GAMMA Document Browser

Quick Start Guide

In this document we want to make you familiar with the GAMMA Document Browser application. This software is the primary patient documentation and presentation tool of GAMMA Dental Software. It interfaces directly with the CADIAX condylography, CADIAS cephalometry, and CADIAS 3D virtual occlusion modules.

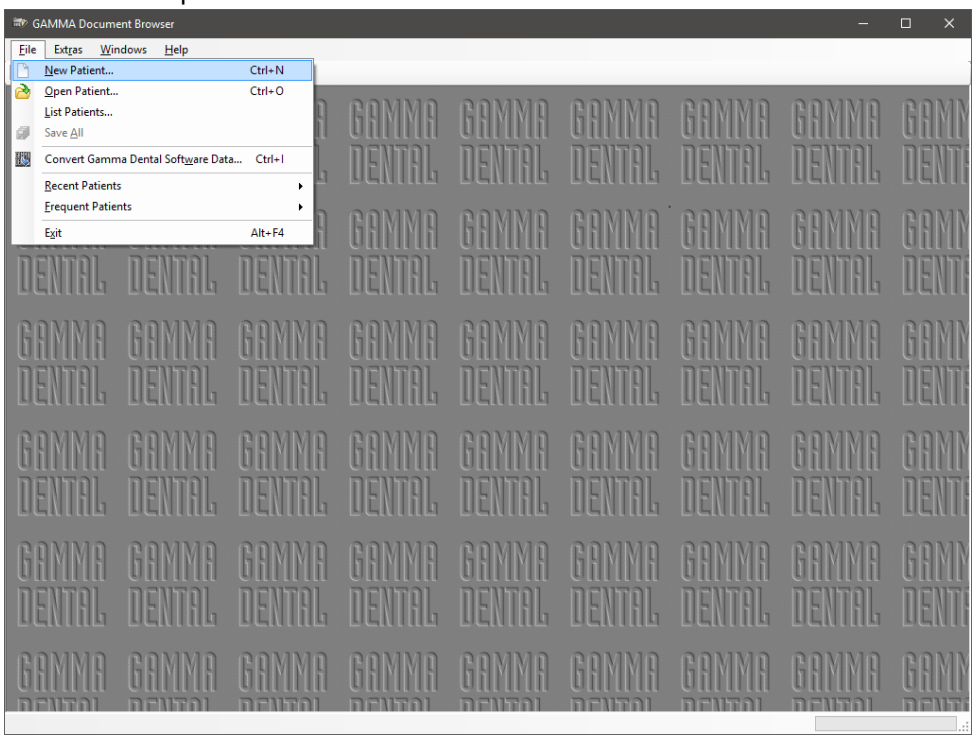
On the following pages, you will find brief descriptions of the most common tasks in GAMMA Document Browser. Please refer to the operating instructions of GAMMA Dental Software for more detailed instructions and useful background information.

Contents

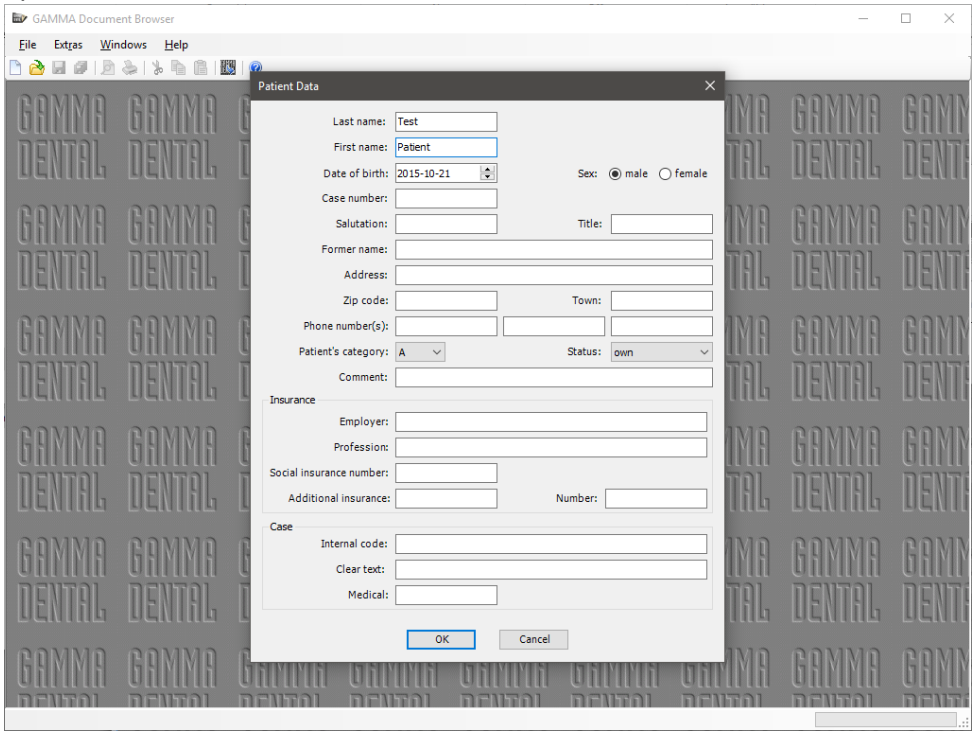
1 Creating a new patient file

1. Start GAMMA Document Browser via the shortcut on your Desktop:

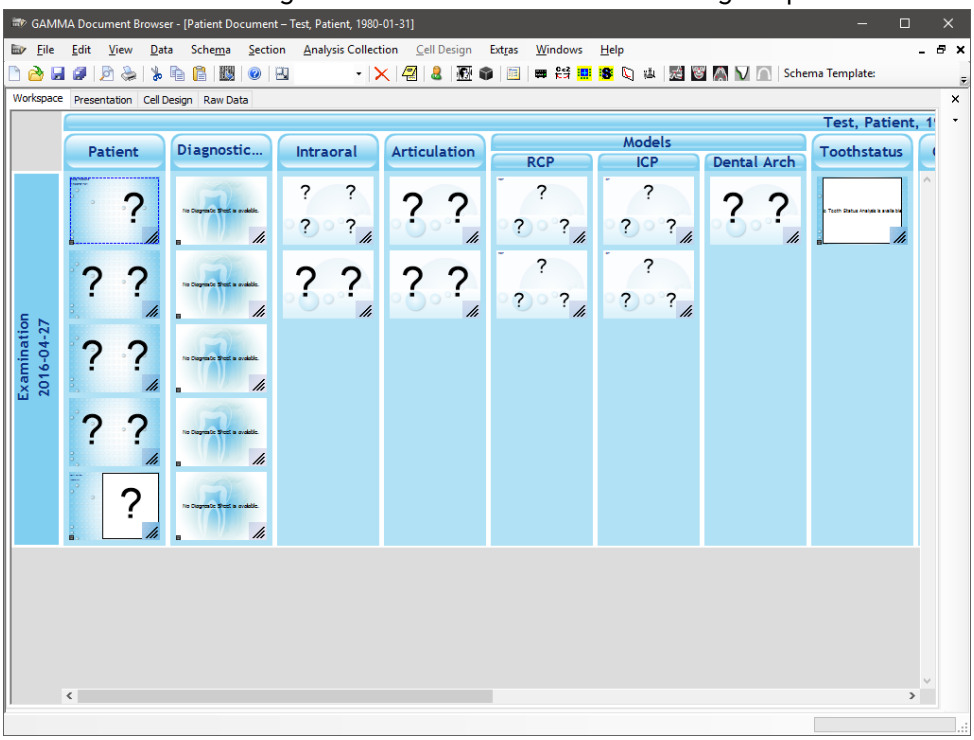
2. Create a new patient file via the menu *File* → *New Patient*:



3. Enter the patient's last name, first name, date of birth, and sex. Other information is optional:

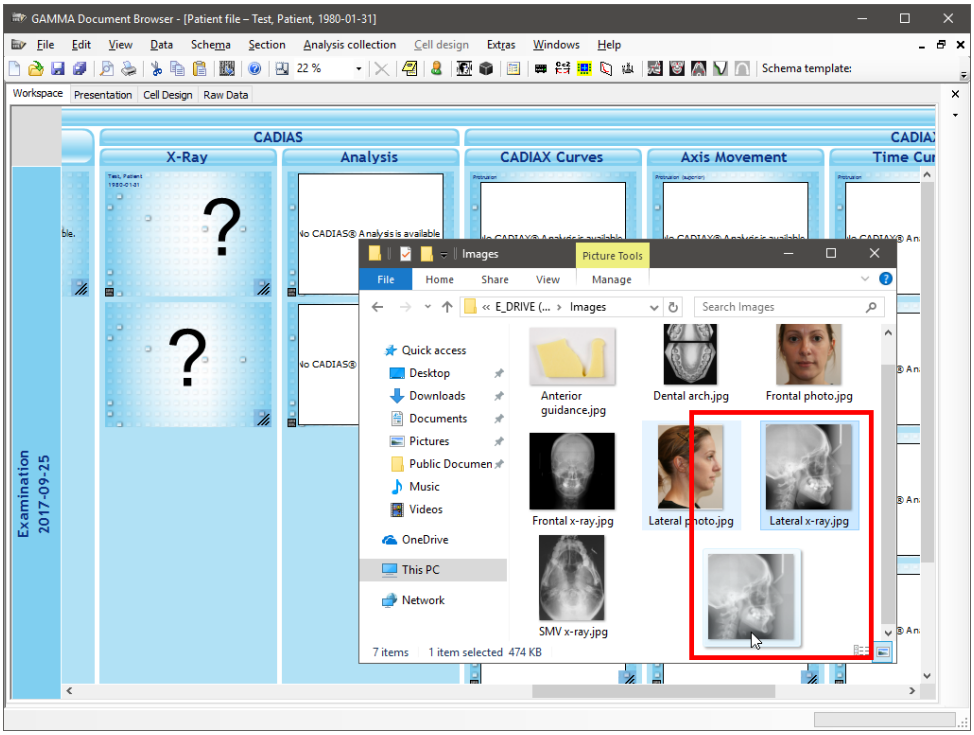


4. After confirming with *OK*, the default, empty layout will appear in the Workspace. You can now start inserting data as described in the following chapters:

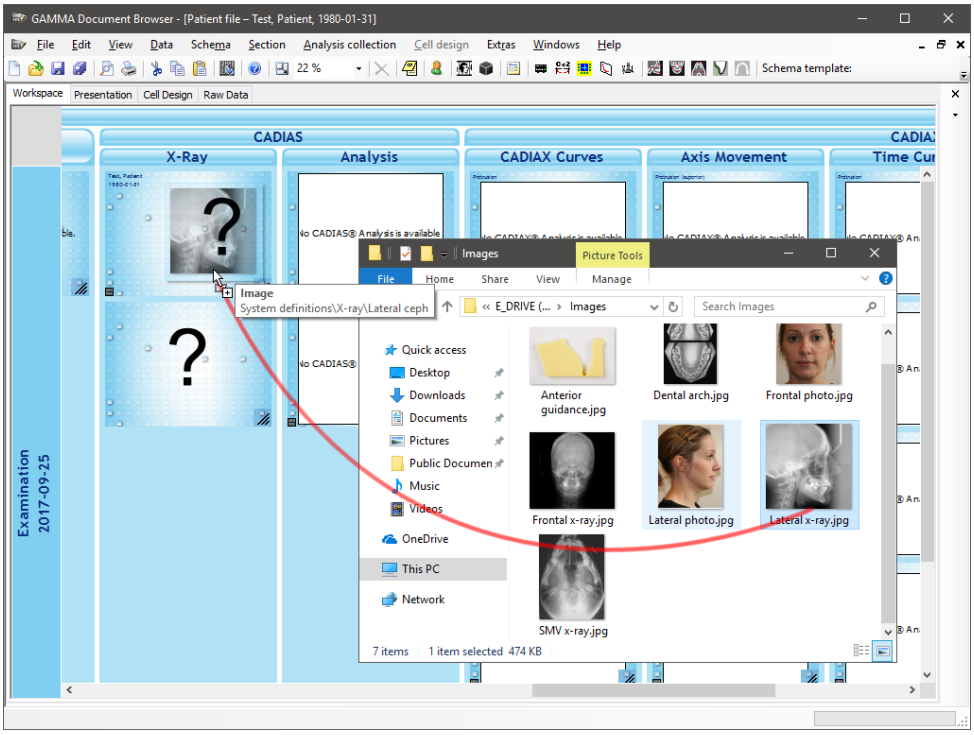


2 Importing images via drag-and-drop

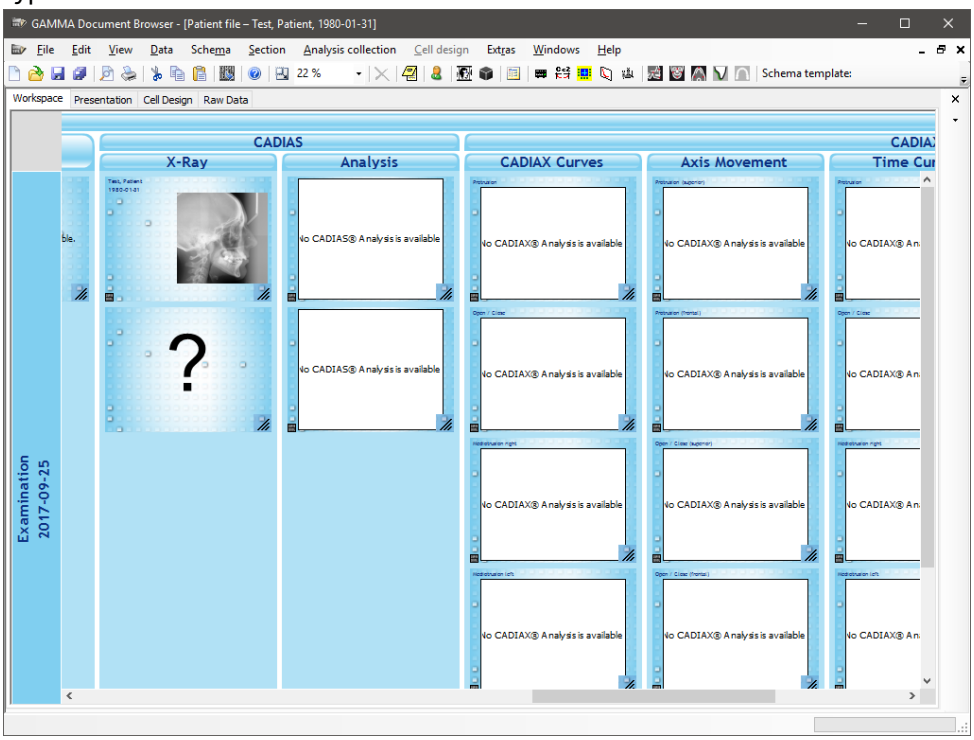
1. You can import images by simply dragging them from the file explorer into GAMMA Document Browser. First, open the windows side-by-side and grab the image that you would like to import:



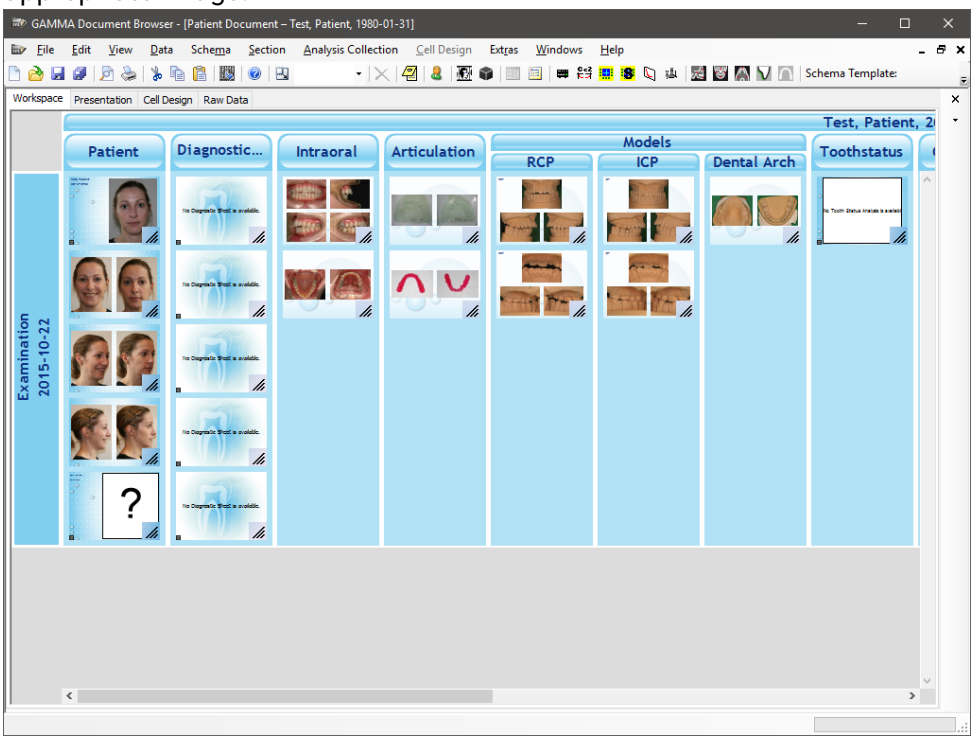
2. Now, when you drag the image over any data area in GAMMA Document Browser, it will display a tooltip with the image type of that data area:



3. Drop the image on the data area where you would like to have it displayed. This will automatically import the image into the database and assign the corresponding image type:

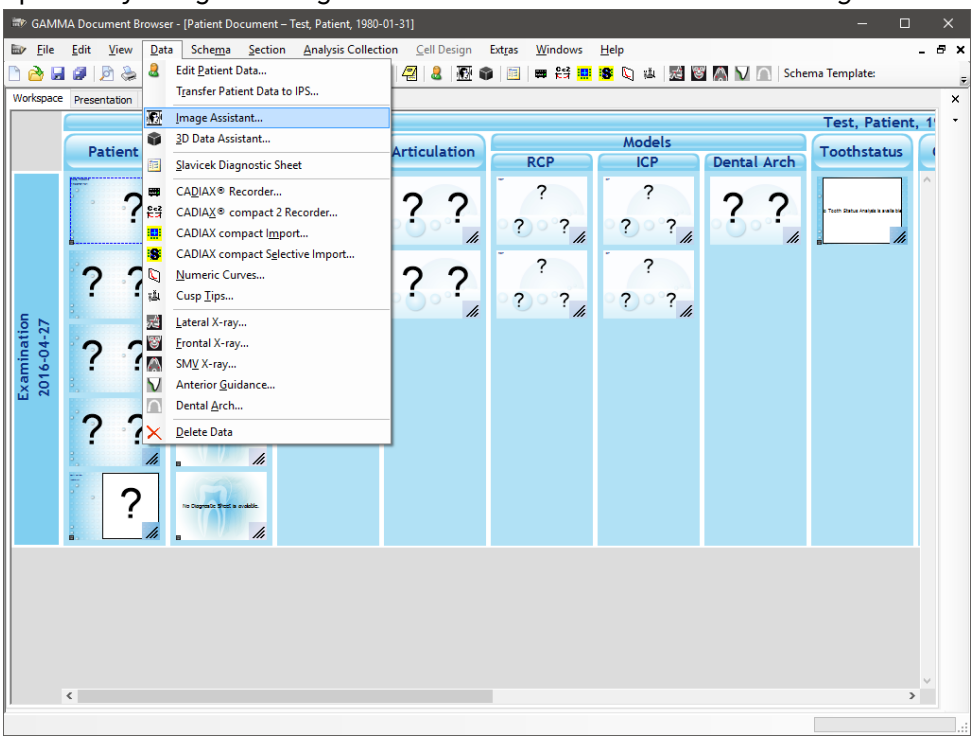


4. You can repeat this procedure until all data areas in the Workspace display the appropriate image:

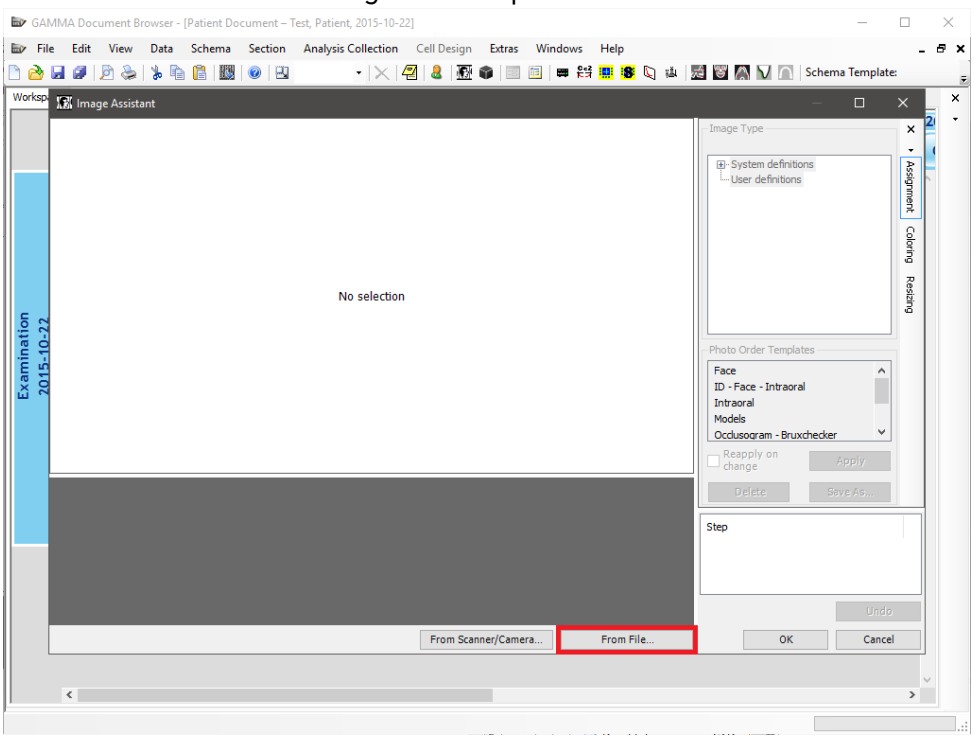


3 Importing images using the Image Assistant

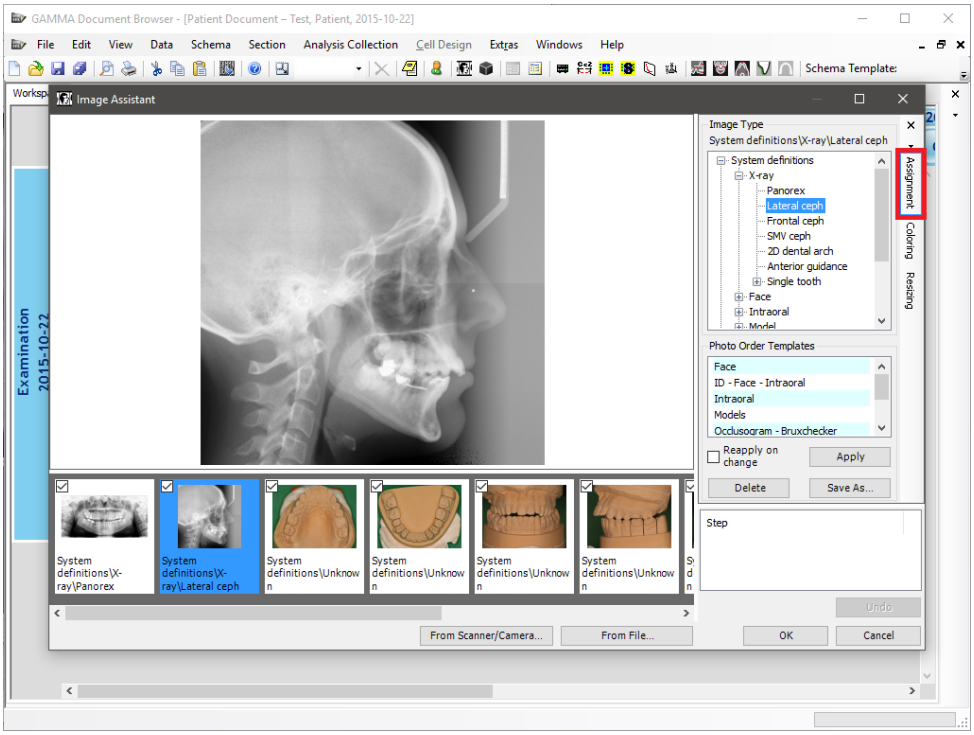
1. Alternatively to importing images via drag-and-drop, you can get additional import options by using the Image Assistant via the menu *Data* → *Image Assistant*.



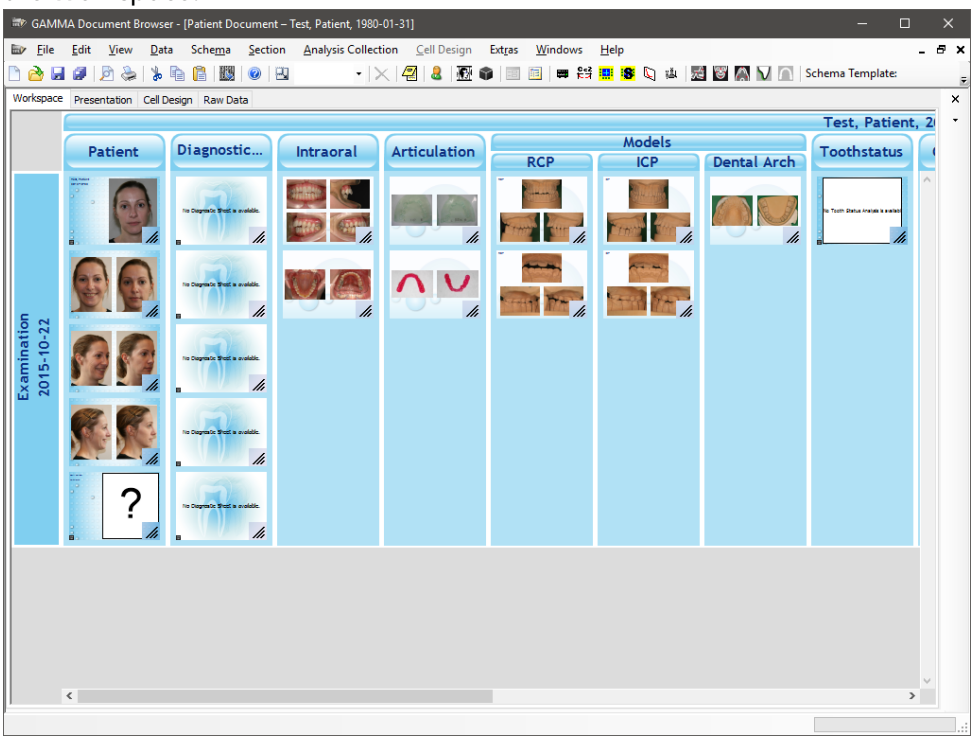
2. In the Image Assistant, you can paste images from the clipboard or press the button *From File* and select the image files to open.



3. Switch to the *Assignment* panel to specify the types of the imported images. To do so, simply click on the preview of the image and then on the image type to be assigned. Do that for every image until none of them have the type *Unknown*. The *Coloring* and *Resizing* panels provide additional settings for editing an image before the import. When you are finished, press *OK* to store the images in the database.

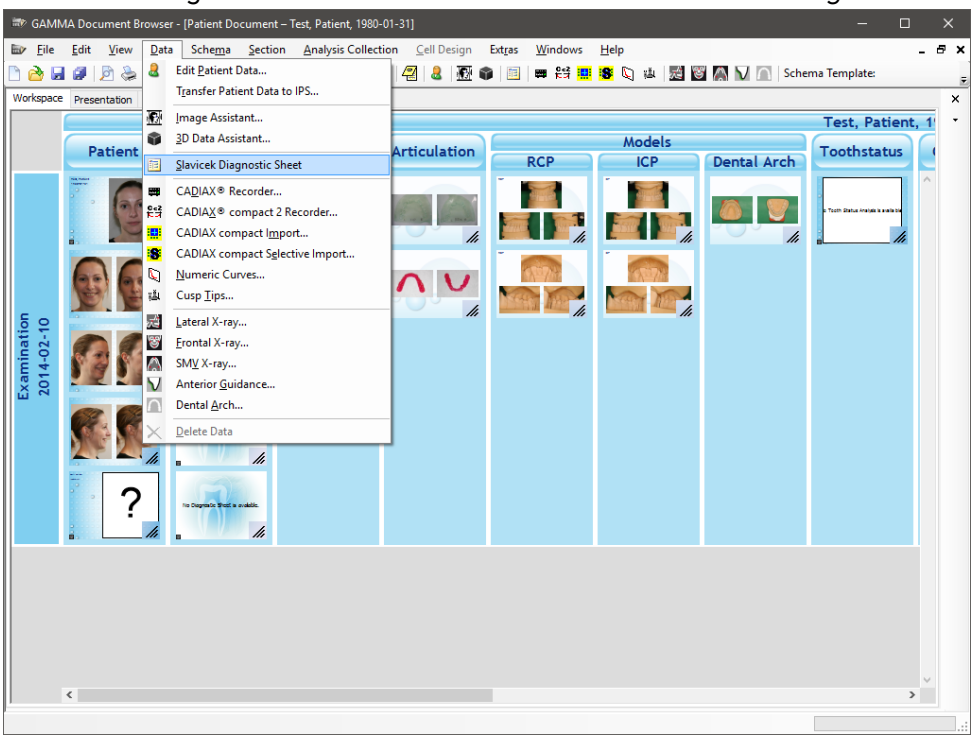


4. The imported images will thus automatically appear in the corresponding data areas in the Workspace:

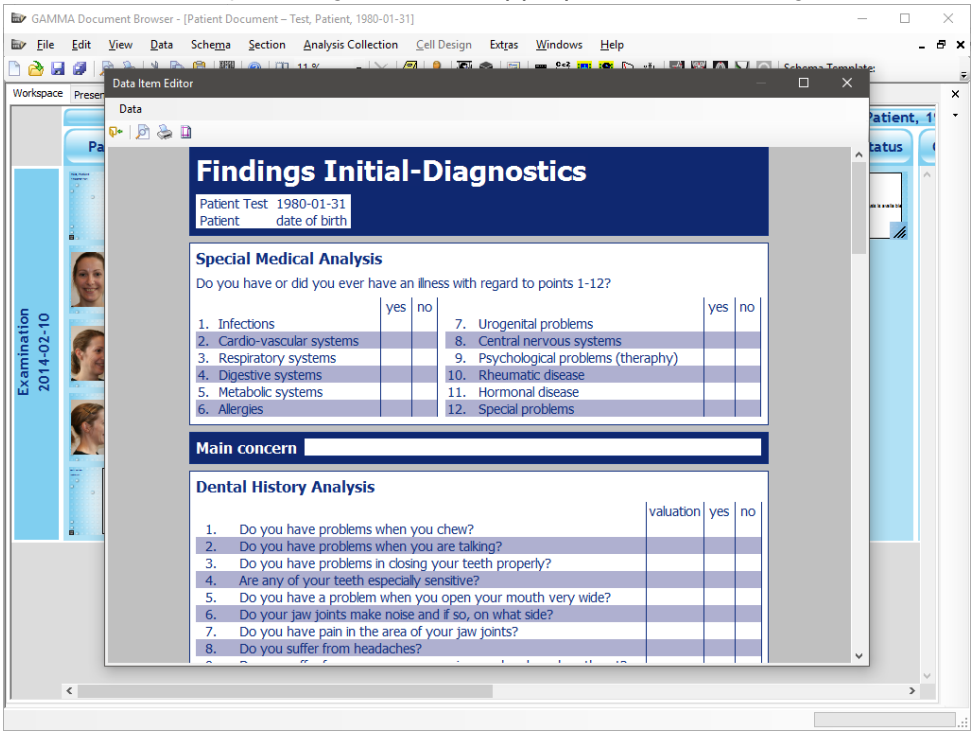


4 Creating a Slavicek Diagnostic Sheet

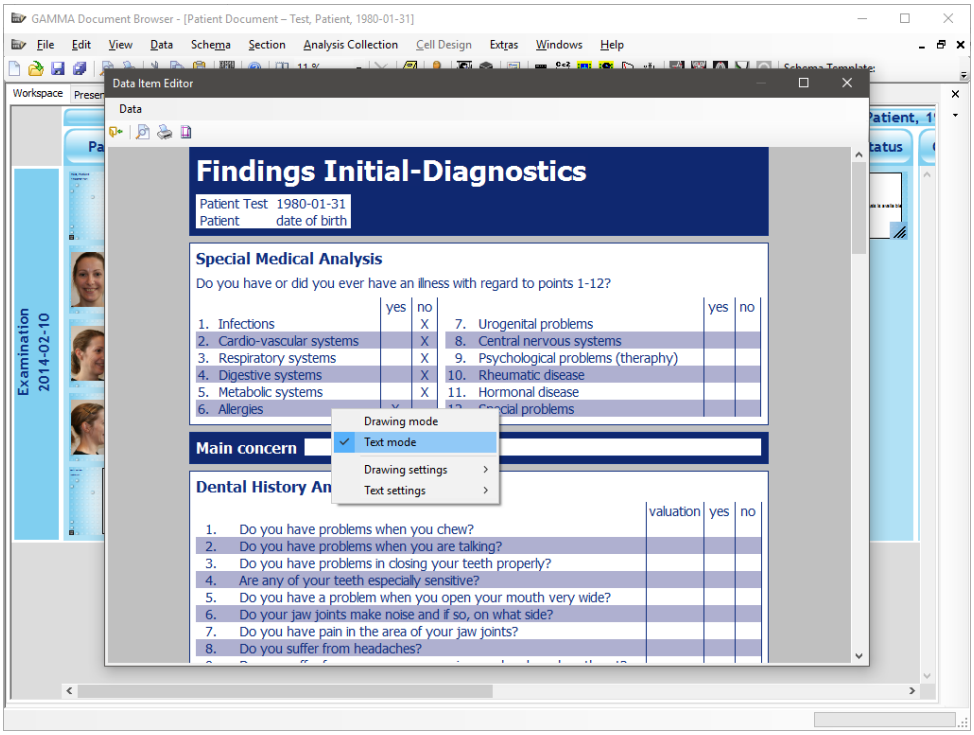
1. Create the Diagnostic Sheet via the Menu *Data* → *Slavicek Diagnostic Sheet*:



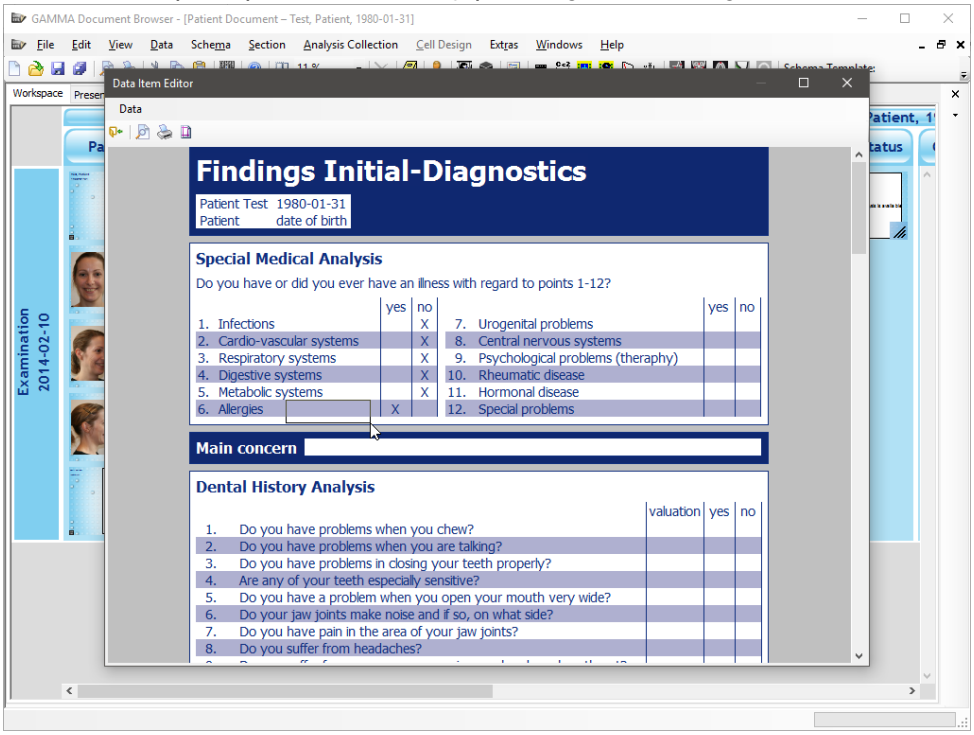
2. Fill out the form by clicking Yes/No as appropriate and entering text where necessary:



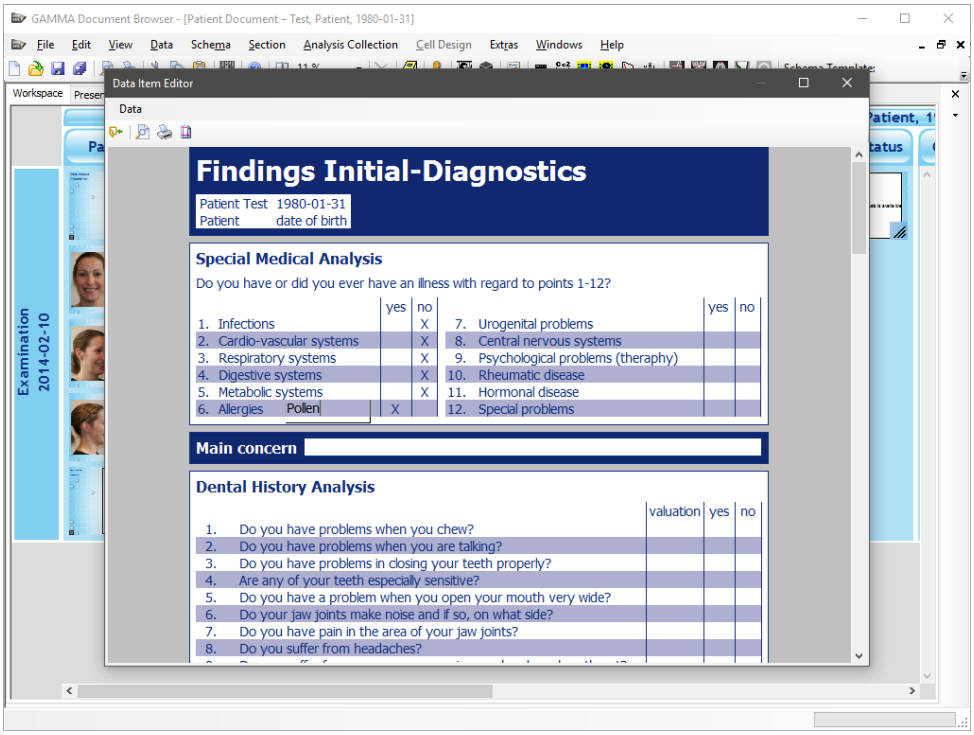
3. It is also possible to add additional text descriptions by clicking the right mouse button and activating text mode:



4. You can then pull open a text box by pressing and holding the left mouse button.



5. Enter the text and click somewhere outside the text box to confirm your input.

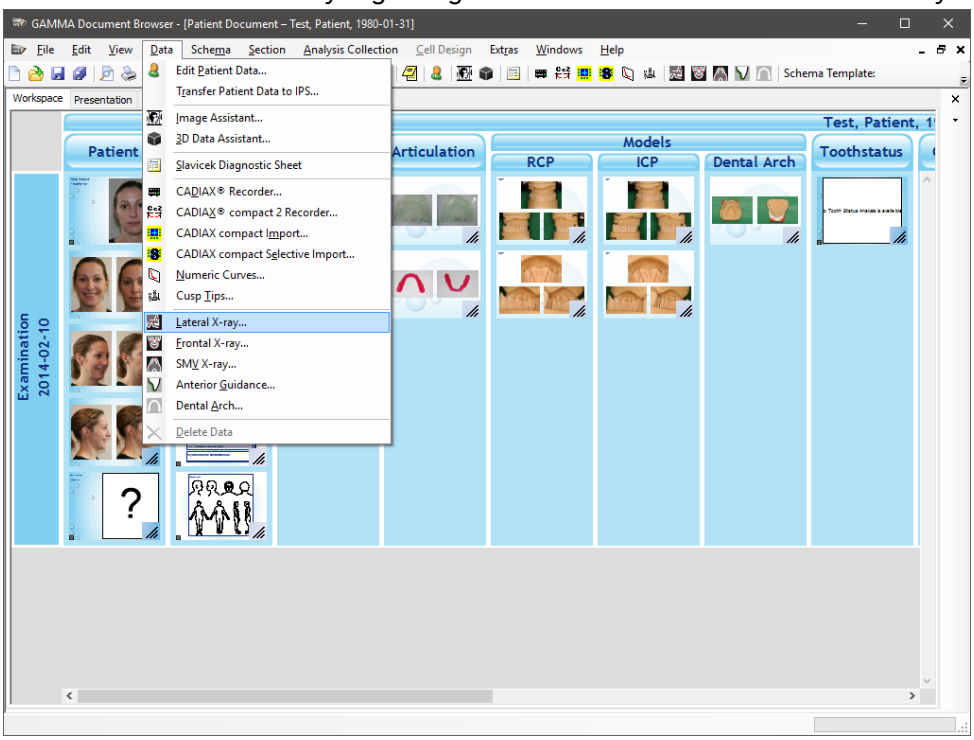


6. Don't forget to deactivate *Text Mode* when you want to continue filling out the form!

5 Digitizing a lateral x-ray image with CADIAS

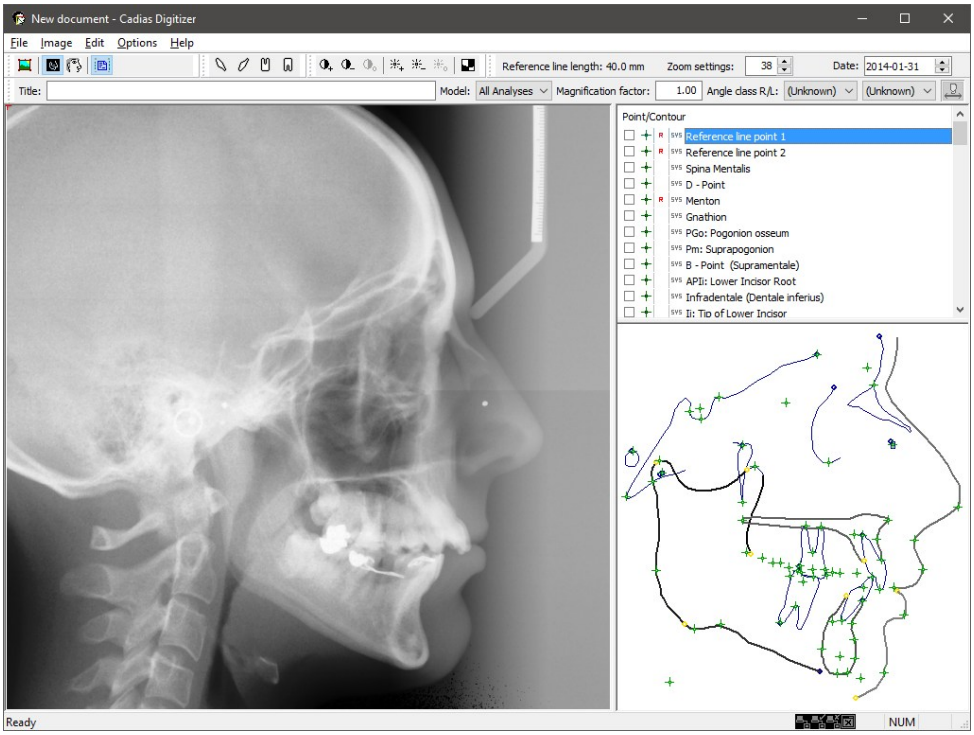
1. Before starting the digitizing application, it is recommended to import the x-ray image into the database as described in sections 2 or 3. For a lateral x-ray image, the image type that is assigned during the import should be:
   System definitions\X-ray\Lateral ceph

2. Create a new lateral x-ray digitizing via the menu *Data* → *Lateral X-ray*:

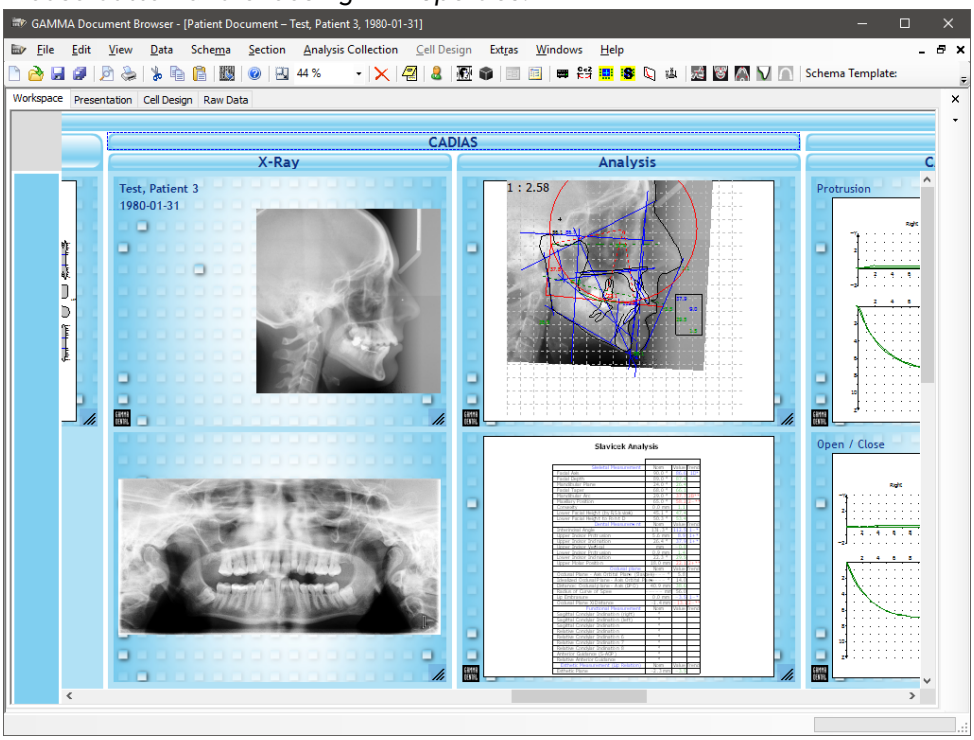


3. The CADIAS Digitizer window will open and, if you already imported the appropriate x-ray image into the database, it will be displayed right away. Otherwise, you can import the image file now via the menu *Image* → *Load from file*.

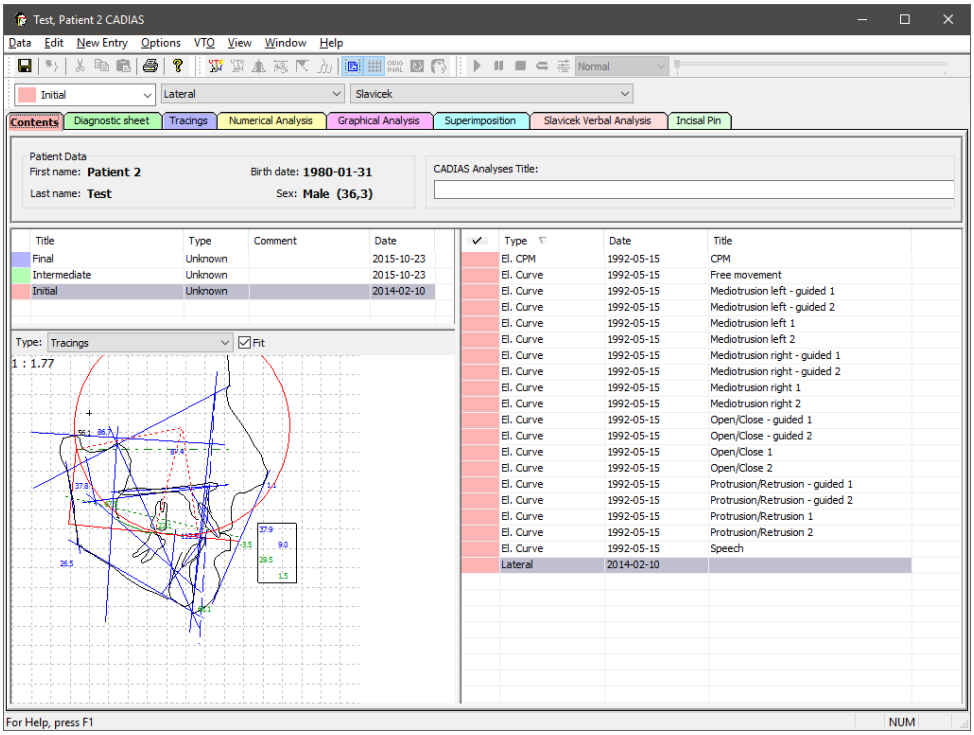
4. The loaded x-ray image will be displayed on the left side of the window. On the right side, you can see the list of points and contours to digitize and a preview that highlights the approximate location of the selected item. You can digitize the selected point or contour by clicking with the left mouse button on the x-ray image. To finish the digitizing of a contour, click the right mouse button.



5. After closing the window and saving your changes, the *CADIAS* section in the Workspace will automatically display a *Slavicek* tracing and numerical analysis. You can change various display settings for these analyses by clicking them with the right mouse button and choosing *Properties*.

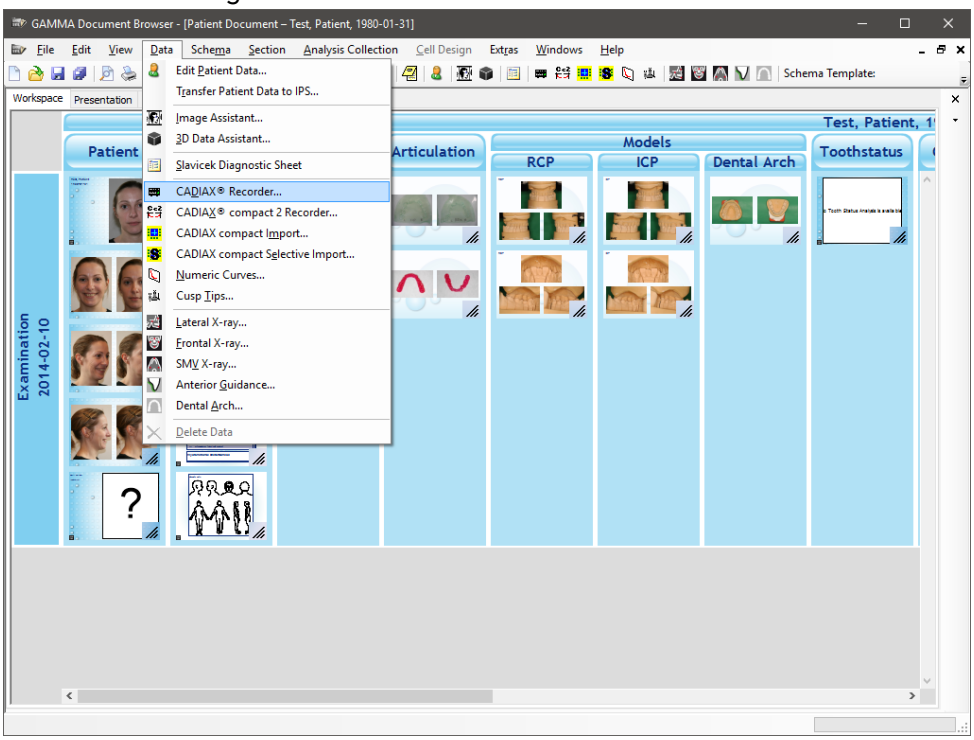


6. To analyze the digitized information in detail, open the CADIAS Analyzer application by double-clicking any of the displayed analysis graphics. Here, you can choose between various analysis authors (Slavicek, Sato, Ricketts, etc.), create treatment objectives (VTOs), combine the x-ray digitizings with condylography recordings, and much more. Please refer to the operating instructions of GAMMA Dental Software for further information.

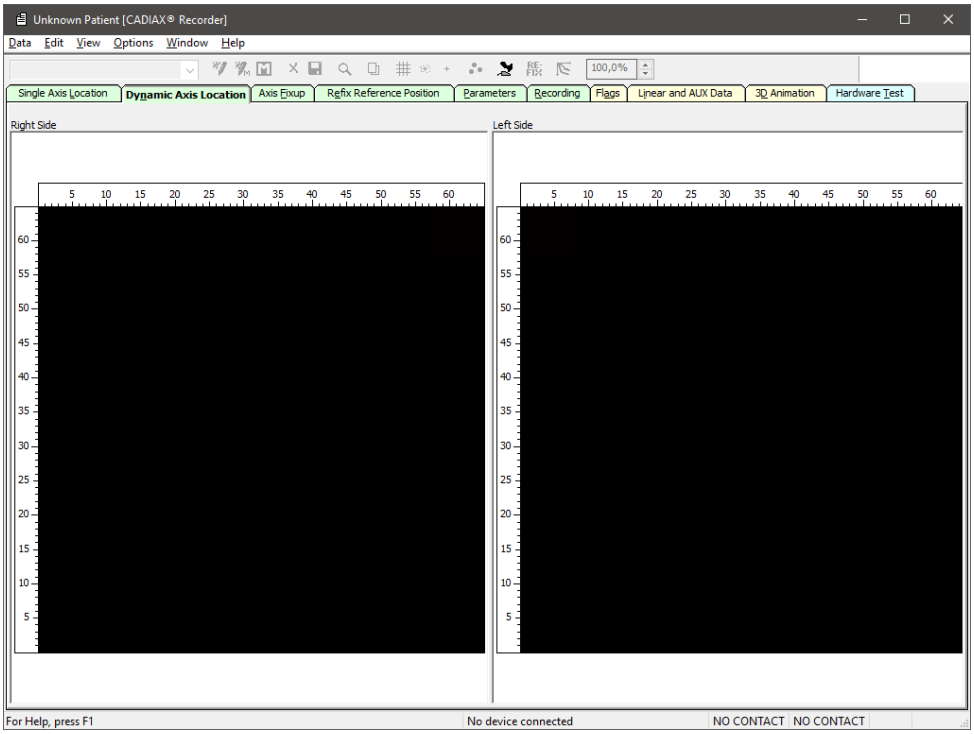


6 Recording condylography curves with CADIAX 4

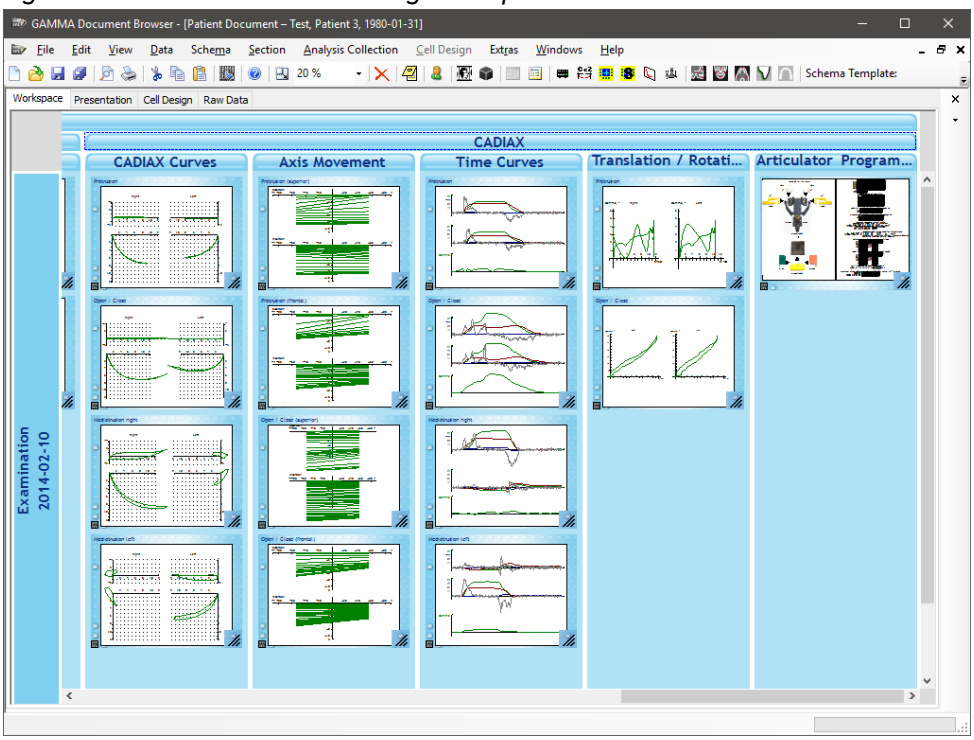
1. Start the recording software via the menu *Data* → *CADIAX® Recorder*:



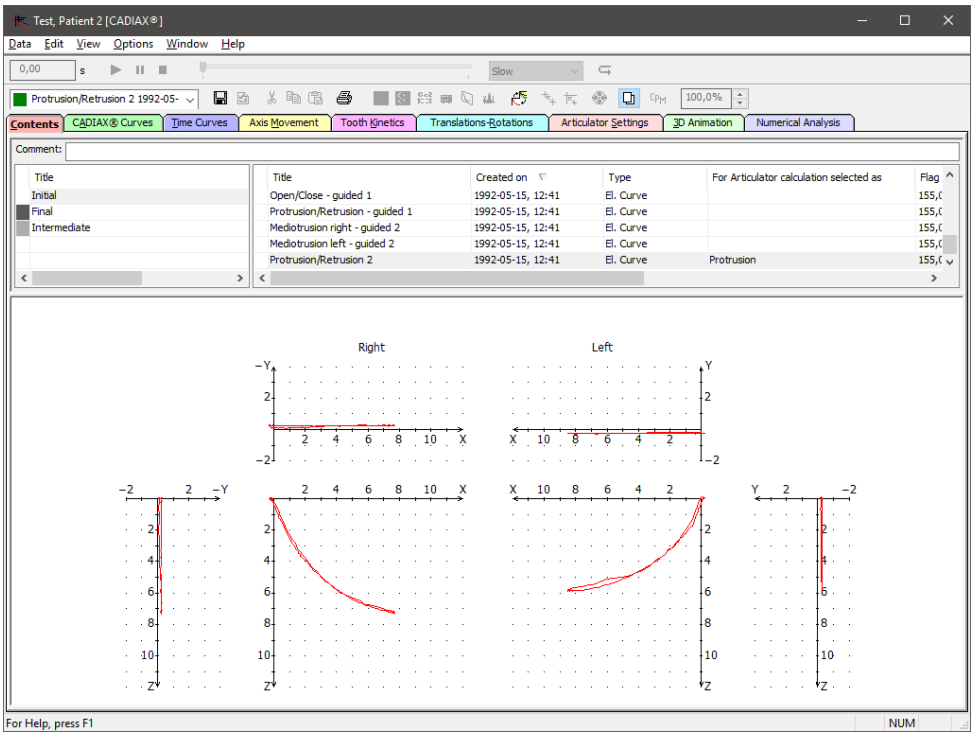
2. When recording condylar movements with the CADIAX 4 device, the procedure usually starts with finding the location of the patient's true hinge axis and adjusting the measurement styli to that position. Subsequently, enter the face bow parameters, set the reference position, and record the movements. Please refer to the operating instructions of the CADIAX 4 device for more detailed instructions.



3. After closing the window and saving your changes, the CADIAX section in the Workspace will automatically display the recorded curves in different representations. You can change various display settings for these analyses by clicking them with the right mouse button and choosing *Properties*.

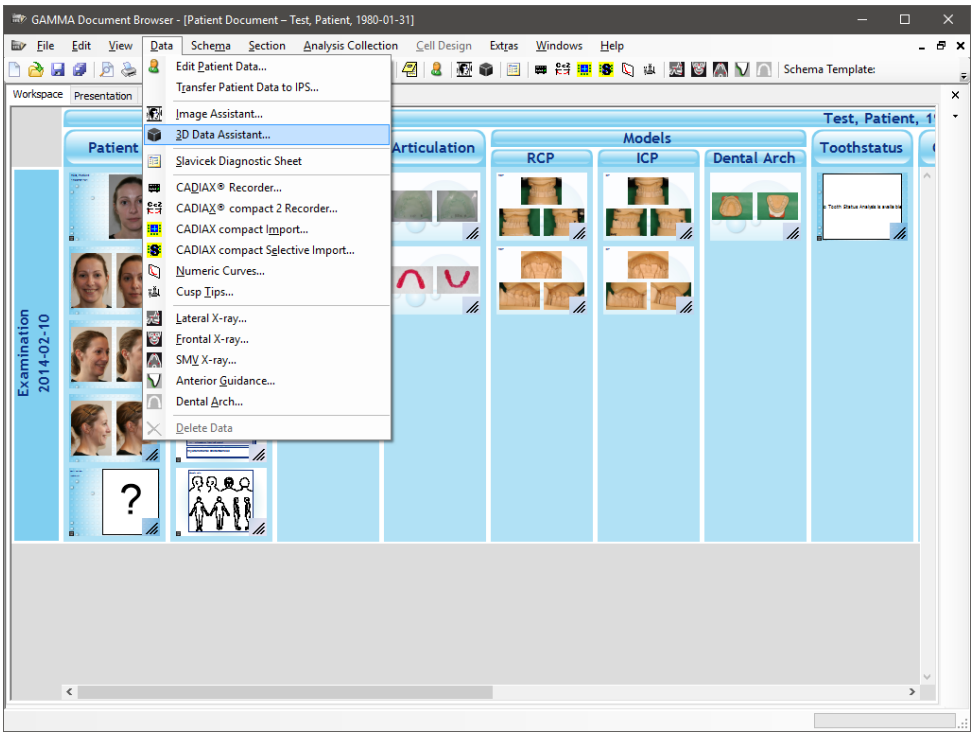


4. For making a detailed analysis of the recorded information, double-click any analysis to open the CADIAX Analyzer application. Here, you can switch between the various representations, superimpose multiple curves, calculate articulator settings, and much more.

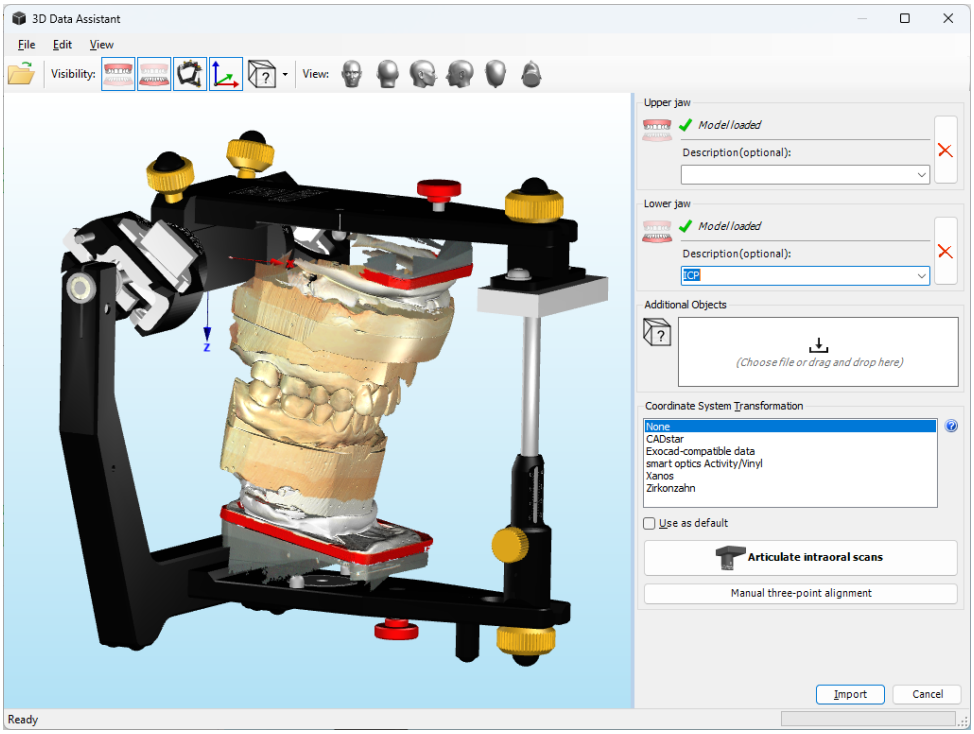


7 Importing 3D models for CADIAS 3D

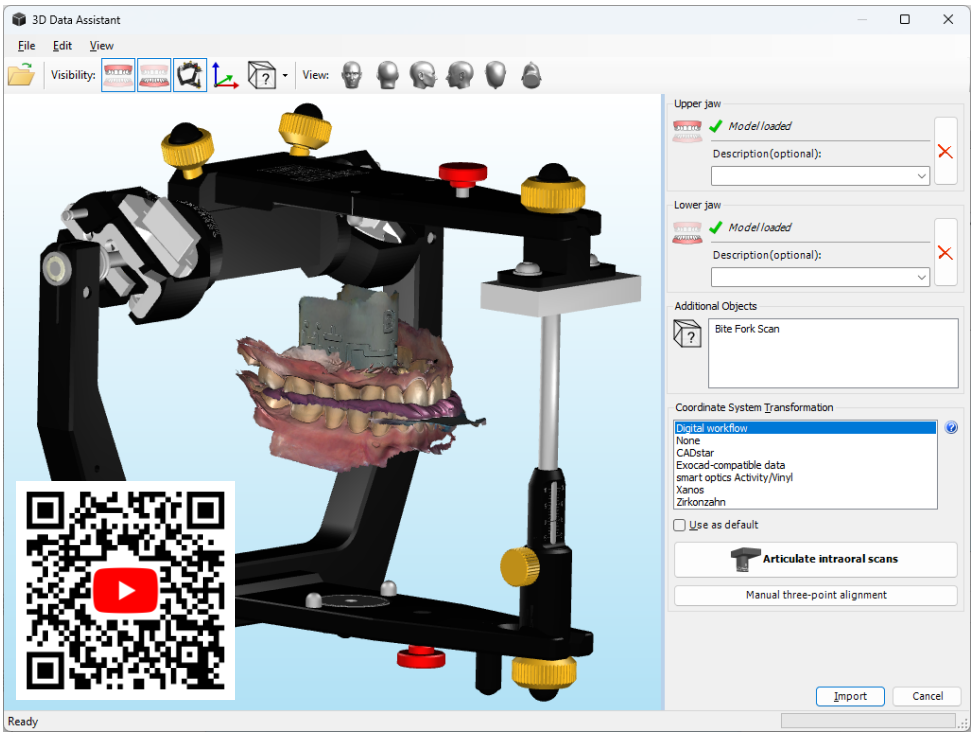
1. To import 3D model scans for CADIAS 3D, you can start the 3D Data Assistant using the menu *Data* → *3D* Data Assistant:



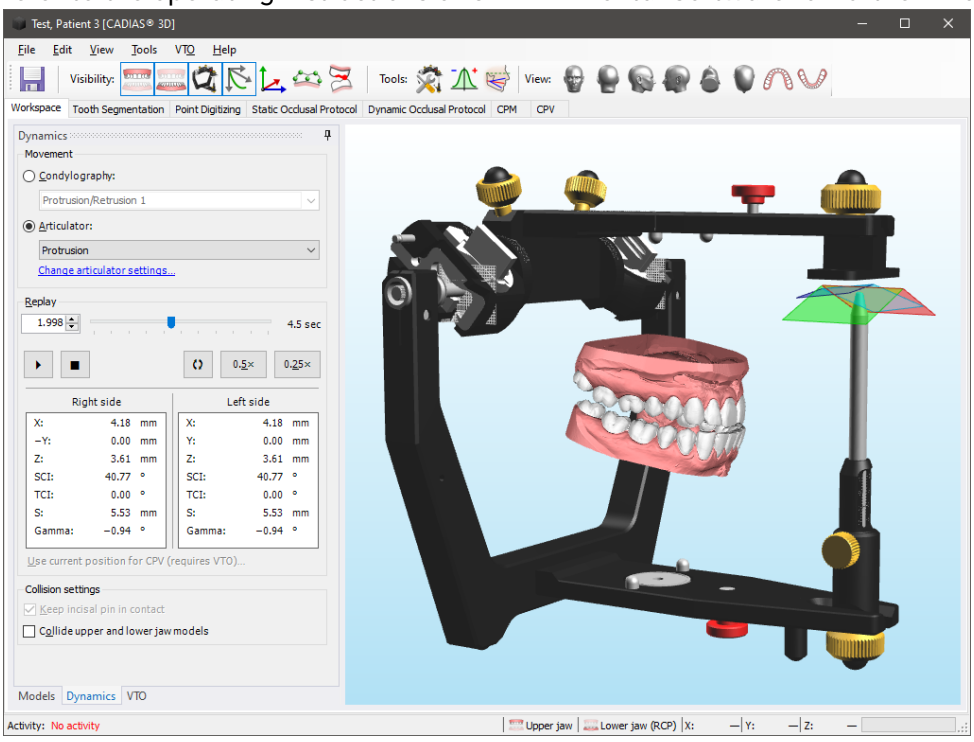
2. In the 3D Data Assistant, you can import 3D scans of upper and lower jaw models by dragging and dropping the files on the designated panels. By selecting the appropriate coordinate system transformation for the scanner used to acquire the data, the models will be positioned correctly in the virtual articulator. Currently supported scanner manufacturers include CADstar, smart optics, and Zirkonzahn.



3. Alternatively, it is also possible to import intraoral scans of upper and lower jaw. These can then be articulated correctly by aligning them to an additional scan of the bite fork and the GAMMA Digital Transfer Block Set (scan the QR code to watch the video). To do so, use the button *Articulate intraoral scans*.

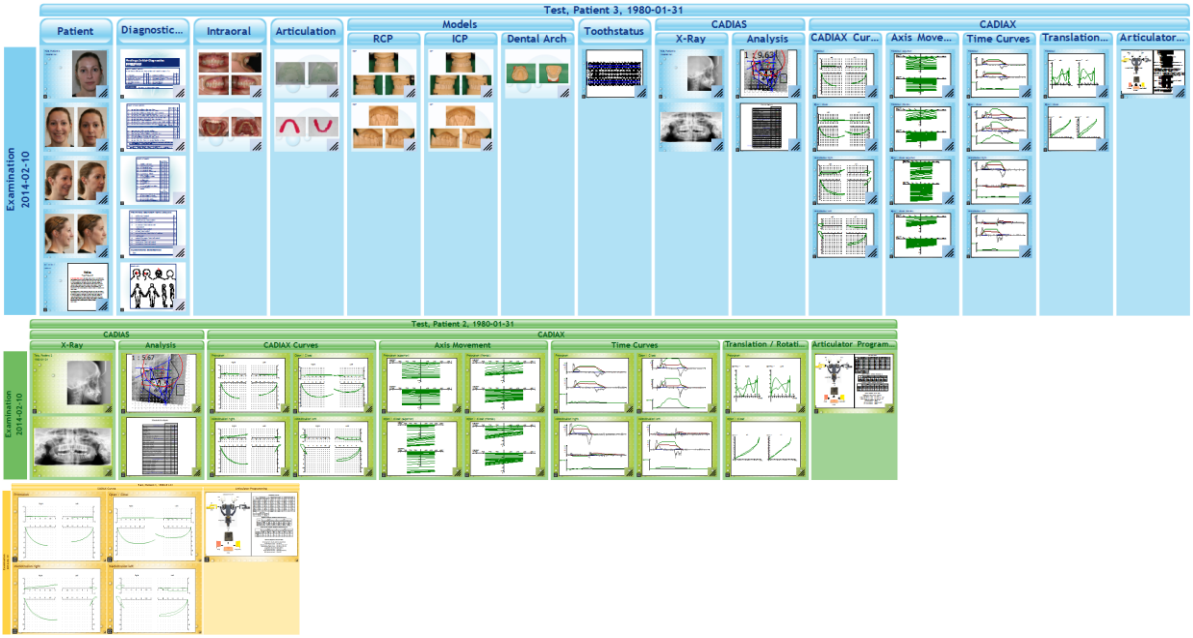


4. After importing the articulated 3D model scans, you can open CADIAS 3D by double-clicking the corresponding data area in the Workspace. In CADIAS 3D, you can perform a complete functional analysis by integrating the CADIAX jaw movements. It is also possible to generate functional design templates for dental CAD/CAM software. Please refer to the operating instructions of GAMMA Dental Software for further information.



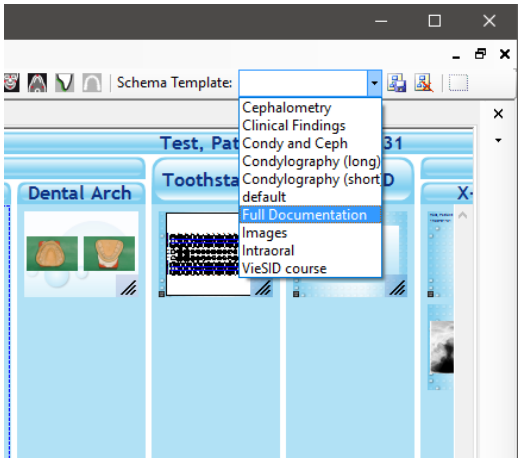
8 Changing the Workspace layout

The Workspace layout of GAMMA Document Browser is fully customizable. Not only in design and style, but also in regards to the displayed information. Take the three test patient cases for example:



Please note that unlike the Raw Data view, the Workspace does not necessarily display all information that you have entered for the patient, but only a selection. This means that you can change the layout without losing data.

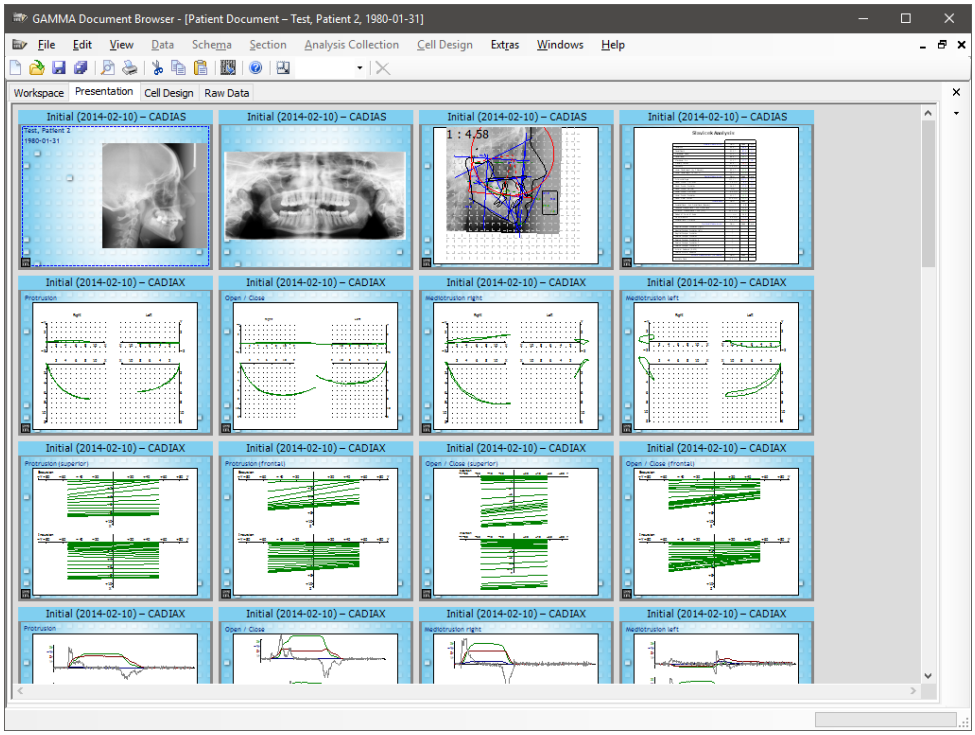
GAMMA Document Browser provides several layouts out of the box, which are referred to as Schema Design Templates. To change the currently selected one, use the combo box in the toolbar:



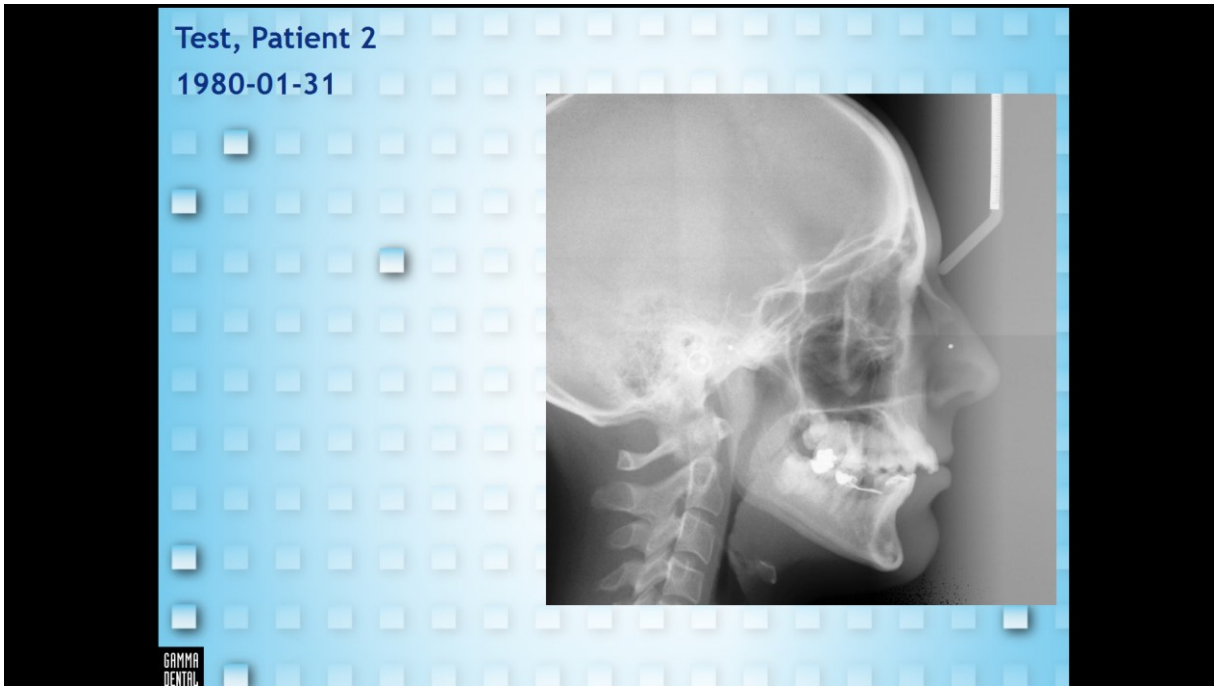
If you want to create your own individual layout, you can do so by adding new sections or cells or by changing the properties of the existing ones via the right-click menu *Properties* and the Cell Design view. Then, you can save it as a new template and optionally set it to be used by default.

9 Presenting patient data

GAMMA Document Browser has built-in functionality for presenting a patient case to colleagues, at conferences, or to the patient themself. For this purpose, switch to the Presentation view.



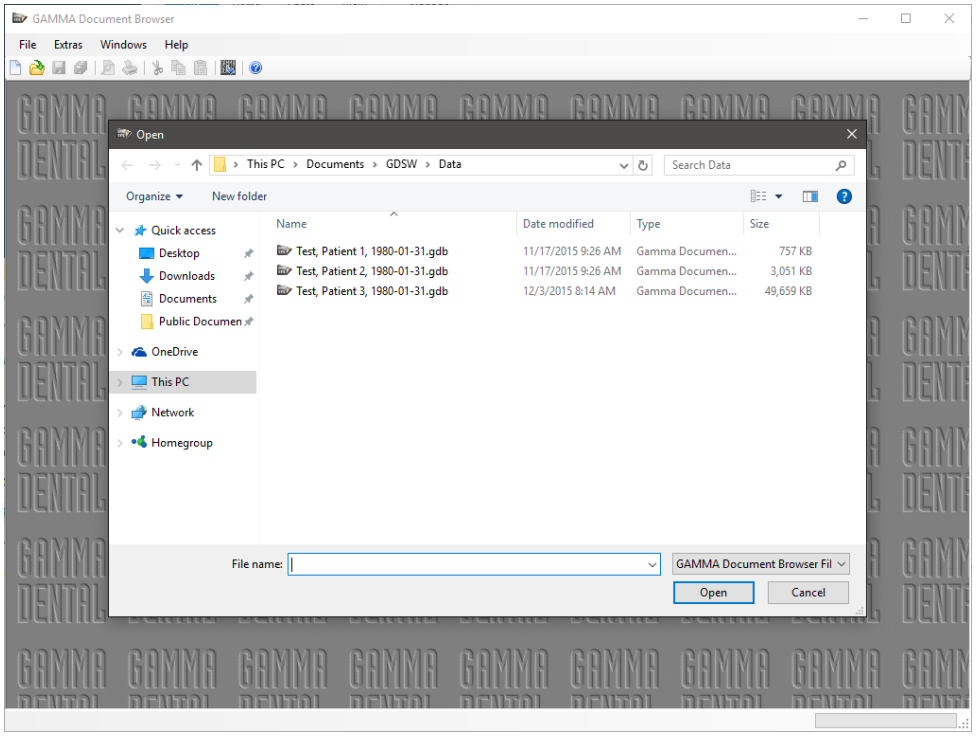
Here, you can hide cells from presentation via the right-click menu and reorder them by dragging them with the mouse. Hit the F5 key to start the presentation and the arrow keys or the mouse to switch to the next slide.



Should you need to export the presentation in the format for Microsoft PowerPoint, you can do so via the menu *File → Export Presentation*.

10 Copying patient files between PCs

GAMMA Document Browser saves the data of each patient in an individual patient file with the extension *.gdb*. By default, these files are stored in the folder *Public Documents\GDSW\Data*. The content of this folder can be displayed via the menu *File* → *Open Patient*:



Hence, to transfer your patient data to another computer, you can just copy the respective patient file to a flash drive and paste it in the same folder on the target PC.