



Viz.ai

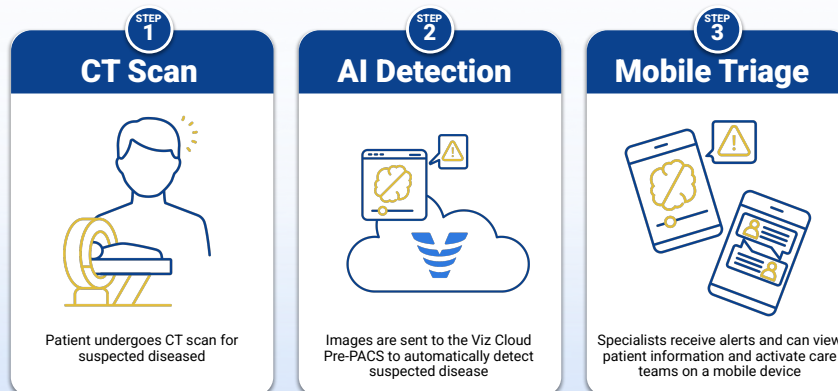
# Synchronized Neuro Care

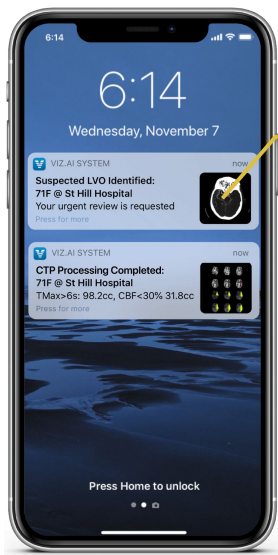
## Quick App User Guide

## How Viz.ai works




**Viz.ai uses artificial intelligence to automatically detect and alert you to positive cases of suspected disease in your hub and spoke network.**





**Review Patient Case**

Click notification to review suspected LVO Case.



## Immediate Alerts to Your Care Team

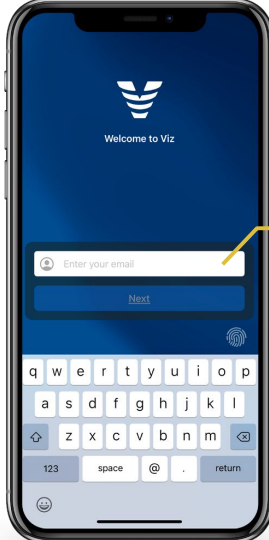

Your care team receives notifications prompting the review of a patient's imaging as soon as Viz.ai's artificial intelligence algorithms detect a suspected disease.

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## Secure, HIPAA-Compliant Login

Securely login to review patient images, examine clinical history, message other members of the stroke team, and call referral facilities. Viz is compatible with Apple and Android mobile devices.

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A smartphone screen showing the 'Welcome to Viz' login page. It features a text input field labeled 'Enter your email' with a 'Next' button below it. A yellow arrow points from a text box to the input field. A keyboard is visible at the bottom of the screen.

**Secure Login**  
Login using password, fingerprint or FaceID.

**Identify Patients**  
See patient's name, MRN, age, gender, and hospital of initial image acquisition.

**Suspected LVO Cases**  
See patient's name, MRN, age, gender, and hospital of initial image acquisition.

**Suspected ANEURYSM Cases**  
Icon Flag indicates a positive suspected brain aneurysm case.

**Suspected ICH Cases**  
Icon Flag indicates a positive suspected ICH case.

**Search for Patients**

**See Specific Suspected Disease Cases vs All Cases**  
Filter for only positive cases or see all cases.

**Message the Stroke Team**

**Access Patient Cards**  
Easily share and access patient info and call members of the care team.

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**Review Positive Suspected LVO, ICH and ANEURYSM Cases**

See the positive cases of suspected LVO, ICH and brain aneurysm in your network in a single mobile interface. Click any case highlighted flag (yellow for LVO, pink for ICH, or blue for Aneurysm), to review the urgent findings detected by Viz.ai's artificial intelligence.

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**Patient Imaging Library**

Review each imaging study performed for a given patient. Imaging includes CTA, NCCT, CTP, MRI and X Ray. Imaging where a suspected LVO, ICH or Aneurysm have been identified will be highlighted.

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**Click to Review Imaging**  
Icon Flag indicates a positive suspected LVO case.

**Go Back to Cases**

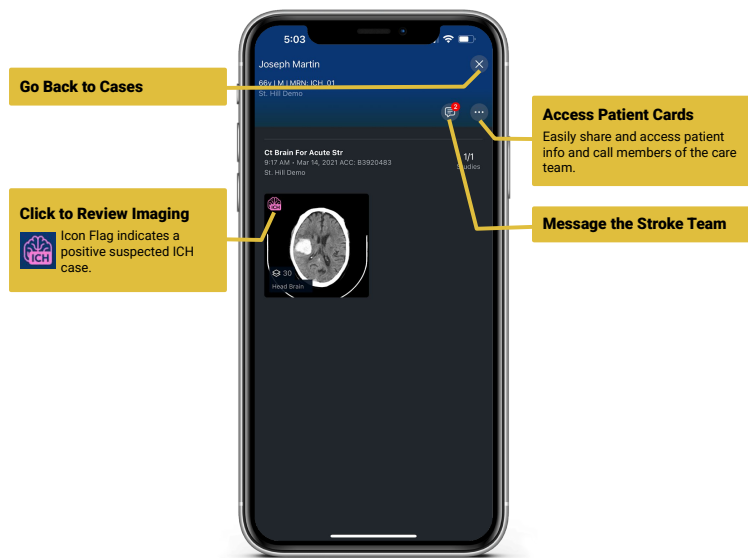
**Access Patient Cards**  
Easily share and access patient info and call members of the care team.

**Message the Stroke Team**

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# NCCT Scans

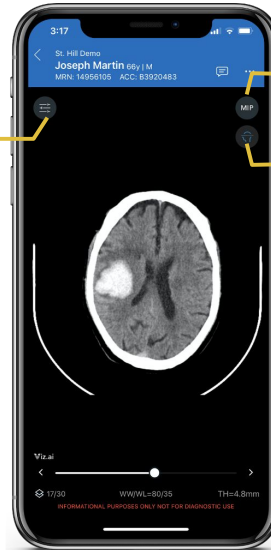


## Viz ICH

Review each imaging study performed for a given patient. Imaging includes NCCTs where suspected ICH's have been identified by the Viz ICH algorithm.

# ICH Visualization on NCCT

Easily review ICH imaging on NCCT. Manipulate MIPs, change axial orientation, adjust window and level, and zoom.



**Image Settings**  
Adjust image windowing and leveling.

**Change MIP Settings**  
Adjust slice thickness as needed.

**Change Orientation**  
Review axial, sagittal and coronal images

**Go Back to Cases**

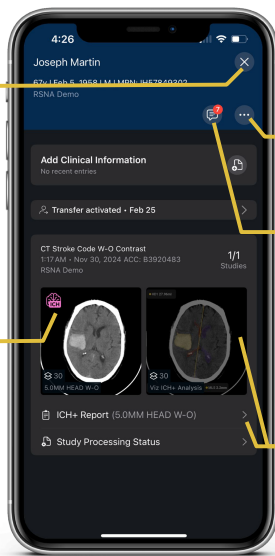
**Access Patient Cards**  
Easily share and access patient info and call members of the care team.

**Message the Stroke Team**

**Click to Review Imaging**

Icon Flag indicates a positive suspected ICH case.

**Access Measurements**



# Viz ICH and ICH+

Review each imaging study performed for a given patient. Imaging includes NCCTs where suspected ICH's have been identified by the Viz ICH algorithm.

ICH+ study includes hyperdense measurements. Study generated for all NCCT series.



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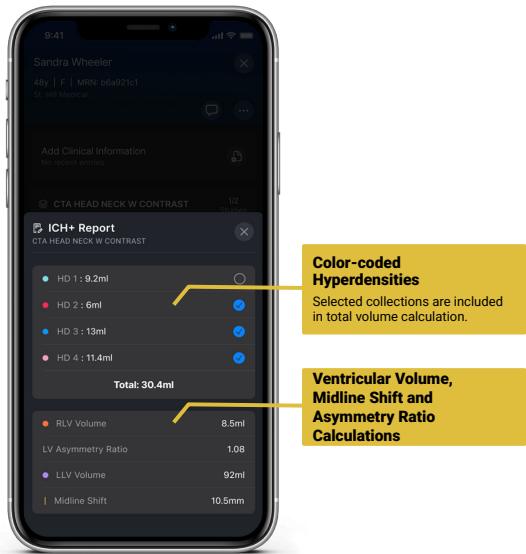
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## Review NCCT scans for ICH

Viz ICH+ uses advanced artificial intelligence technology to automatically analyze NCCT images of the brain and automatically identify all hyperdense collections with color coded overlays. Ventricular volume and midline shift are also automatically calculated and presented on the screen.

Select the Report button for a full measurement report.

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## Viz ICH+ Measurement Report

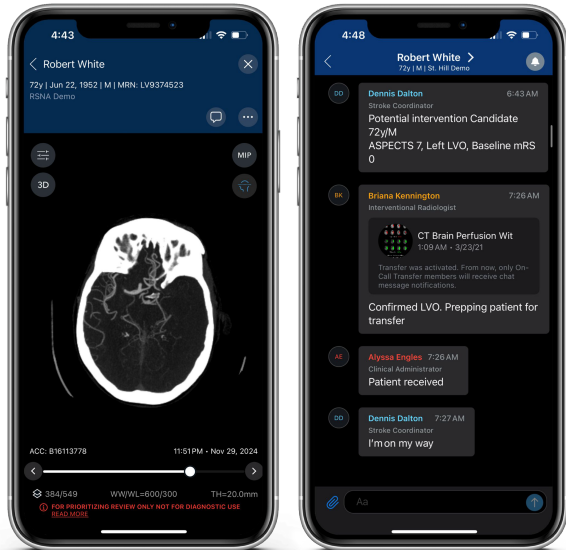
Users can select the most relevant outputs to determine total volume.

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# How Viz Assist fits within your workflow



# Care Coordination



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## Coordinate Care with Care Team for a Specific Patient

Communicate with other members of the neuro care team using secure and HIPAA-compliant messages. Messages can be sent when a patient has been identified, when the transport transfer service has arrived, when the surgical team has been activated, and much more.

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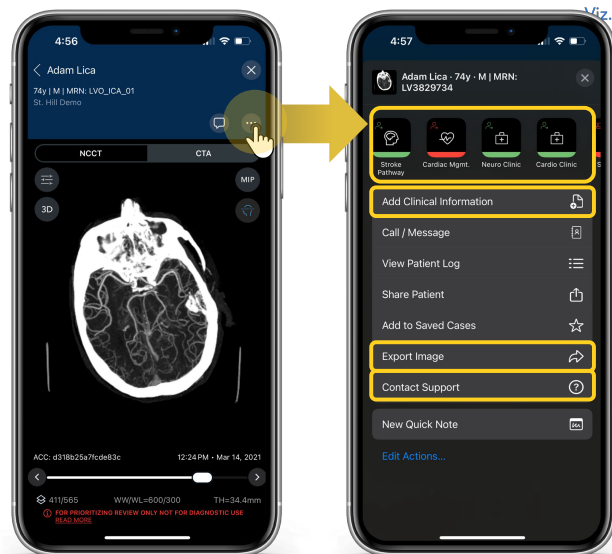
## Access the Patient Card

Click on the patient card to easily add patient information, contact your care team, export de-identified images, or contact support

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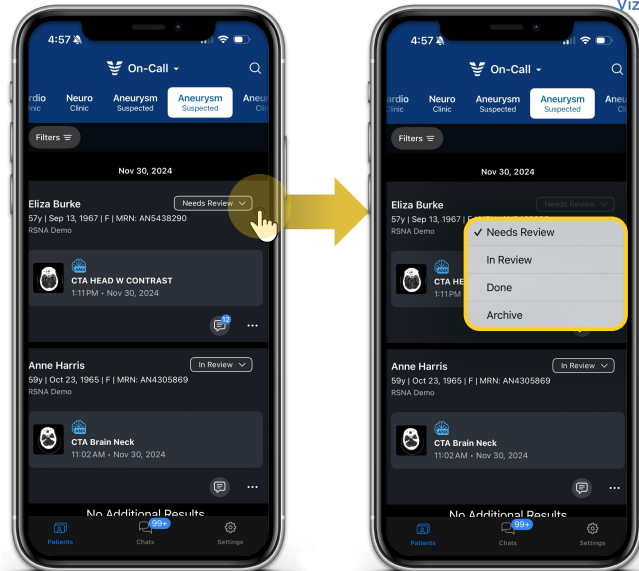
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## Update Patient Status

Easily manage follow-up and streamline care coordination by updating the patient status directly in the patient card.

To update the status, click the the drop down menu in the **top right corner** and select the appropriate option.

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## Clinical Information

Perform a guided NIHSS evaluation and enter patient information including baseline mRS, clinical presentation, ASPECTS, ICH Score, radiological findings, tPA status and many more. Upon saving patient information, the patient log is updated and the care team is notified.



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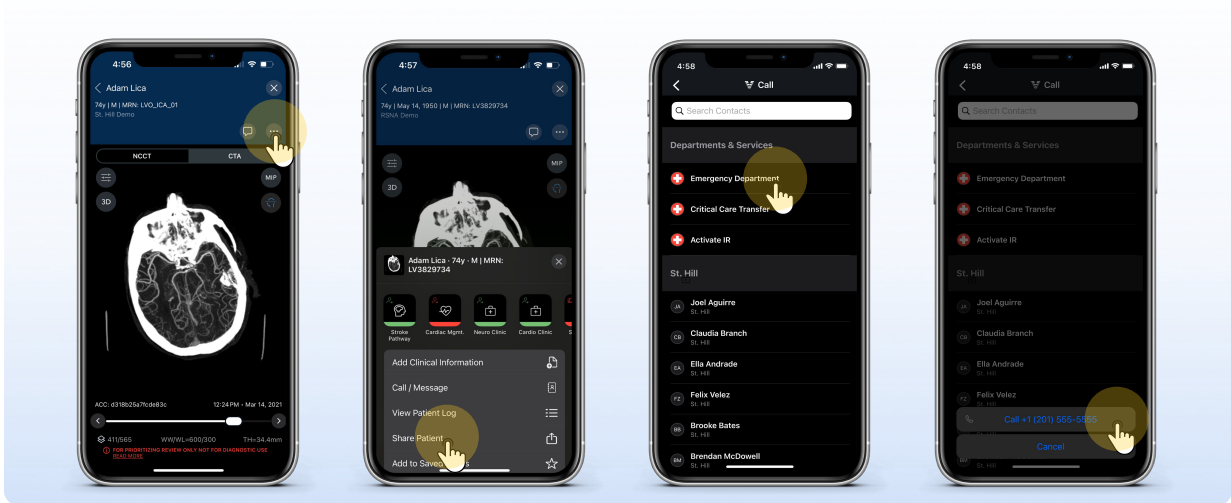
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# Call Care Team



All cases can be shared securely (with patient identifiable information) within the Viz app to any member of your care team.



# Share Identified Case With Care Team



All members of your care team are loaded into an easily accessible directory enabling fast and easy care coordination across a hub and spoke network.



## View Patient Log



Review a central repository of key time intervals in the workflow and see who from the clinical team has reviewed the patient's images, entered clinical information, sent messages and made phone calls.



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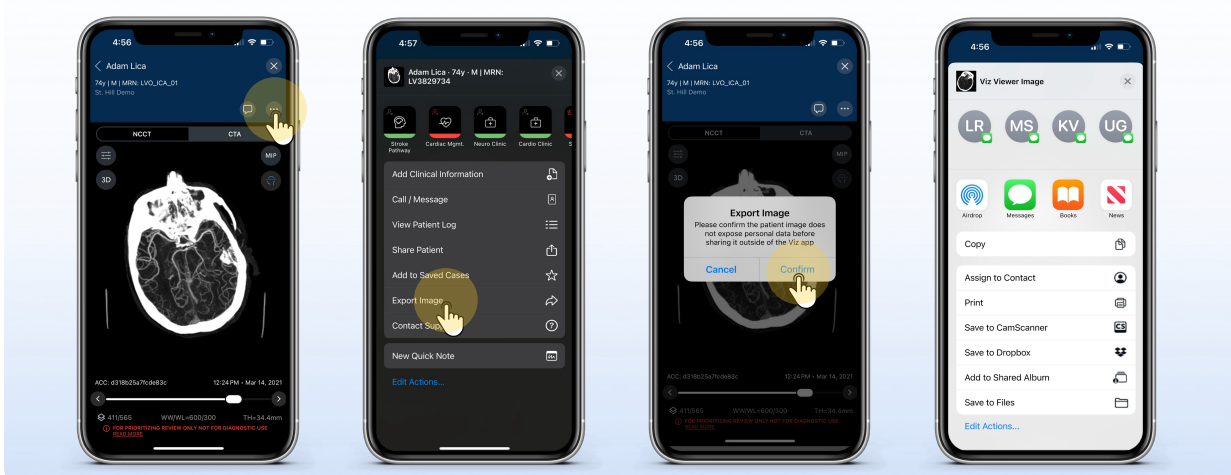
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## Export An Image



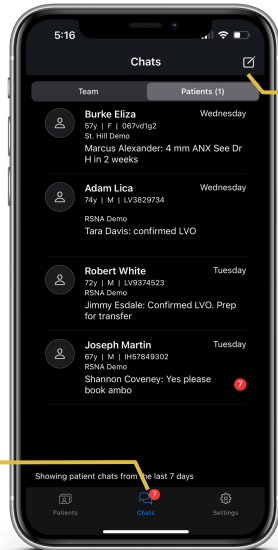
Export de-identified patient imaging for easy, HIPAA compliant, case sharing with peers outside of the Viz app. Exported de-identified, images can be sent to colleagues at other institutions via text message or email, saved or uploaded directly to another app.



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**Access HIPAA Compliant Chats**  
Switch between patients and chats with a single button.

**Create New Custom Groups**  
Select specific members of the care team or chat one on one with team members.

## Create Custom, HIPAA Compliant Chats Outside the Patient Card

Create "WhatsApp-like" custom chats with select team members and conveniently access them in the "Teams" folder.

## Create A Group Chat

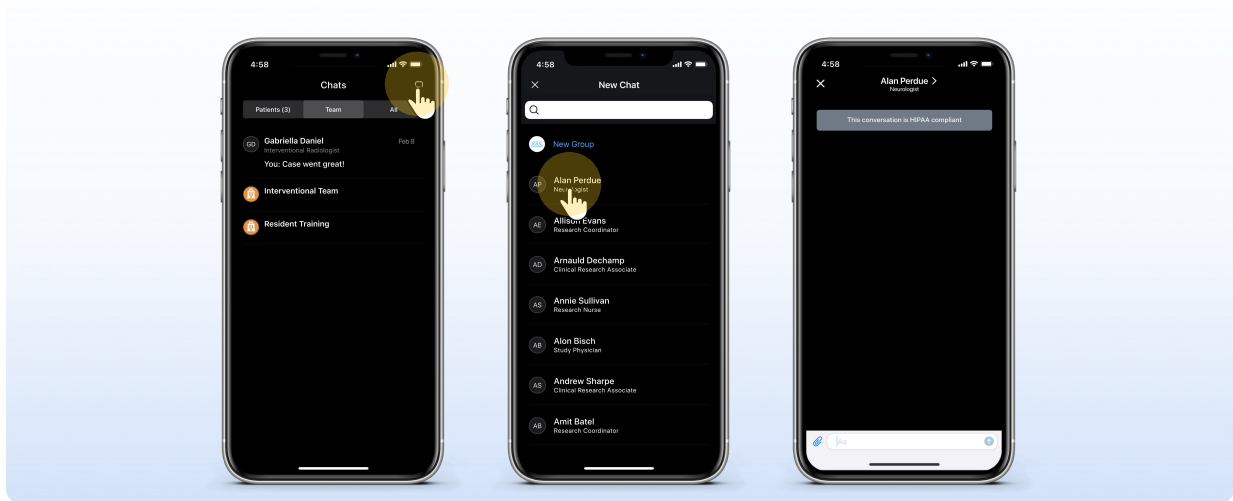
Create group chats with specific members of the care team directly within the Viz app. Direct chats are HIPAA compliant and enable ongoing communications amongst smaller groups outside the patient card. Common groups include the interventional team, hub team, spoke teams, departmental teams (interventional, ED, etc.), and on-call coordination.



# Create A Direct Chat



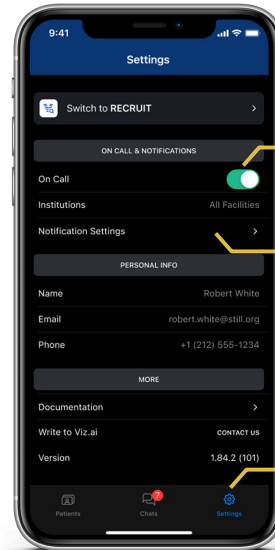
Chat directly with any member of the care team directly within the Viz app. Direct chats are HIPAA compliant and enable ongoing 1 on 1 communication outside of the patient card.



# Customize Notifications

# Customize your On-Call Notification Settings

Turn yourself on and off call. Set your notifications settings to receive push and/or text alerts directly to your mobile device.



**Switch On/Off Call**  
Receive alerts while on call.

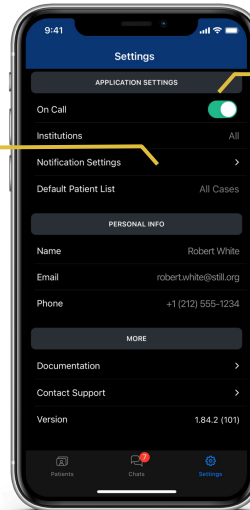
**Customize Notifications**  
Enable push and/or text notifications.

**Access Setting**  
Enable push and/or text notifications.

# Customize your On-Call Notification Settings

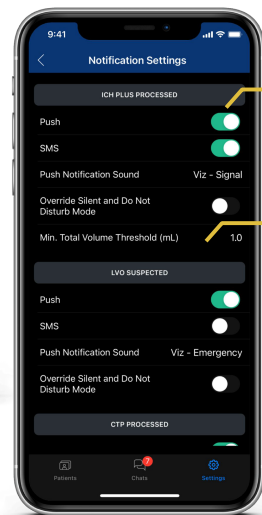
Turn yourself on and off call. Set your notifications settings to receive push and/or text alerts directly to your mobile device.

For each imaging modality and AI alert, determine if you would like to receive push notifications, text messages or both. Notification sounds can be customized and silent and do not disturb modes can be overridden. CTP alerts can be further customized by manipulating TMax settings.



**Customize Notifications**  
Enable push and/or text notifications.

**Switch On/Off Call**  
Receive alerts while on call.



**Access Setting**  
Enable push and/or text notifications.

**Customize Threshold**  
Set minimum total volume threshold (mL).

# Indications For Use



## Viz ICH<sup>3</sup>

Viz ICH is a notification-only, parallel workflow tool for use by hospital networks and trained clinicians to identify and communicate images of specific patients to a specialist, independent of standard of care workflow.

Viz ICH uses an artificial intelligence algorithm to analyze images for findings suggestive of a prespecified clinical condition and to notify an appropriate medical specialist of these findings in parallel to standard of care image interpretation. Identification of suspected findings is not for diagnostic use beyond notification. Specifically, the device analyzes non-contrast CT images of the brain acquired in the acute setting and sends notifications to a neurovascular or neurosurgical specialist that a suspected intracranial hemorrhage has been identified and recommends review of those images. Images can be previewed through a mobile application.

Images that are previewed through the mobile application may be compressed and are for informational purposes only and not intended for diagnostic use beyond notification. Notified clinicians are responsible for viewing non-compressed images on a diagnostic viewer and engaging in appropriate patient evaluation and relevant discussion with a treating physician before making care-related decisions or requests. Viz ICH is limited to analysis of imaging data and should not be used in-lieu of full patient evaluation or relied upon to make or confirm diagnosis.

## Viz ICH+<sup>5</sup>

The Viz HDS (ICH+) device is intended for automatic labeling, visualization, and quantification of segmentable brain structures from a set of Non-Contrast CT (NCCT) head scans. The software is intended to automate the current manual process of identifying, labeling, and quantifying the volume of segmentable brain structures identified on NCCT images. Viz HDS provides volumes from NCCT scans acquired at a single time point. The Viz HDS software is indicated for use in the analysis of the following structures: Intracranial Hyperdensities, Lateral Ventricles and Midline Shift. The device output should be reviewed along with patient's original images by a physician.

<sup>4</sup> FDA 510(k) K213319 2022  
<sup>5</sup> FDA 510(k) K232363 2024

# Thank you!