ImagingPlus™

Effortlessly manage patient picture and x-ray images. ImagingPlus is the foundation of Dolphin product suites. Carefully designed for quick learning, ImagingPlus lets you effectively capture, organize and present image records. It also includes a set of powerful and user-friendly tools for conveying treatment plans and to easily communicate ideas.

Dolphin imaging software is designed for use by specialized dental practices for capturing, storing and presenting patient images and assisting in treatment planning and case diagnosis. Results produced by the software’s diagnostic and treatment planning tools are dependent on the interpretation of trained and licensed practitioners.

Dolphin Imaging software is an FDA-cleared Class II medical device.
Dolphin Imaging 11.8 product features

One-click Capture
- Snap your photos in sequence and Dolphin will automatically organize the images into a standard layout, such as composite of extraoral, intraoral and occlusal photos
- Preview, crop, rotate, enhance and align photos in one single screen
- Enhancements include brightness, contrast, gamma, hue, saturation, and red eye reduction
- Drag and drop images from your file folders into Dolphin
- Too busy to adjust the images? You can do it later using the Crop-later feature
- Option to automatically preserve the original, un-retouched images

Importing of x-rays, slides and other images
- Supports TWAIN-compliant input devices and is compatible with industry-standard image formats
- Optional x-ray integration software lets you automatically import digital x-ray images.

Orthodontic, Dental and Surgical Preview (optional)
- Quickly re-contours the patient’s profile, such as the lower jaw, to show possible treatment outcome by clicking and dragging your mouse
- Simulates frontal views: maxillary impaction, mandibular reduction, etc.
- Lets you completely refine your results with detailed drawing tools, blend brush and more
- Overlay images from a library of finished cases or teeth with a variety of appliances
- Demonstrate how the patient might look with braces on, with straight teeth, or after a bleaching procedure

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

Slide Presentation
- Slide show presentation of stored images in different formats and layouts

Dolphin Premium (optional)
- Powerful Patient Database. Completely secure, industry-strength relational database (Microsoft SQL)
- Quickly search/scroll the entire patient database using name, age, gender and norm. Other criteria: address, telephone number, referring doctor, treating doctor, treatment diagnoses, etc. Even search based on cephalometric measurements (when used), like incisor overjet, mandibular plane angle, etc.
- Prerequisite to many other premium Dolphin products: AnywhereDolphin.com, 3D, Letter System, Aquarium, Dolphin Management, Dolphin Mobile, etc.

Other
- Print any image (such as panoramic x-ray) in 1:1 life size with simple calibration
- Display cephal tracings created by Dolphin Imaging
- Easily transfer images and layouts to Microsoft PowerPoint, Word and other programs
- Compare images side-by-side
- Export to many image file formats, copy images to Windows Clipboard
- Email images to referrals
- DICOM support (optional)
- Annotation and Measurement System with Anonymizer
Ceph Tracing allows you to analyze cephalometric radiographs and create progress superimpositions quickly and accurately. Utilized by thousands of private practices throughout the world and most orthodontic and oral surgery training programs in North America, Dolphin Ceph Tracing dramatically reduces the tedious and time-consuming task of cephalometric tracing.

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Ceph Tracing

Supports a Variety of Input:
- Capture images from existing files, flatbed scanner, other TWAIN sources or digital x-ray systems. Or, create 2D radiographs out of volumetric CBCT data, using optional Dolphin 3D software.

Lateral Cephalometric Analysis for Orthodontic and Surgical Use:
- Lateral analyses include Ricketts, McNamara, Steiner (Tweed), Jarabak, Roth, Sassouni, McLaughlin, Downs-Northwestern, Bjork, Alexander (Vari-Simplex), Holdaway, Alabama, Burstone, Gerety and many other variations; more than 400 in all!
- Frontal analyses include Ricketts, Van Arsdale, Grummons and Grummons Simplified
- Arch analysis: Bolton, Schwarz
- Automated tooth and cephalometric structure templates, including soft tissue profile, airway, symphysis, maxilla, mandible, condyle, developing third molar, inferior alveolar canal, mastoid process, nasal cavities, orbits, zygomatic arch and many more
- Professional presentation: measurement table, tracing superimposition, tracing and image analysis, Norm deviation display “Downs Wiggle Gram”
- Fully customizable cephalometric analysis, structure, norms
- Norms categorized by gender, age, race

Superimpositions
- Easily overlay tracings over the patient’s lateral photograph or radiographic images
- Superimpose tracings of different timepoints with standardized superimposition references such as SN at Sella, Frankfort at Porion, Na-Pg at ANS-PNS, Na-Ba at CC, Na-Ba at Na, ANS-PNS at ANS, Go-Me at Me
- Multiple superimpositions
- Free-form superimposition
- S-part Ricketts superimposition
- Calculate an “average tracing” from a sample group of patients for research purposes
- Create default settings from your current tracing superimpositions

Digitizing Procedure
- Simple x-ray calibration
- Illustrations and detailed description, depicting each landmark location
- Automatically generated anatomical structures and profiles
- Image enhancements: zoom in/out, brightness, contrast, sharpness, emboss
- Tracing alignment: Frankfort Horizontal, Horizontal Plane, Natural Head Posture

Other Features
- Powerful Image Enhancement features to uncover hard-to-see structures
- Integration with Microsoft PowerPoint and Microsoft Excel
- Overlaying tracing from different timepoints while digitizing—ensuring the most accurate superimposition
Treatment Simulation

- Enhanced features!
- Roth/Ricketts AEO VTO Wizard
- Adopted by the Advanced Education in Orthodontics (AEO) Group and Full FACE Course

The Treatment Simulation software module allows you to plan, diagnose, and present cases from the lateral view. Multidisciplinary VTO Wizards include step-by-step interactive programs for quick and easy analyses and treatment planning. It’s the perfect tool for interdisciplinary clinicians to visualize outcome and work in concert. Dolphin Treatment Simulation can be used for both orthodontic and surgery cases.

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Dolphin Imaging 11.8 product features

Orthodontic Treatment
- Translate, tip and rotate incisors; reposition molars; auto-rotate the mandible
- Arch Length Discrepancy worksheet; initial condition, leeway, extraction, expansion and stripping
- CO-CR Conversion. Enter CPI or MPI reading; simulates fulcrum of lower jaw at the first dental contact; automatically repositions centric occlusions to centric relations

Growth Forecast
- Simulate growth on a traced x-ray, or tracing overlaid on a photo by inputting current skeletal age and desired duration of growth
- Superimpose one or more growth tracings over original tracing, aligned to any desired reference plane
- Easily view post-growth measurements and the grown image
- Choose from Bolton or Ricketts growth algorithm

VTO Wizards and Analyses
Allow the clinician to quickly predict, plan, and visualize the sequence of treatment to be performed:
- AEO-Roth/Ricketts
- McLaughlin (optional module)

Treatment Goals
Treatment Simulation based on specific cephalometric goals:
- Upper Incisor to A-Pogonion
- Upper Incisor to Sella-Nasion Angle
- Interincisal Angle
- Lower Incisor to A-Pogonion
- Lower Incisor to A-Pogonion Angle
- Lower Incisor to Mandibular Plane

Orthognathic Surgery
- Le Fort, BSSO, double jaw, genioplasty
- Rinoplasty (with image touch-up, morphing tools)
- Cheekbone implant (with image touch-up, morphing tools)
- Model block surgery report
- Precise profile soft tissue touch-up and contouring tools

Other
- Appropriately alter soft tissue profile based on dental and skeletal movement
- Develop treatment plan with any standard or custom cephalometric analysis
- Easily use and navigate visual handles or enter precise treatment values
- Customize skeletal-to-soft tissue movement ratios
- Undo history-of-treatment steps
- Easily compare with other treatment plans
- Export images to Windows Clipboard and other image files
- Movie Morphing feature lets you demonstrate the transformation from pre-treatment to simulated results
The Dolphin Letter System simplifies generating effective and comprehensive correspondence with pictures. Customize your pre-screening diagnostic questions and treatment decision communications. The Dolphin Letter System formats the answers concisely with the appropriate images automatically inserted. Choose from dozens of predefined, professionally written templates or customize your own collection.

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Extensive Letter Template Library
- Several dozen professionally written templates, including: extraction, deband, initial exam, treatment progress, diagnostic results, treatment requests, certificates and welcome letters
- Create a set of letters simultaneously to several related parties: patient, parent, doctor, referral and insurance company

Patient Exam Questionnaire
- Customized exam questionnaire: you design the questions and you create the answer choices
- Enter patient’s examination information; generate a letter set that includes referrals, patients and insurance company
- Patient’s data is preserved in Dolphin’s database for easy access later on or to create additional letters

Customize Contents
- Easily access hundreds of existing diagnostic and treatment codes
- Create and modify the list of treatment options and diagnostic findings
- Modify existing templates from the library or design your own
- Insert pre-determined image types: facial photos, intraoral photos or radiographs
- Incorporate diagnostics and treatment plans in different levels of terminology: clinical, layman or create your own style

Other
- Automatically insert pre-determined images from the patient’s Dolphin records
- Letter Wizard takes you step-by-step through the letter creation process
- Utilize the full power of Microsoft Word to create custom letters
- Compatible with Word versions 2000 or above