Visage 7 is a client server solution for viewing medical images. It can be used for both primary reading of radiological images as well as image review by clinicians. Running the Visage Ease App on your iPad, iPhone, or iPod Touch gives you efficient access to key images and original images stored on a Visage 7 Server. Visage Ease is a powerful tool for patient education at the bedside. Compared to printed film or patient CDs, Visage Ease provides much richer and more efficient means of communication. Note that the intended use for Visage Ease is only image display for illustration and educational purpose and not diagnosis. It must not be used as a medical device.

**Connecting.** Start Visage Ease and enter the address of the Visage 7 Server, user name and password. Use the same user credentials as for logging in with the Visage 7 Client. If you do not know the login details, please contact your system administrator. Press “Connect” to connect to the Visage 7 Server. If you switch on “Remember password”, Visage Ease remembers your password for future log ins. Consider using the Passcode lock or similar methods compliant with your local IT policies to prevent unauthorized access to your mobile device.

**Searching.** After logging in, Visage Ease shows a list of search presets. Select one of the predefined searches, e.g. “All Studies”, to display a list of all studies accessible to you on the Visage 7 Server. You may sort the study list by patient name (default) or study date by pressing the respective button in the navigation bar. A section index [A…Z] allows you to easily navigate through the patient names. By pressing a letter the list automatically shows the corresponding studies. Choose one of the listed studies and Visage Ease shows the series of the selected study. Here, you may sort the series list by series number (default), acquisition time, or number of images by using the buttons in the navigation bar. The list entries are grouped by type, i.e. reports, voice memos, and image series.

**Viewing.** Select one series for viewing from the series list. Visage Ease displays the first image of the selected series and some minimal series information as overlaid text. Press “Show Info” to display further patient and study information. The image viewer allows you to interact with the image in different modes which you can select from the toolbar. The default mode is Pan/Zoom for moving and resizing the image. Use one finger to pan and two fingers to zoom the image. Double tap in the middle of the viewer to reset the image display. Select the Window/Level mode for adjusting image brightness and contrast manually. Move your finger up/down to increase/decrease image brightness or left/right to increase/decrease image contrast. Double tap in the middle of the viewer to reset the window level settings. Alternatively, you may choose one of the
presets from the Window/Level menu. Select the Rotate/Flip mode for rotating and flipping the image. You may rotate by 90° to the left/right, flip horizontally/vertically or reset the image orientation.

**Navigating.** Select the Browse/Cine mode if the currently displayed series contains multiple images. Browse through the image stack by dragging the slider or pressing an arrow button. Press and hold on one of these buttons to scroll continuously through the images of the series. When scrolling starts and you release the arrow button, the cine mode locks for continuous playing. You may adjust the cine speed in the Settings section of your device. If the viewer displays a 3D image set, select MPR Settings mode for changing viewing direction (A/P, L/R, H/F), slice thickness (Thin, 5mm, 10mm, 25mm), and projection mode (AvIP, MIP, MinIP)

**Screenshots.** Press the screenshot button to take a picture of the image viewer’s content. The screenshot is automatically stored in your regular photo album. Use the Photo App for viewing or emailing your screenshots.

**Defining searches.** Visage Ease allows you to define new searches. Pressing “Search” at the top of the Searches screen opens the search form. Enter the search keywords and press “Search” to display studies matching your search criteria. To keep these search settings, add a new preset by providing a name in the “Title” field and pressing “Save”. If you switch on “Default”, this search will be automatically performed when Visage Ease is started and connected to the Visage 7 Server. Toggle on “Push Notifications” to be informed about studies that match your search criteria. The preset will be highlighted, if the search result contains new or modified studies. In case Visage Ease is not active, a text message will be shown indicating the search preset with updated results. To discard your entries without searching press either “Clear” to deplete or “Close” to close the search form.

**Editing presets.** You may edit existing search presets by pressing the “Edit” button in the navigation bar of the Searches screen. Visage Ease enters the edit mode for presets that allows you to change, reorder, and delete existing presets by using different controls. Tap on the title of a preset to show the details of the selected search. Modify the keywords and press “Save” to confirm your changes. Drag the reorder control to grab a search preset and move it to another position in the list. Press the deletion control to discard a preset. Select “Delete” to confirm or press the deletion control again to cancel the removal. To leave the edit mode, press “Done”.
Getting Started – Visage Ease for iPad, iPhone, and iPod Touch

Uploading images. Attach photos or images to a selected study by tapping on the attachment icon in the lower tool bar of the series view. For each upload a new series is created and added to the respective study. The Image Attachment dialog allows you to edit the series description and the series number. Choose between images that were already taken (folder icon) or use the camera to take new pictures (camera icon). Select/deselect images in the Image Attachment dialog with a simple tap. Only selected images indicated by a blue checkmark will be uploaded. Double tapping an image shows it in full screen.

Recording voice memos. Attach voice memos to a selected study by pressing the microphone icon in the image viewer’s tool bar. This expands the basic recording controls. Tap the record button to start recording. The recording duration is shown in red and the record icon changes to a button that opens the voice memo view. In this view your recording is paused and you may change the description and series number of the new series that will be added to the respective study. With the buttons of the lower tool bar you choose to continue with your recording (record icon), to pause the recording again (pause icon) or to listen to a playback of your recording (play icon). During recording a level meter and position slider is shown. In playback mode a slider to change the system volume is shown instead of the level meter. After recording you can either discard or upload your voice memo. The back button closes the voice memo view while recording is continued. During recording it is possible to switch to another series of the same study. If you switch back to the study list with an unfinished recording an alert view will be shown.

Working offline. Visage Ease offers an offline mode that allows you to view images on your iPad, iPhone, or iPod Touch without an online connection to the Visage 7 Server. Press the “Work Offline” button on the Login screen to enter the offline mode. Searching studies, selecting series, and viewing images in offline mode works similar to online mode, except that all data are read from the local cache of the mobile device and not from the Visage 7 Server.

Caching images. Images displayed by Visage Ease are automatically cached on the mobile device to prevent accessing the same image multiple times on the Visage 7 Server. You may additionally cache specific studies or series in advance, e.g. to prepare a ward round or conference where you might need to display the images without network connection. Select the “Syncing” button in the navigation bar of the Studies or Series screen to enter the local cache’s update mode. Tap a study/series to add it to the cache (indicated by the insertion symbol “+”) or to remove it from the cache (indicated by the deletion symbol “-“). If the caching of a study/series is currently in progress, you may stop it by tapping the item until neither the insertion nor the deletion symbol is shown.
deletion symbol is shown. Choose “Update” to trigger the selected caching actions or “Cancel” to leave the update mode without changing the cache. Press the cache status button in the lower left corner to get information on the current cache status. On the Cache Status screen you may cancel currently queued downloads or clear the whole cache by pressing the lower left or lower right button, respectively.

*) Available in online mode if the feature is installed on the Visage server and appropriate user level permissions are set.