

Noise Sensitivity (Hyperacusis) Due to Covid-19: The First Report of a New Corona Symptom

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Abstract

Background: Coronaviruses are a large family of viruses and a subset of Coronaviridae. The present study is the first report of voice sensitivity in patients with Covid-19.

Case Report: In this case report, the patient was a 35-year-old man who referred to a private clinic specializing in infectious and febrile diseases on October 26, 2016. According to the clinical symptoms and laboratory test, the coronary test of the patient SARS-COV-2 (RdRp gene) and (E gene) SARS-COV-2 was positive. The patient suffers from severe noise sensitivity from the first day of infection until 10 days after treatment.

Conclusions: The patient was so sensitive to sound that different sounds had painful and excruciating effects on the patient's mind and psyche. Therefore, sensitivity to sound can be one of the symptoms of Covid-19.

Keywords: COVID-19, Noise Sensitivity, Case Reports, Clinical Symptoms

Introduction

Coronaviruses are a large family of viruses and a subset of Coronaviridae that range from the common cold virus to the cause of more severe illnesses such as SARS and Mercovid-19 [1]. In December 2019, in the Chinese city of Wuhan, people contracted pneumonia for no apparent reason, a new type of coronavirus was identified that could spread to humans. SARS-Cov-2 (Covid-19) is a new virus in the coronavirus category. The virus is an emerging natural and biological hazard that originated in Wuhan, China, and now pervades the

entire planet [2]. Covid-19 disease is a highly contagious infectious disease caused by the new coronavirus and can be transmitted from person to person through close contact [3]. There is currently no drug or vaccine for this disease [4]. The most important clinical symptoms at the onset of patients with Covid-19 include fever, cough, sputum, headache, vomiting, diarrhea, fatigue, rhinorrhea and chest pain, the most important of which are fever and cough [2-4].

Case Report

The patient is a 35-year-old man who referred to a private clinic specializing in infectious and febrile diseases on September 26, 2020. The patient's problem is with symptoms of fever, severe headache, cough, voice change, body aches, nausea, lethargy, sweating, difficulty breathing and sensitivity to sound. The patient's body pain was so severe that he had severe insomnia for 10 days and nights, so much so that he slept

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for a maximum of about 1 hour a day. The patient has an underlying allergy (respiratory) disease and cough with a history of 16 years of allergies. Clinically, the patient had fever, cough, lethargy and difficulty breathing, and the patient's blood oxygen was 93. Finally, according to the clinical symptoms and laboratory test, the patient's coronary test SARS-COV-2 (RdRp gene) and SARS-COV-2(E gene) were positive. The patient suffers from severe noise sensitivity from the first day of infection until 10 days after treatment.

The patient was severely sensitive to sound. The sound of dripping water, the sound of television, etc. had affected the patient's nervous system and had painful and excruciating effects on the patient's mind and psyche.

Discussion

Although the virus is known as acute respiratory syndrome, it has recently been confirmed that in addition to systemic respiratory symptoms, it also causes symptoms in other parts of the body. For example, the results of a study showed that 36.4% of patients with Covid-19 show neurological symptoms such as headache, paresthesia and confusion in consciousness [5]. The results of autopsy studies in patients with coronavirus-induced death (Covid-19) indicate inflammation of brain tissue and partial nerve degeneration [6]. There has also been a case report of viral encephalitis due to Covid-19 [7]. In Covid-19 disease, fear of illness and fear of death, along with disruption of daily activities, cause anxiety [8]. Other symptoms that may occur due to nervous system involvement due to Covid-19 include a lack of sense of smell and taste [9]. It can probably be said that this virus, like pathogenic bacteria, destroys the blood-brain barrier and causes a secondary infection inside the skull, which are the symptoms of these injuries [10]. Finally, it can be concluded that sensitivity to sound is due to nervous system involvement as well as insomnia caused by Covid-19 pain. There have been many reports of epidemics and symptoms of Covid-19 disease. This speech was written in November 2016 and about 9 months after the onset of Covid-19 disease, the above report (severe sensitivity to sound) is reported for the

first time.

With the high rate at which this disease is occurring and new symptoms are being reported every day, there is no doubt that our scientific knowledge contributes very little to our ignorance or ill-knowledge about this disease. However, there is no doubt that for the decisive fight against the epidemic of the present century (Covid-19), the publication and dissemination of all scientific knowledge is crucial.

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