

# **Video radiology reports valuable for improving patient-centered care**

April 20 2022

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Video Report

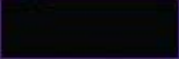


Screenshot shows easy-to-understand buttons to start, pause, and stop recording; rewind; and preview or review area with increased-visibility mouse cursor. Arrow points to calcaneonavicular coalition on cinematically rendered image. Credit: American Roentgen Ray Society, *American Journal of Roentgenology*

According to research published in the *American Journal of Roentgenology*, video radiology reports have the potential to improve radiologists' communication with patients, highlighting the importance of imaging in patient-centered care.

"Patient-centered [video radiology](#) reports are a useful tool to help improve patient understanding of imaging results," explained lead researcher Michael P. Recht, the Louis Marx professor and chair of radiology at New York University's Grossman School of Medicine. "The mechanism of creating the video reports and delivering them to patients can be integrated into existing informatics infrastructure."

Recht and colleagues collaborated with Visage Imaging GmbH to build an integrated video reporting tool inside the diagnostic viewer, allowing for both image and voice capture. To aid patient understanding of cross-sectional images, cinematic rendered images were automatically created. For their incorporation into video reporting, these images were immediately available at the workstation. Video radiology reports were then uploaded to the institutional health portal, alongside clinical notes and examination images. Finally, a 10-question survey was administered to patients, assessing their perception of the video reports and requesting feedback.

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## DOPPLER [IMG16409]


Status: Final result

### Procedures Performed

Code	Procedure Name
IMG16409A	US ABDOMEN COMPLETE WITHOUT DOPPLER

### Video Report: Your Results Explained

[Click Here to Watch Your Video Report](#)

Watch a short video where a  radiologist describes an important finding on your imaging exam. Please also follow up with your doctor to discuss the written report and results. Learn more about video reports at the bottom of this page.

### Your Exam Images

[Click Here to View Your Images](#)

View the images that were taken during your exam. Please also follow up with your doctor to discuss the written report and results.

### WRITTEN REPORT

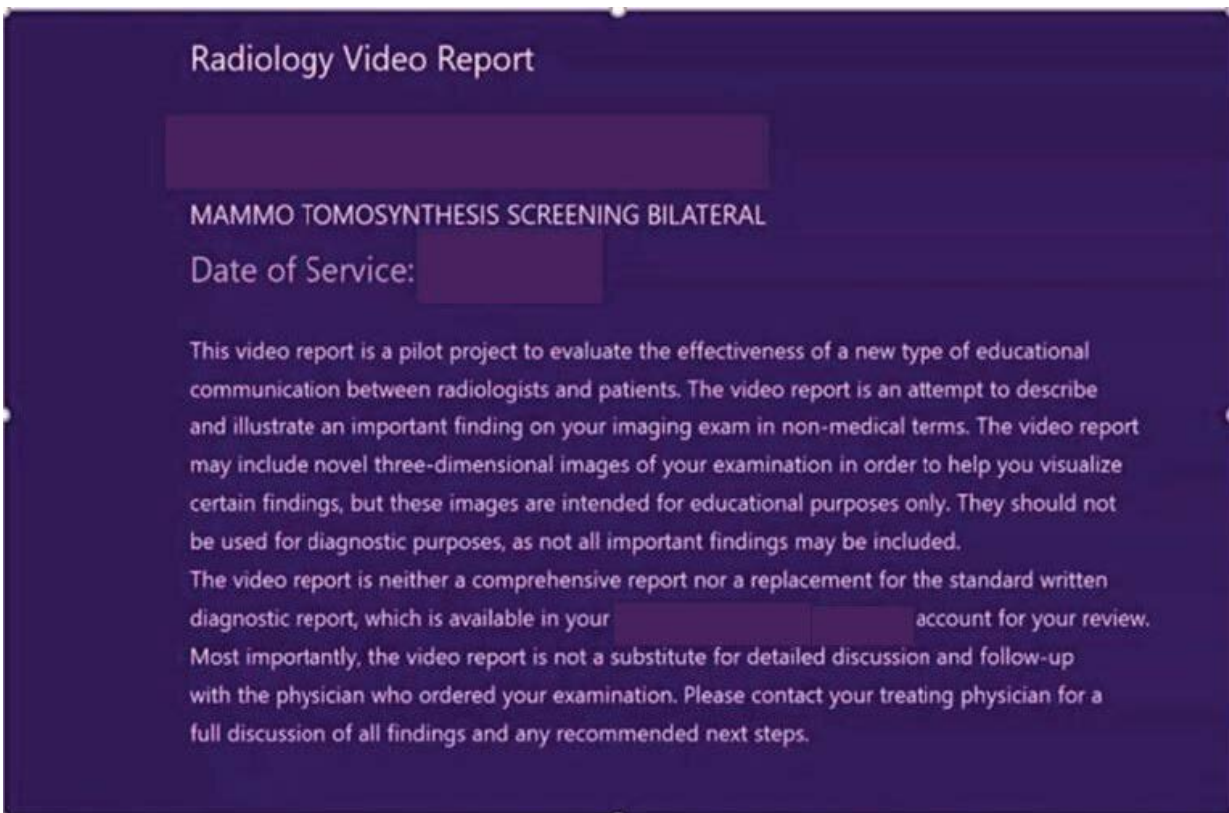
#### IMPRESSION:

1. Cholelithiasis without evidence of acute cholecystitis.
2. Diffuse hepatic steatosis.

Screenshot shows appearance of revised videoradiology report link in patient portal with link at top of report to increase conspicuity. Credit: American Roentgen Ray Society

From September 20, 2021 to January 22, 2022, 105 out of 227 faculty radiologists created a total of 3,763 video radiology reports, with patients

viewing 864 unique videos. Based on 101 survey respondents, patients rated their overall experience with video radiology reporting a 4.7 out of 5. Specifically, video radiology reports using lay language and annotated images helped improve [patients'](#) understanding of their results.



Disclaimer and explanation placed at beginning and end of each video radiology report. Credit: American Roentgen Ray Society, *American Journal of Roentgenology*

Pointing out that the mean time to create a video radiology [report](#) was under 4 minutes, "continued development is necessary to further shorten the creation time, so that use of video reports can expand from limited use in selected cases to more widespread use in daily clinical practice,"

Recht et al. added.

**More information:** Michael P. Recht et al, Video Radiology Reports: A Valuable Tool to Improve Patient-Centered Radiology, *American Journal of Roentgenology* (2022). [DOI: 10.2214/AJR.22.27512](https://doi.org/10.2214/AJR.22.27512)

Provided by American Roentgen Ray Society

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