



User Guide

Finding and Opening a CT Data Set

Since XVWeb 3D is integrated into XVWeb, the basic components of the XVWeb user interface, such as the Query screen, will already be familiar to you.

The Query screen (figure 1) is the starting point for everything you do in XVWeb 3D. The Query screen is displayed after you log in to XVWeb. It provides search boxes that can be used to produce a patient list.

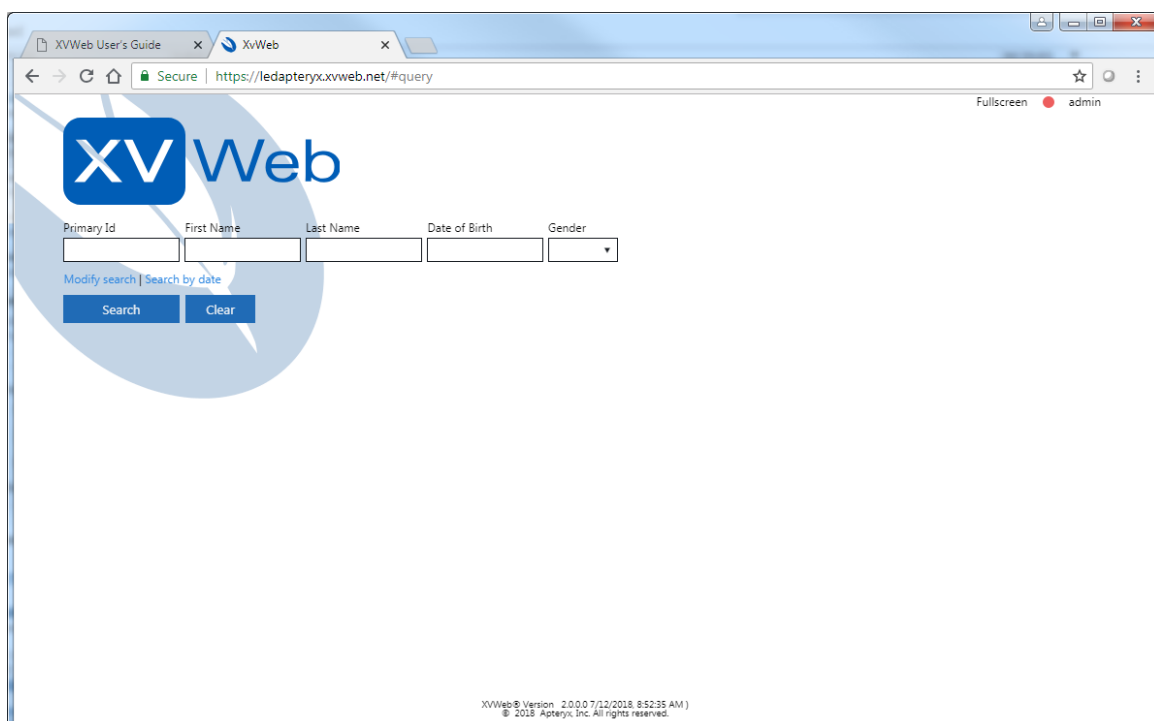


Figure 1. The Query screen.

Clicking “View” from the patient list yields the studies associated with that patient (figure 2).

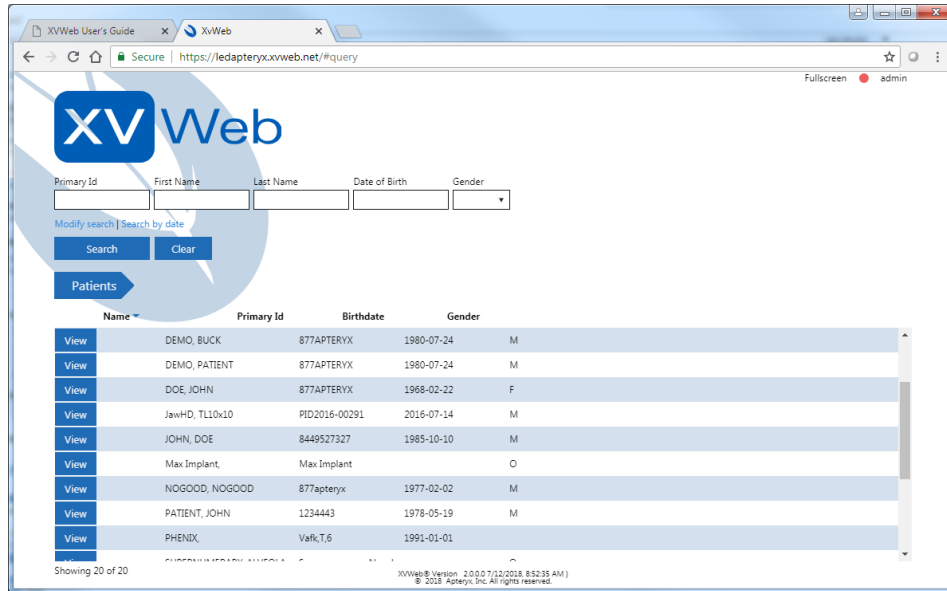


Figure 2. Viewing the studies associated with a patient.

This also displays the series associated with that patient in the Series bar along the left side of the screen as shown in figure 3. The Series bar provides scrollable thumbnail representations of the series associated with the study/patient. The Series bar makes identification of CT data set easy. Just point to the Series bar and rotate the mouse wheel to scroll through the thumbnails.

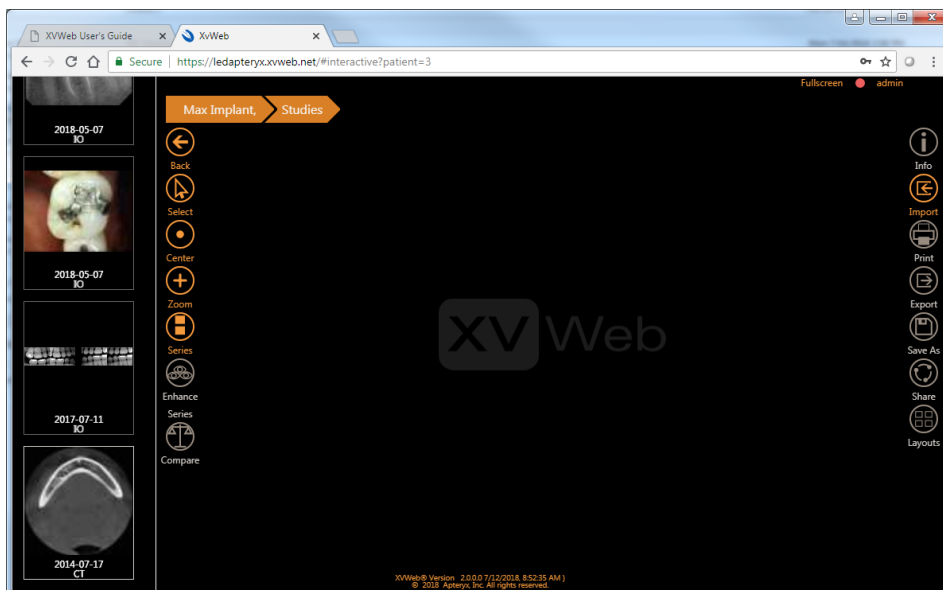


Figure 3. Scrolling through thumbnails in the series bar to find a CT data set.

CT data sets are identified with a "CT" in the series name. Simply click the CT series thumbnail to open the CT data set in XVWeb 3D. Note that all images in the CT data set are rendered for display in XVWeb 3D. There is no image inspection criteria or routines for rejecting patient images that don't meet a certain image quality standard. It remains the medical expert's responsibility to provide acceptable, appropriate images that contain the correct data.

The XVWeb 3D User Interface

When the CT series thumbnail is clicked, the jpeg files created during preprocessing are loaded into the browser. When loading is complete, XVWeb 3D renders the MPR view as shown in figure 4. The MPR view consists of four viewports displaying the axial, sagittal, and coronal plane views and the 3D volume view. Several other menu components are also displayed.

