



COVID-19 Resources

From the Ultrasound Institute at University of South Carolina School of Medicine - Columbia

(Updated 4/3/2020)

1. COVID – The evolving pandemic – daily numbers

- a. Global, nations, and cities - by Johns Hopkins:

<https://www.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd40299423467b48e9ecf6>

- b. In South Carolina by county DHEC: <https://www.scdhec.gov/infectious-diseases/viruses/coronavirus-disease-2019-covid-19/monitoring-testing-covid-19>

- c. More data and informatics from **Financial Times**:

<https://www.ft.com/coronavirus-latest?fbclid=IwAR2FXBA9ooKucn1WHHMENojoTNoiDvNKkdOV5IAwRP3W36oPJNssMUGgRzk>

2. COVID – the essentials – testing, transmission, and management from the CDC

Testing: [Criteria to Guide Evaluation of a Person Under Investigation for COVID-19](#)

Transmission: https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/how-covid-spreads.html?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fabout%2Findex.html

Management: [Clinical Guidance for Management of Patients with Confirmed COVID-19](#)

3. State, National, and International Resource Centers: COVID-19 webpages

- a. American Association of Colleges of Osteopathic Medicine (AACOM):
<https://www.aacom.org/coronavirus>
- b. American Medical Association (AMA): <https://www.ama-assn.org/delivering-care/public-health/covid-19-2019-novel-coronavirus-resource-center-physicians>
- c. American Nursing Association (ANA): <https://www.nursingworld.org/practice-policy/work-environment/health-safety/disaster-preparedness/coronavirus/>
- d. Association of American Medical Colleges (AAMC):
<https://www.aamc.org/coronavirus-covid-19-resource-hub>
- e. Center for Disease Control (CDC): <https://www.cdc.gov/coronavirus/2019-ncov/index.html>
- f. Coronavirus USA Governmental Site: <https://www.coronavirus.gov/>
- g. Médecins Sans Frontières (MSF)- Doctors Without Borders:
<https://www.msf.org/covid-19-depth>
- h. Medical Letter: <https://secure.medicalletter.org/w1595a>
- i. National Institute of Health (NIH): <https://www.nih.gov/health-information/coronavirus>
- j. South Carolina Department of Health and Environmental Control:
<https://www.scdhec.gov/infectious-diseases/viruses/coronavirus-disease-2019-covid-19>
- k. South Carolina Hospital Association: <https://scha.org/initiatives/emergency-preparedness/covid-19/>
- l. World Health Organization (WHO):
<https://www.who.int/emergencies/diseases/novel-coronavirus-2019>

4. National Specialty and Subspecialty Organizations -COVID webpages

- a. American Academy of Family Physicians (AAFP): https://www.aafp.org/dam/AAFP/documents/patient_care/public_health/COVID19_home_prep-tips.pdf
- b. American Academy of Pediatrics (AAP): <https://services.aap.org/en/pages/2019-novel-coronavirus-covid-19-infections/>
- c. American Academy of Physician Assistants: <https://www.aapa.org/news-central/covid-19-resource-center/frequently-asked-questions/>
- d. American College of Cardiology (ACC): <https://www.acc.org/latest-in-cardiology/features/accs-coronavirus-disease-2019-covid-19-hub#sort=%40commonsorthdate90022%20descending>
- e. American College of Chest Physicians (ACCP): <https://www.chestnet.org/Guidelines-and-Resources/Resources/CHEST-Novel-Coronavirus-Resources>
- f. American College of Emergency Physicians (ACEP): <https://www.acep.org/corona/COVID-19/>
- g. American College of Gastroenterology (ACG): <https://gi.org/media/covid-19-and-gi/>
- h. American College of Obstetricians and Gynecologists (ACOG): <https://www.acog.org/en/Topics/COVID-19>
- i. American College of Physicians (ACP): <https://www.acponline.org/clinical-information/clinical-resources-products/coronavirus-disease-2019-covid-19-information-for-internists>
- j. American College of Radiology (ACR): <https://www.acr.org/Clinical-Resources/COVID-19-Radiology-Resources>
- k. American College of Rheumatology (ACR): <https://www.rheumatology.org/announcements>
- l. American College of Surgeons (ACS): <https://www.facs.org/covid-19/clinical-guidance>

- m. American Neurological Association (ANA):
<https://myana.org/publications/news/ana-covid-19-update>
- n. American Physiological Society (APS):
<https://www.physiology.org/career/teaching-learning-resources/covid-19-resources?SSO=Y>
- o. American Psychiatric Association (APA):
<https://www.psychiatry.org/psychiatrists/advocacy/federal-affairs/covid-19-coronavirus>
- p. American Society of Clinical Pathology (ASCP):
[https://www.ascp.org/content/get-involved/institute-of-science-technology-policy/coronavirus-2019-\(covid-19\)-resources](https://www.ascp.org/content/get-involved/institute-of-science-technology-policy/coronavirus-2019-(covid-19)-resources)
- q. American Society of Nephrology (ASN): <https://www.asn-online.org/>
- r. American Thoracic Society (ATS):
<https://www.thoracic.org/professionals/clinical-resources/disease-related-resources/novel-coronavirus.php>
- s. College of American Pathologists (CAP) COVID-19 landing page:
<https://www.cap.org/news/2020/latest-on-the-novel-coronavirus-covid-19>
- t. Infectious Diseases Society of American (IDSA):
<https://www.idsociety.org/public-health/COVID-19-Resource-Center/>
- u. National Association of Emergency Medical Technicians:
<https://www.naemt.org/initiatives/covid-19>
- v. Society of Critical Care Medicine (SCCM): <https://www.sccm.org/disaster>
- w. Society of Hospital Medicine (SHM): <https://www.hospitalmedicine.org/clinical-topics/coronavirus-disease-2019-covid-19-resources-for-hospitalists/>

5. National and International Ultrasound Organizations

- a. Alliance for Physician Certification and Advancement (APCA):
<https://www.apca.org/important-notice-regarding-covid-19/>

- b. American Institute of Ultrasound in Medicine (AIUM):
<https://www.aium.org/soundWaves/article.aspx?ald=1120&ild=20200401>
- c. American Registry for Diagnostic Medical Sonography (ARDMS):
<https://www.ardms.org/important-notice-regarding-covid-19/>
- d. American Society of Echocardiography (ASE): <https://www.asecho.org/ase-statement-covid-19/>
- e. Society of Diagnostic Medical Sonography (SDMS):
[https://www.sdms.org/news/2020/03/11/sdms-update-coronavirus-disease-2019-\(covid-19\)](https://www.sdms.org/news/2020/03/11/sdms-update-coronavirus-disease-2019-(covid-19))
- f. Society of Ultrasound in Medical Education (SUSME): <https://www.susme.org/>
- g. World Federation for Ultrasound in Medicine and Biology (WFUMB):
<https://wfumb.info/?s=covid>
- h. World Federation for Ultrasound in Medicine and Biology Affiliate Members:
 - 1. Asian Federation for Ultrasound in Medicine and Biology (AFSUMB)
 - 2. American Institute of Ultrasound in Medicine (AIUM)
 - 3. Australasian Society for Ultrasound in Medicine (ASUM)
 - 4. European Federation for Ultrasound in Medicine and Biology (EFSUMB)
 - 5. Federation of Latin American Ultrasound Societies (FLAUS)
 - 6. Mediterranean and African Society of Ultrasound (MASU).
- i. World Interactive Network Focused On Critical UltraSound (WINFOCUS):
<http://winfocus.org/covid-19/>

6. The role of lung ultrasound in COVID-19: triage, diagnosis, and management

Giovanni Volpicelli - a world authority in lung ultrasound in Italy and presently managing many COVID-19 patients:

Medscape Interview article:

https://www.radiologybusiness.com/topics/care-delivery/ultrasound-coronavirus-covid-19-x-ray-ct-scan-radiology?utm_source=newsletter&utm_medium=rb_weekly

Youtube video (29 min):

<https://www.youtube.com/watch?v=kWORAYuPK4E&t=41s>

7. COVID-19 and lung ultrasound: early experiences in China and Italy

- a. *Findings of lung ultrasound of novel coronavirus pneumonia during the 2019-2020 epidemic.* Intensive Care Medicine:(experience out of China)
<https://link.springer.com/article/10.1007/s00134-020-05996-6>
- b. *Point-of-Care Lung Ultrasound findings in novel coronavirus disease-19 pneumonia: a case report and potential applications during COVID-19 outbreak.* European Review for Medical and Pharmacological Sciences: (experience out of Italy)
<https://www.europeanreview.org/wp/wp-content/uploads/2776-2780.pdf>

8. Standardizing the Lung Ultrasound Protocol for COVID-19

- a. *Proposal for international standardization of the use of lung ultrasound for COVID-19 patients; a simple, quantitative, reproducible method.* Journal of ultrasound in medicine March 30 2020:
<https://onlinelibrary.wiley.com/doi/abs/10.1002/jum.15285>
- b. Another important publication by the above authors: *Is there a role for lung ultrasound during the COVID-19 pandemic?*
<https://onlinelibrary.wiley.com/doi/10.1002/jum.15284>

9. Ultrasound – Scanning the Lung

- a. **From the University of South Carolina Ultrasound Institute**
 - i. **How to perform lung ultrasound:**
<https://www.youtube.com/watch?v=W0lz8-km6hE&t=1s>
 - ii. **Looking for COVID 19 on lung ultrasound: (video to be released soon)**

10. Industry Resources for COVID

- i. Butterfly: <https://www.butterflynetwork.com/>
- ii. Clarius: <https://clarius.com/covid-19/>
- iii. EchoNous: <https://twitter.com/echonous?lang=en>
- iv. Fujifilm Sonosite: <https://www.sonosite.com/>
- v. GE Healthcare: <https://www.gehealthcare.com/corporate/covid-19>
- vi. Mindray: [https://www.mindray.com/en/news/details/Mindray in Action to Combat COVID-19.html](https://www.mindray.com/en/news/details/Mindray%20in%20Action%20to%20Combat%20COVID-19.html)
- vii. Philips: <https://www.usa.philips.com/healthcare/medical-specialties/covid-19#!>
- viii. Siemens: <https://www.corporate.siemens-healthineers.com/covid-19>

11. Ultrasound Training Centers with COVID-19 Resources

- i. 123 Sonography: <https://www.123sonography.com/covid-19>

12. Publishers Open Access to Coronavirus Resources

- i. Wiley: <https://novel-coronavirus.onlinelibrary.wiley.com/>