

# 7.

## RADIOLOGY

### CHAPTER

# RADIOLOGICALLY MONITORING OF HYPERBARIC O<sub>2</sub> THERAPY IN COVID-19 PNEUMONIA

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### BACKGROUND

Several studies have been published reporting COVID-19 associated features observed in Computerized Tomography (CT) even in patients with negative reverse transcriptase-polymerase chain reaction (RT-PCR) results caused an increased interest in the role of CT in the current pandemics.

The CT usage in the treatment and follow-up after diagnosis is clinically important. The hospital deaths were higher in diabetic or coronary heart disease patients (1). Elder people and people who have comorbidities may have severe and/or fatal disease course (2). It has been shown that intravascular coagulation and cytokine storm plays a major role in the prognosis of COVID-19 pneumonia leading to the consideration of different options in treatment (1-6). Hyperbaric oxygen (HBO) is thought to be a promising treatment in diagnosed patients, and it has been suggested that it may be effective due to its effect on tissue oxygenation and its anti-inflammatory properties (6-19).

Here we describe two cases with COVID-19 PCR (polymerase chain reaction) positivity who were treated with HBO therapy by discussing the changes in lung tomography findings.

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## CONFLICT OF INTEREST

The author declares that there is no conflict of interest.

## FINANCIAL DISCLOSURE

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