Review of: "[Review Article] Interventional Radiology And CT Scan in SARS-COV-2: A Review"

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Potential competing interests: No potential competing interests to declare.

As of my last knowledge update in January 2022, here is a summary of the role of interventional radiology and CT scans in the context of SARS-CoV-2, the virus that causes COVID-19.

1. CT Scan in COVID-19:

- **Diagnosis:** Chest CT scans have been used in the diagnosis of COVID-19, especially in situations where reverse transcription-polymerase chain reaction (RT-PCR) testing is inconclusive or not readily available.
- **Characteristics:** COVID-19 pneumonia often presents with specific radiological features on CT scans, such as ground-glass opacities, consolidations, and bilateral involvement. However, CT findings alone are not sufficient for a definitive diagnosis.

2. Interventional Radiology Procedures:

- **Pulmonary Interventions:** Interventional radiology may be involved in managing respiratory complications of COVID-19, such as pneumothorax or pleural effusion. Procedures like chest tube insertion or drainage may be performed.
- **Vascular Interventions:** COVID-19 is associated with an increased risk of thromboembolic events. Interventional radiologists may be involved in procedures like thrombolysis, thrombectomy, or the placement of filters in the venous system.
- **Abscess Drainage:** In severe cases with secondary bacterial infections, interventional radiology procedures may include draining abscesses or infected fluid collections.

3. Follow-up Imaging:

- CT scans may be used for follow-up imaging to monitor the progression or resolution of lung abnormalities in patients recovering from COVID-19.

4. Precautions:

- Healthcare providers, including interventional radiologists, must follow strict infection control protocols to minimize the risk of transmission during procedures.

5. Research and Evolving Practices:

- Ongoing research may lead to further insights into the role of imaging and interventional radiology in managing COVID-19 patients.
- Practices and recommendations may evolve based on the latest scientific evidence and clinical experiences.

It is crucial to consult current guidelines and literature for the most recent information on the role of interventional radiology and CT scans in the context of SARS-CoV-2. Local health authorities and professional medical organizations can provide updated recommendations based on the latest research and clinical experiences.