

ImagingPlus Advanced

Morphing

Using the **Morph** palette to creatively warp and stretch parts of an image. **Morph** is an excellent tool to quickly change an image for communicating treatment goals with patients. This is also an excellent tool for fine-tuning the soft tissue profile contour and touching up image enhancements.

Kenter <u>E</u> dit/ Morph/Lib	
Cut-paste, morphin	g, brushes, image library







Side/Side



After morphing an image, save or display the before and after images side-by-side.

2D Movie Morphing



Movie Morphing feature lets you demonstrate the transformation from pretreatment to simulated or actual post-treatment results.

Presentation with Image Library



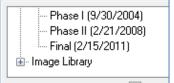
Easily set up a slide show of patient pictures for presentation purposes. Select any combination of patient pictures, from any timepoints, to show the patient's progress over time. Present patient images as an online slide show, share patient images electronically, drag-and-drop images into other applications (such as Microsoft Word and PowerPoint), and print images.

<u>P</u>resent

Deband (2/27/2006) Facial Front for VBR letter (3/2/2 Sample Pano from mixed dentitio	Same number of 1	Show
¢ ×	Current slide show:	Close
nages Available Zoom	facial front smiling (initial)	Saved Sequences
facial front (final)	🤗 facial front (initial)	Standard 🔫
facial front smiling (final)	acial profile (initial)	Transition No effect
facial profile (final)	intraoral center (initial)	
intraoral center (final)	intracral left (initial)	Save Delete
intraoral left (final)	occlusal lower (initial)	
intraoral right (final)	intracral right (initial)	Properties Automatically advance slide
occlusal lower (final)	occlusal upper (initial)	after 2 * seconds
occlusal upper (final)		Loop continuous until 'ESC'
· · · · · · · · · · · · · · · · · · ·		Display title Fort

Set up a new slide show or load an existing slide show you have already set up and saved.

You can add images from the current patient's timepoints or from the **Image Library**.



To manually assign images to slides

Uncheck the same number of images per slide box.

Same number of images per Slide	Show!
9 of 9 m Current slide :	
x-ray panoramic (initial)	Saved Sequences
x-ray panoramic (final)	Dolphin Tip and Tricks -

Using the slider, select the slide to which you want to add images.

	Click to inser before the se	
Current slide 🔜 🛄	1 of 9 📊	Glick to add a slide — at the end of the slide show
Move s	slider to select a slide	÷

Using the Image Library



Demonstrate how the patient might look with braces, straight teeth, or after a bleaching procedure.

Replace a patient's smile with one selected from the **Image Library.** Show after treatment results, bracket types, a variety of appliances, and more. Display the before and after images side-by-side.





Get Image, Add to Library, Import, Rename, and Delete images from the library. Once an image is added from the Image Library, move image using the arrows. Restart will undo the last operation, Cntr to adjust the contrast, Int to adjust the intensity, Blur to adjust the blurriness, Sat to adjust the color Saturation.

Anonymizer



Create a special "anonymizer" tagged annotation rectangle, for obscuring the patient's eyes in photos, for use in lectures and preparing journal articles, for example.

The anonymizer rectangles can be turned on or off independently from the other annotations and measurements.

Annotations and Measurements

Add lines, arrows, ellipses, rectangles, text labels, or measurements to a layout.



Main Screen

or, right-click an image or, Edit > Annotations and Measurements.

~	Calibration	
•	Measurements	
~	Annotations	



Esthetic Plane, "E" plane, E-line—Line drawn from the tip of the nose to soft tissue pogonion.

On average the lower lip would be 2 mm behind the line, and the upper lip 4 mm behind the line for a Caucasian with variations being normal for patients of different ethnic backgrounds. [Ricketts 1960]

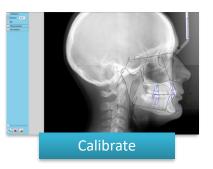
Add/modify custom structures



Within **Digitize**, click **Add/modify custom structures** to manually draw structures. Then use **Annotations and Measurements** to calibrate and measure distances and angles on the patient's image.



Add structure

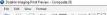




Enhanced Printing

Open the preview of a print job in the **Layout Editor** to view and make changes before printing.







Any changes made to the print preview using the **Layout Editor** apply to the current print job only. They are not saved to the Dolphin layout.

Patient Lookup Features

Quickly search/sort the entire patient database using name, age, gender and norm. Other criteria: address, number, referring doctor, treating doctor, treatment diagnosis, etc. Even search based on cephalometric measurements (when used), like incisor overjet, mandibular plane angle, etc.

Basic Info Info Records Diagnostics Cephalometrics

Basic Info Tab

This tab appears when opening the **Patient Lookup** dialog box in **Advanced** view. Initially, this tab is blank. Use this tab to:

- Select a patient from a list of patients matching search criteria.
- View information about the selected patient.
- View patient pictures.
- View or create **Timepoints** for the patient.
- Archive patient records or retrieve Archived records.
- **Rename, Delete**, or **Recover** a patient.

Options

Options			×
۲e	nable first-initial-last na	me search	
□ ^{si}	how entire list (not reco ver 500 patients)	ommended for lists	s with
Li	ve search (not recomm sts, slow computers or s	ended for large pa slow networks)	atient
		OK	Cancel

Enable first-initial-last name search

With this option disabled, if you type "smi" in the **Patient Lookup** dialog box and click **Find Now**, Dolphin only lists patients whose last name or patient ID begin with "smi." With this option enabled, Dolphin also lists patients whose first initial is "s" and whose last name begins with "mi."

Archive.

Rename.

Recover.

Show entire list

This displays your entire patient list in the **Patient Lookup** dialog box when it first opens. This option is not recommended.

Live search

This box begins the search automatically.

Archive

Archive Patient Files		>
Disk/Network Archive Get Patient From Archive Save Patient To Archive Include Viewer	OK Cancel	OK Cancel Options 2
Merge Timepoints From Archive		Archive Rename Delete
Save Patient To Internet	en archived.	Recover

Save Patient to Archive with option to \square Include Bundle Free Viewer.

Merge Timepoints from Archive

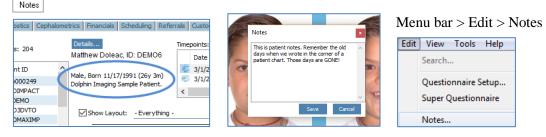
This allows a patient archive file saved under a different ID number (from another practice/lab) to be merged with the patient's file with their ID number from your practice.

Don't let others modify the patient file(s) when archived

Check this check box to prevent anyone from making changes to this archived patient. No changes can be made to the archived patient until the patient's record is loaded again from archive.

Notes

View and edit patient notes from main screen or menu bar.



Displays patient notes in the Patient Lookup screen or as a floating or docked window on the main screen.

Info Tab

Search criteria such as demographic information or keywords for looking up patients.

k For: Patient Name, ID, Phone, SSN	▼		Find Now New Search	Basic <<	Keyw	ords Tip)
Issic Enfor Enfo Norm Filter African-American Caucasian Chinese Hoppanic Japanese Gender Filter Porom: Drott Drott Day From: Definition Drott Day Drott Day From: Definition Drott Day Drott Da	Cophelenetrics Prenocels Scheduling Referred Doctor Referring Doctor: ALL Treating Doctor: ALL Treating Doctor: ALL Keywords Available: Edit These Space Maintenance Supernumerary Super Varial Scheduling Varial Scheduling Varial Scheduling Varial Scheduling Varial Scheduling Varial	Sele	ids Advanced	*	•		t

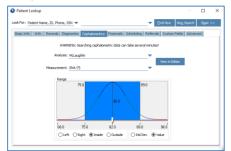
Records Tab

Search criteria that selects patients based on their timepoints and images.

Diagnostics Tab

Search criteria that selects patients based on diagnostic information entered for them using the Questionnaire feature.

Cephalometrics Tab

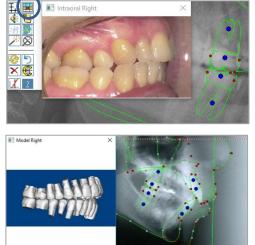


Search criteria that selects patients based on cephalometric information. On this tab, you select an analysis and a measurement from that analysis. Then, identify the range of values for the measurement that you want to use to select patients.

Advanced Tab

Perform previously-saved favorite searches, save or remove favorite searches, and enter advanced search criteria.

Digitize > Start Digitize > Original records window



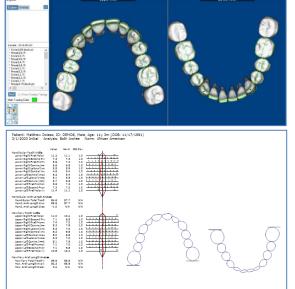
Right-click to display another image.

This feature is extremely helpful. View a digital image of the patient's molar relationship while digitizing the ceph. Click on the **Original records window** then right-click to display the intraoral right image.

Models – Organizing and Digitizing



Undigitized Arch



Add static models for diagnostic evaluation. Create arch-lengthdiscrepancy measurements using model analyses.

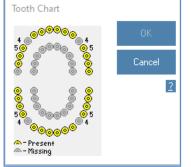
Import or copy/paste digital models in .jpg format into 2D model slots.

An upper and lower image must be captured into the Undigitized Arch slot.

Dolphin 3D—Import digital models in STL or OBJ format (from intraoral scanners, laser model scanners, etc.) into Dolphin 3D. Set occlusion, set orientation, display the models in various surface and volume views, optionally sculpt away bases, take various 3D measurements, and export into 2D slots.

Dolphin 3D can merge the study models with cone-beam data for displaying higher resolution surfaces.

Menu Bar > Tools > Tooth Chart



Use tooth chart to indicate missing teeth for model analysis then digitize the arches. This will omit the teeth that are not present. To indicate a missing tooth, click that position on the diagram. The inner diagram is for primary teeth.

Menu Bar > Tools > Dolphin Licensing

Dolphin Imaging Licenses			-		×
Active Licenses					
Module	Total	Avail.	Com	puters	
Dolphin Imaging	Enabled				
Dolphin Aquarium	Enabled				
Dolphin Aquarium	1	1			
Dolphin Imaging	2	1	VICKIE	-E7470	
Capture	2	2			
Digitize	2	2			
Treatment Simulation	2	2			
Consultation & Image Library	2	2			
Implanner	2	2			
3D Capture	1	0	VICKIE	-E7470	
3D Digitize	1	1			
3D Surgery	1	0	VICKIE	-E7470	
Unencrypted STL Files	Enabled				
2D DICOM	Enabled	-			
Arnett/Gunson	1	1			
McLaughlin	1	1			
<					>
Refresh licenses				C	ose

See exactly which computers are using which licenses. For example, if you try to capture images, and the software says all capture licenses are in use, you can see which computers on the network are currently using capture licenses.

Click Refresh License

Menu Bar > Edit > Title bar Caption

_	thodontics] - ustomize Title	Rudd, Darwin ID: 001	
	astornize riti		
ж	Caption:	{PatientLastName}, {PatientFirstNam	e} ID: {PatientID}
	Tokens:		✓ Insert
L	Preview:	Patient ID Patient Last Name	hin Orthodontics] - Rudd, Darwin ID: 001
		Patient First Name Patient Birthdate Patient Race	
L		Patient Gender	
		Patient Title Patient Nickname Patient's First Name Possessive	a cos la
		Patient's First Name Possessive Patient Email Address	

Show various additional patient information in the main screen title bar. Customize the captions, by adding page setup tokens, such as the patient's age at the current timepoint, etc.

Menu Bar > Edit > Edit Capture Sequence

Existing Capture Sequences	×
Facial-Intracral Occlural Composite Open Bite Pano Lateral Ceph Models Models Models Models Finota/PA Ceph Finota/PA Ceph Finota/PA Ceph Finota/PA Ceph Find(ing) Fadiographs Mise photos (16) Everything Ouck Ouck	SELECT CANCEL
- Facials ONLY- - Facial-Intraoral - - Intraoral-Occlusal - - Std with Buccal Mirror -	RENAME DELETE

Organize the capture sequence screen. Removed unused Capture Sequences and reorder for practice preferences.

Exports or import a capture sequence and its associated layout. It can be used within Dolphin Imaging on another network.

Main Screen > Instant Zoom and Spotlight



From the main screen, the Instant Zoom tool allows you to zoom in on a portion of an image, to view up close. The Spotlight tool is similar, but it also enhances the contrast and sharpness of the Instant Zoom SpotLight magnified section of the image.

 \sim End \sim