COVID-19 Medical Imaging Safety

Researchers and radiologists at several prominent health care organizations are cautioning doctors that patients may experience swollen lymph nodes following COVID-19 vaccination.

Swollen lymph nodes are a common occurrence when vaccination prompts a strong immune response. On mammography and chest images, this can mimic the appearance of serious conditions like cancer. If you need to undergo breast or chest imaging, tell your doctor about your vaccination history prior to your exam.

You should also schedule your annual screening mammogram either before or at least 6 weeks after your last COVID-19 vaccination to reduce the need for additional testing. However, if you are having breast symptoms, do not delay your mammogram.

Talk to your doctor if you have any questions about COVID-19 vaccine side effects and whether you should reschedule an upcoming exam.

For more information about breast and chest imaging, see the Mammography (https://www.radiologyinfo.org/en/info/mammo) and Chest CT (https://www.radiologyinfo.org/en/info/chestct) pages.

Is it Safe to Have an Imaging Exam Now?

As vaccines have become more widely available, every state in the U.S. has eased restrictions to varying degrees. Hospital radiology departments, imaging centers, and other facilities are open to provide general medical care, including imaging exams.

Radiologists and other health professionals share the public’s concerns about safety, especially when it comes to seeking medical care unrelated to COVID-19. In response to these concerns, the medical community is continuing to take extra precautions to reduce the risk of virus exposure as much as possible.

Talk to your doctor if you have any concerns about seeking medical care or undergoing medical imaging. In most cases, the benefit of medical care and imaging to your overall health far outweighs any possible risk of infection.

How is My Imaging Facility Practicing COVID Safety?

Imaging facilities have modified their internal procedures to help manage the flow of patients and minimize the risk of COVID exposure. Safety measures may differ between facilities. **Call your imaging facility staff before your exam if you have concerns about how they will maintain your safety.** Facility safety measures may include:

- Staff using face masks and other protective equipment when needed, hand washing, etc. Many facilities still require face mask use anywhere inside the facility
- Health checks at entrances to identify all individuals displaying COVID symptoms
- Visitor restrictions to reduce exposures
- Increased cleaning of exam rooms
- Use high-efficiency particulate air (HEPA) filtration in exam rooms or added time between patients to allow for increased air circulation
• Regulate social distancing in waiting rooms and other spaces
• Extend hours of operation and stagger patient appointment times to maintain social distancing and help provide time for thorough cleaning between exams

Always tell your facility before you arrive if you have any COVID symptoms and if you have been in physical contact with anyone who has COVID-19. This will help staff make your visit as safe as possible for everyone.

Although most people with COVID-19 get better within weeks of illness, some people experience post-COVID conditions, also known as “Long COVID”. CDC and experts around the world are working to learn more about short- and long-term health effects associated with COVID-19, who gets them, and why. Information about post-COVID conditions (https://www.cdc.gov/coronavirus/2019-ncov/long-term-effects/index.html) is updated by the CDC.

If you have COVID symptoms, the imaging staff will likely isolate you and make special arrangements to safely perform your exam. For example, some patients may be scanned within an isolation room using portable equipment. Chest x-rays and other exams may be performed through the glass window of an isolation room.

Talk to your doctor if you have any questions about COVID safety or symptoms. Many patients search the Internet for the answers to their questions. However, it is important to note that much of the COVID information on the Internet is false and potentially dangerous. Be sure to only consult trusted, recognized sources of credible information, such as RadiologyInfo.org (https://www.radiologyinfo.org/), the World Health Organization (WHO) (https://www.who.int/emergencies/diseases/novel-coronavirus-2019), and the US Centers for Disease Control and Prevention (https://www.cdc.gov/). For more information, visit:

• Pneumonia (https://www.radiologyinfo.org/en/info/pneumonia) (RadiologyInfo.org)
• Chest CT (https://www.radiologyinfo.org/en/info/chestct) (RadiologyInfo.org)

If you still have questions or concerns about COVID symptoms and/or safety, talk to your doctor and your medical imaging facility staff before your appointment.

Disclaimer

This information is copied from the RadiologyInfo Web site (http://www.radiologyinfo.org) which is dedicated to providing the highest quality information. To ensure that, each section is reviewed by a physician with expertise in the area presented. All information contained in the Web site is further reviewed by an ACR (American College of Radiology) - RSNA (Radiological Society of North America) committee, comprising physicians with expertise in several radiologic areas.

However, it is not possible to assure that this Web site contains complete, up-to-date information on any particular subject. Therefore, ACR and RSNA make no representations or warranties about the suitability of this information for use for any particular purpose. All information is provided “as is” without express or implied warranty.

Please visit the RadiologyInfo Web site at http://www.radiologyinfo.org to view or download the latest information.

Note: Images may be shown for illustrative purposes. Do not attempt to draw conclusions or make diagnoses by comparing these images to other medical images, particularly your own. Only qualified physicians should interpret images; the radiologist is the physician expert trained in medical imaging.

Copyright

This material is copyrighted by either the Radiological Society of North America (RSNA), 820 Jorie Boulevard, Oak Brook, IL 60523-2251 or the American College of Radiology (ACR), 1891 Preston White Drive, Reston, VA 20191-4397. Commercial reproduction or multiple distribution by any traditional or electronically based reproduction/publication method is prohibited.

Copyright © 2023 Radiological Society of North America, Inc.