

# **COVID-19 Outbreak: An Asthmatic Asymptomatic Case Report**

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## **Abstract**

Nigeria's COVID-19 pandemic is part of the 2019 worldwide coronavirus disease pandemic (COVID-19) caused by extreme acute respiratory coronavirus 2 syndrome (SARS-CoV-2). The first confirmed case was announced in Nigeria on 27 February 2020, when an Italian citizen in Lagos tested positive for the virus. A second case of the virus was reported on 9 March 2020 in Ogun State; a Nigerian citizen who was in touch with the Italian citizen. This paper presents an asymptomatic case of COVID-19.

**Keywords:** COVID-19, Nigeria, Case Report, WHO, Asymptomatic, Asthma.

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## 1. Introduction

In late December 2019, an outbreak of a mysterious pneumonia characterized by fever, dry cough, and fatigue, and occasional gastrointestinal symptoms happened in a seafood wholesale wet market, the Huanan Seafood Wholesale Market, in Wuhan, Hubei, China. The initial outbreak was reported in the market in December 2019 and involved about 66% of the staff there. The market was shut down on January 1, 2020, after the announcement of an epidemiologic alert by the local health authority on December 31, 2019. However, in the following month (January) thousands of people in China, including many provinces (such as Hubei, Zhejiang, Guangdong, Henan, Hunan, etc.) and cities (Beijing and Shanghai) were attacked by the rampant spreading of the disease. Furthermore, the disease traveled to other countries, such as Thailand, Japan, Republic of Korea, Viet Nam, Germany, United States, and Singapore. The first case reported in our country was on February 27, 2020. Globally, as of 6 p.m EST, 28 June 2020, there have been 10,070,339 confirmed cases of COVID-19, including 500,306 deaths documented by W.H.O, involving at least 25 countries. The pathogen of the outbreak was later identified as a novel beta-coronavirus, named 2019 novel coronavirus (2019-nCoV) and recalled to our mind the terrible memory of the severe acute respiratory syndrome (SARS-2003, caused by another beta-coronavirus) that occurred 17 years ago.

## 2. The Case

A 38 year old female with history of loss of sense of smell, loss of sense of taste, headache, body weakness, fever, and vomiting was admitted on 8<sup>th</sup> June, 2020 at 7:00 a.m. Past medical record indicates that the patient has been asthmatic for over sixteen years following pregnancy, and has done appendectomy surgery in the past. RT-PCR for COVID-19 returned positive.

## 3. Vital Signs

**Table 1: Patient's observation record for vital signs**

Date	Temp ( <sup>0</sup> C)	Pulse. R (bpm)	Resp. R (cpm)	B.P (mmHg)	SPO <sub>2</sub> (%)
8/06/2020	36.4	99	18	-	99
9/06/2020	36.6	98	-	-	97
10/06/2020	36.1	86	-	-	99
11/06/2020	36.0	80	20	127/80	99
13/06/2020	36.6	87	-	101/50	99
20/06/2020	36	87	20	94/61	99

### 4. Drug Chart

**Table 2: Drugs administered to patient**

Date	Time	Drug	Dose
8/06/2020	8 a.m.	Tab Azithromycin Tab Vit C Tab Immunocare Tab Zinc Tab Augumentin Tab Chloroquine	500 mg 500 mg 1 Daily 20 mg 625 mg 500 mg
	7:30 p.m.	Tab Augumentin Tab Vit C Tab Montelukast Tab Zinc Tab Piriton Tab Chloroquine Inhalation Salbutamol	625 mg 500 mg 10 mg 20 mg 4 mg 500 mg 4 Puff
9/06/2020	9 a.m.	Tab Augumentin Tab Vit C Tab Immunocare Tab Zinc Tab Piriton Tab Chloroquine Tab Azithromycin	625 mg 500 mg 1 daily 20 mg 4 mg 500 mg 500 mg
	8 p.m.	Tab Augumentin Tab Vit C Tab Zinc Tab Piriton Tab Chloroquine	625 mg 500 mg 20 mg 4 mg 500 mg
10/06/2020	10 a.m.	Tab Augumentin Tab Vit C Tab Immunocare Tab Zinc Tab Piriton Tab Chloroquine Tab Azithromycin	625 mg 500 mg 1 daily 20 mg 4 mg 500 mg 500 mg
	8 p.m.	Tab Augumentin Tab Vit C Tab Montelukast Tab Zinc Tab Piriton Tab Chloroquine Inhaled Floxotide	625 mg 500 mg 10 mg 20 mg 4 mg 500 mg 200 mg
11/06/2020	10 a.m.	Tab Augumentin Tab Vit C Tab Immunocare Tab Zinc Tab Piriton	625 mg 500 mg 1 daily 20 mg 4 mg

		Tab Chloroquine Tab Azithromycin	500 mg 500 mg
	8:35 p.m.	Tab Augumentin Tab Vit C Tab Montelukast Tab Zinc Tab Piriton Tab Chloroquine	625 mg 500 mg 10 mg 20 mg 4 mg 500 mg
13/06/2020	10 a.m.	Tab Augumentin Tab Vit C Tab Immunocare Tab Zinc Tab Piriton Tab Chloroquine Tab Azithromycin	625 mg 500 mg 1 daily 20 mg 4 mg 500 mg 500 mg
	6:25 p.m.	Tab Augumentin Tab Vit C Tab Montelukast Tab Zinc Tab Piriton Tab Chloroquine	625 mg 500 mg 10 mg 20 mg 4 mg 500 mg
14/06/2020	10 a.m.	Tab Augumentin Tab Vit C Tab Immunocare Tab Zinc Tab Piriton Tab Chloroquine Tab Azithromycin	625 mg 500 mg 1 daily 20 mg 4 mg 500 mg 500 mg
	8 p.m.	Tab Augumentin Tab Vit C. Tab Montelukast Tab Zinc Tab Piriton Tab Chloroquine	625 mg 500 mg 10 mg 20 mg 4 mg 500 mg
15/06/2020	8 a.m.	Tab Augumentin Tab Vit C Tab Immunocare Tab Zinc Tab Piriton Tab Chloroquine Tab Azithromycin	625 mg 500 mg 1 daily 20 mg 4 mg 500 mg 500 mg
	8 p.m.	Tab Augumentin Tab Vit C Tab Montelukast Tab Zinc Tab Piriton Tab Chloroquine	625 mg 500 mg 10 mg 20 mg 4 mg 500 mg

16/06/2020	10 a.m.	Tab Augumentin Tab Vit C Tab Immunocare Tab Zinc Tab Piriton Tab Chloroquine	625 mg 500 mg 1 daily 20 mg 4 mg 500 mg
	8 p.m.	Tab Augumentin Tab Vit C Tab Montelukast Tab Zinc Tab Piriton Tab Chloroquine	625 mg 500 mg 10 mg 20 mg 4 mg 500 mg
17/06/2020	9 a.m.	Tab Augumentin Tab Vit C Tab Immunocare Tab Zinc Tab Piriton Tab Chloroquine Tab Azithromycin	625 mg 500 mg 1 daily 20 mg 4 mg 500 mg 500 mg
	8 p.m.	Tab Augumentin Tab Vit C Tab Montelukast Tab Zinc Tab Piriton Tab Chloroquine	625 mg 500 mg 10 mg 20 mg 4 mg 500 mg
18/06/2020	9 a.m.	Tab Augumentin Tab Vit C Tab Zinc Tab Piriton Tab Chloroquine Tab Montelukast	625 mg 500 mg 1 daily 20 mg 4 mg 10 mg
	7:25 p.m.	Tab Augumentin Tab Chloroquine	625 mg 500 mg
	10 p.m.	Tab Montelukast Tab Chloroquine	10 mg 500 mg
19/06/2020	9 a.m.	Tab Augumentin Tab Vit C Tab Immunocare Tab Chloroquine	625 mg 500 mg 1 daily 500 mg
20/06/2020	9 a.m.	Tab Augumentin Tab Vit C Tab Chloroquine	625 mg 500 mg 500 mg

## 5. Conclusion

A total of 23 Chloroquine doses were administered within a 12-day period. A repeat of RT-PCR returned POSITIVE. However, in accordance with the Nigeria Center for Disease Control (NCDC) protocol, the patient remained asymptomatic for more than 3 days and received treatment for more than 10 days and was therefore discharged with certain prescribed medications on 20/06/2020 and advised to come in for daily temperature check and weekly clinical visits.

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