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**Manuscript NO:** 61729

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**Discrepancies in the clinical and radiological profiles of COVID-19: A case-based discussion and review of literature**

Kumar H *et al.* Discrepancies in clinical and radiological profiles of COVID-19

Hemant Kumar, Cornelius James Fernandez, Sangheetha Kolpattil, Mohamed Munavvar, Joseph M Pappachan

### Abstract

The <sup>35</sup>current gold standard for the diagnosis of coronavirus disease-19 (COVID-19) is a positive reverse transcriptase polymerase chain reaction (RT-PCR) test, on the background of clinical suspicion. However, RT-PCR has its limitations; this includes issues of low sensitivity, sampling errors and appropriate timing of specimen collection.

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Introduction

Methods

Results

Discussion

On 30th January 2020, COVID-19, formerly known as 2019 novel coronavirus (2019-nCoV), was declared to be a global health emergency by the World Health Organization[1]. Dramatic measures have been put in place to halt the progression of the virus, and as of 6th February, COVID-19 has infected over 28,000 patients with 564 confirmed deaths [2]. Knowledge of COVID-19 is still evolving, but anecdotal evidence is available suggesting that patients can be asymptomatic and infective for up to 14 days [3]. It is clear tha...

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Sep 17, 2020 · New evidence on the COVID-19 pandemic is being published daily. Ongoing high-quality assessment of this literature is therefore needed to enable clinical practice to be evidence-based. This review builds on a previous scoping review and aimed to identify associations between disease severity and various clinical, laboratory and radiological characteristics.

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Literature search. Following the Systematic Reviews and Meta-Analyses (PRISMA) checklist (see Supplementary Table S1) and the Peer Review of Electronic Search Strategies (PRESS) guideline [Reference Moher 17, Reference McGowan 18], we searched PubMed, Embase and Google Scholar from 1 December 2019 to 11 March 2020 for studies that measured and reported several characteristics of ...

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Clinical Features, Diagnosis, and Treatment of COVID-19 in ...  
https://www.frontiersin.org/articles/10.3389/fmed.2020.00231/full

May 15, 2020 · Introduction: The 2019 novel coronavirus (COVID-19) has been declared a public health emergency worldwide. The objective of this systematic review was to characterize the clinical, diagnostic, and treatment characteristics of hospitalized patients presenting with COVID-19.Methods: We conducted a structured search using PubMed/Medline, Embase, and Web of Science to collect both ...

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The spread of pandemic COVID-19 has created unprecedented need for information. The pandemic is the cause of significant mortality and with this the need for rapidly disseminated information for palliative care professionals regarding the prevalence of symptoms, their intensity, their resistance or susceptibility to symptom control and the mode of death for patients.

A false alarm of COVID-19 pneumonia in lung cancer with ...  
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Feb 01, 2021 · Pneumonitis belongs to the fatal toxicities of anti-PD-1/PD-L1 treatments. Its diagnosis is based on immunotherapeutic histories, clinical symptoms, and the computed tomography (CT) imaging. The radiological features were typically ground-glass opacities, similar to CT presentation of 2019 Novel Coronavirus (COVID-19) pneumonia. Thus, clinicians are cautious in differential diagnosis ...

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## Clinical, laboratory and radiological characteristics and ...

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## Epidemiological characteristics of COVID-19: a systematic ...

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