovirus subgenus of the Coronaviridae family, antigenically distinct from SARS CoV, with which it has a genetic similarity of about 76% of nucleotides (1). It causes the Covid-19 disease in humans, which mainly affects the respiratory system, through inflammatory and procoagulant mechanisms at the level of alveolar microcirculation.

Material and Method: There are 145 patients infected with SARS-CoV-2, treated in the Colentina Surgery Clinic during March-August 2020, whose cases were analysed to identify some elements that would help to improve the medical management of these patients from multiple perspectives.

Discussion: There was a slight predominance of male impairments, and the ages of interest were mostly over 60 years. The cases that required surgery were in an absolute minority (14 cases). The operations were performed only in conditions of a surgical emergency. Mortality was high (24,13%).

Key words: Sars-cov-2, Covid-19, surgical treatment