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Name of Journal: *World Journal of Radiology*

Manuscript NO: 64046

Manuscript Type: MINIREVIEWS

Abdominal imaging in COVID-19

Balaban DV *et al.* Abdominal imaging in COVID-19

Daniel Vasile Balaban, Oana Madalina Baston, Mariana Jinga

Abstract

Initially thought as <sup>2</sup>a respiratory infection, coronavirus disease-2019 (COVID-19) is now recognized as a complex disease with a wide clinical spectrum, including digestive involvement. While <sup>8</sup>several studies have evaluated chest imaging findings in COVID-19, few papers have looked at the abdominal imaging features of these patients. Liver, biliary, pancreas and bowel involvement have been reported in COVID-19 infected patients. In this review we aimed to summarize <sup>3</sup>currently available data related to

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### Abdominal Imaging Findings in COVID-19: Preliminary ...

<https://pubs.rsna.org/doi/10.1148/radiol.2020201908>

The **coronavirus disease 2019 (COVID-19)** pandemic, caused by the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), presents an ongoing global threat. Common clinical features reported in early confirmed infections included fever, cough, and myalgias or fatigue (1,2). As testing capacity and case numbers have increased worldwide, however, gastrointestinal (GI) symptoms, such as diarrhea, na...

Materials and Methods Results **Discussion** Author Contributions

Abdominal manifestations, including gastrointestinal (GI) symptoms and liver enzyme elevation, have been reported frequently in patients with coronavirus disease 2019 (COVID-19) (1,3). However, to our knowledge, corresponding **abdominal imaging** findings have not been published. In our study, 34% of inpatients had GI symptoms at admission, which is similar to findings in recent reports (4,5). **Abdominal imaging** was performed in 33% of inpatients with COVID-19, and 17% of patients had cross-sectional im...

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### [PDF] Abdominal Imaging Findings in COVID-19: Preliminary ...

<https://pubs.rsna.org/doi/pdf/10.1148/radiol.2020201908>

May 11, 2020 · Several reports have evaluated **chest imaging** find-ings in patients with **COVID-19**, leading to a greater understanding of pathogenesis in the lung (15,16). Despite the widening recognition of **abdominal mani-festations**, to our knowledge, corresponding **abdominal imaging** findings have not yet been reported. **Imaging**

### Images of Abdominal Imaging in COVID-19

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### Cross-Sectional Abdominal Imaging Findings in Patients ...

<https://pubmed.ncbi.nlm.nih.gov/32905406>

Salient **imaging** findings and medical records were reviewed. Results A total of 10 COVID-19-positive patients (seven males and three females) of ages ranging from 21-75 years underwent cross-sectional **abdominopelvic imaging**. Nine of the 10 patients demonstrated typical lung base findings associated with **COVID-19** on both CT and MRI.

Cited by: 4 Author: Kaustubh Shiralkar, Naga Chinapuvvula, Da...  
Publish Year: 2020

### Gastrointestinal tract imaging findings in confirmed COVID ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7873518>

Feb 10, 2021 · Thirty-five **abdominal CT imaging** studies were done for 30 confirmed **COVID 19** patients showing positive GI **imaging** findings, 21 of them were males (70%), and 9 were females (30%). Twenty-one patients were admitted to the ICU (70%), and 9 patients were isolated in the medical ward (30%).

### Abdominal imaging reveals bowel abnormalities in COVID-19 ...

<https://medcialdialogues.in/radiology/news/abdominal-imaging-reveals-bowel...>

May 17, 2020 · Several studies have evaluated the **chest imaging** findings in COVID-19, which helped improve understanding of how the disease affects the lungs. More recently, reports have documented that gastrointestinal symptoms, liver injury, and vascular findings are common in these patients. However, **abdominal imaging** findings have not yet been widely reported.

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### Bowel Abnormalities, Cholestasis in COVID-19 Radiologic ...

<https://advances.massgeneral.org/radiology/journal.aspx?id=1658>

Aug 28, 2020 · Key findings This study correlated **abdominal imaging** findings with **abdominal** signs and symptoms in 412 adult inpatients with **COVID-19**, of whom 136 were admitted to the ICU 33% of the patients had **abdominal imaging** and 17% had cross-sectional **imaging** 31% of 42 CT scans showed bowel wall abnormalities

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### COVID-19: First bowel imaging study implicates blood clots

<https://www.medicalnewstoday.com/articles/covid-19...>

May 14, 2020 · **COVID-19: First bowel imaging** study implicates blood clots People with **COVID-19** often experience gastrointestinal symptoms. An analysis of **abdominal** scans suggests that blood clots in ...

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### COVID-19 presenting as severe, persistent abdominal pain ...

<https://pubmed.ncbi.nlm.nih.gov/32546557>

COVID-19 presenting as severe, persistent **abdominal** pain and causing late respiratory compromise in a 33-year-old man *BMJ Case Rep* . 2020 Jun 16;13(6):e236030. doi: 10.1136/bcr-2020-236030.

Author: Sarah Catherine Walpole, Rebecca MCh... Publish Year: 2020

### COVID-19: Gastrointestinal symptoms and complications ...

<https://www.uptodate.com/contents/covid-19...>

Mar 24, 2021 · INTRODUCTION – In February 2020, the World Health Organization designated the disease **COVID-19**, which stands for "coronavirus disease 2019," a pandemic. The virus that causes **COVID-19** is the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). **COVID-19** primarily manifests as a lung infection, with most symptomatic patients presenting with fever and respiratory ...

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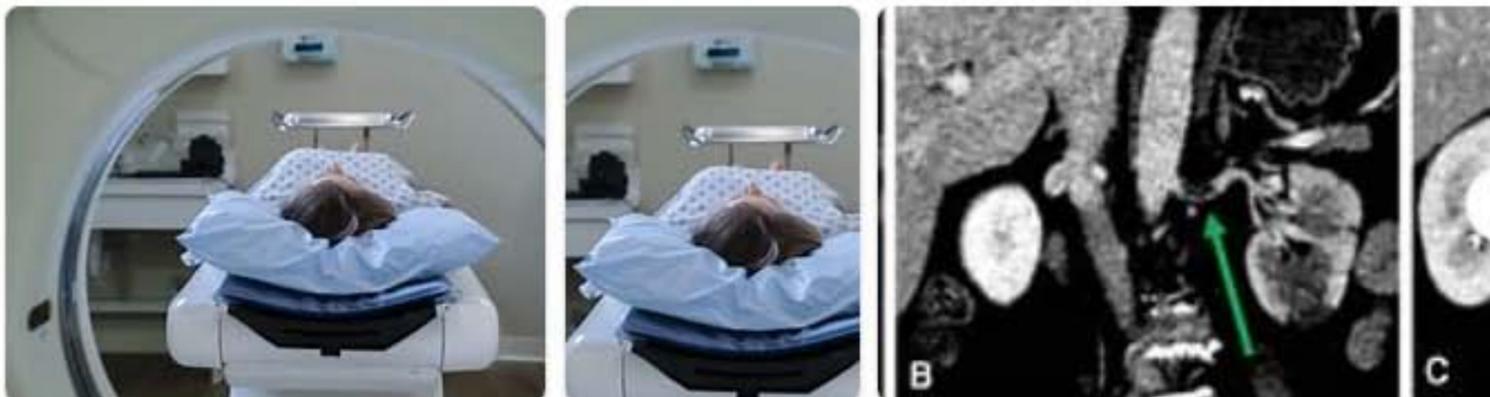
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