



Treatment Simulation

- Enhanced features!
- New VTO Wizard: Roth/Ricketts
- Used by the Roth/Williams Advanced Education in Othodontics group



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.



Treatment Planning (VTO)

COCR Growth TxPlan Goals

U1 - APo (mm): 3.6
 U1-SN °: 96.2
 U1 - L1 °: 144.8
 L1 - APo (mm): 0.0
 L1 - APo °: 16.2
 L1 - MP °: 85.5

Arch Length Discrepancy:
 Max: 0.5mm Crowding
 Mid: 3.9mm Crowding

† For more information on the AEO Group visit: <http://www.rothwilliams-aeo.com>

Orthodontic Treatment

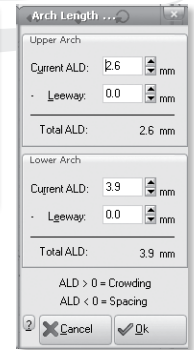
- Translate, tip and rotate incisors; reposition molars; auto-rotate the mandible
- Arch Length Discrepancy worksheet: initial condition, leeway, extraction, expansion and stripping
- CO-CR Conversion. Enter CPI or MPI reading; simulates fulcrum of lower jaw at the first dental contact; automatically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

Growth Forecast

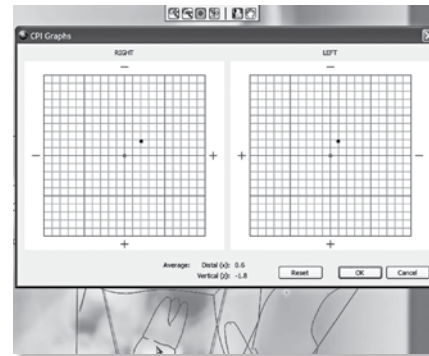
- Simulate growth on a traced x-ray, or tracing overlaid on a photo by inputting current skeletal age and desired duration of growth
- Superimpose one or more growth tracings over original tracing, aligned to any desired reference plane
- Easily view post-growth measurements and the grown image
- Choose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



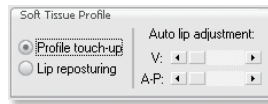
Dental movement



Arch length discrepancy worksheet



Analyze the discrepancy between centric occlusion and centric relation; set the hinge axis rotation point; view the CPI graphs and simulate the correction.



Profile touch-up tools

Maxilla	A-P	Vert
ANS	-1.0	+0.5
PNS	-0.4	+6.7
Mx1 tip	+1.4	+0.3
Molar MB cusp tip	+0.6	+4.2
Mandible	A-P	Vert
Md1 tip	+6.1	+1.4
Molar MB cusp tip	+8.6	-2.7
B point	+10.1	0.0
Pog	+10.1	+0.1
Genioplasty	-1.6	-0.2

Reposition molars

VTO Wizards and Analyses

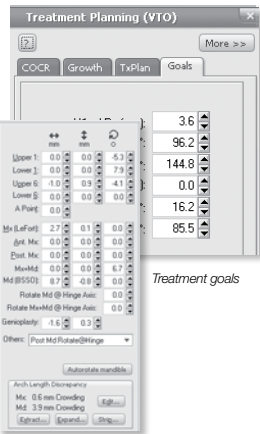
Allow the clinician to quickly predict, plan, and visualize the sequence of treatment to be performed:

- AEO-Roth/Ricketts
- Arnett (optional module)
- McLaughlin (optional module)

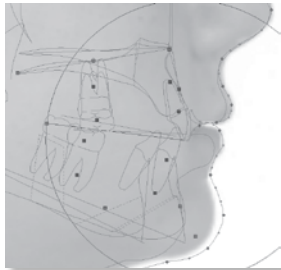
Treatment Goals

Treatment Simulation based on specific cephalometric goals:

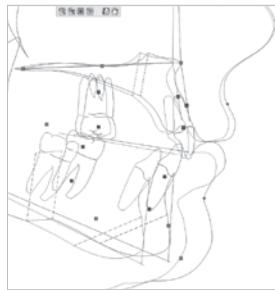
- Upper Incisor to A-Pogonion
- Upper Incisor to Sella-Nasion Angle
- Interincisal Angle
- Lower Incisor to A-Pogonion
- Lower Incisor to A-Pogonion Angle
- Lower Incisor to Mandibular Plane



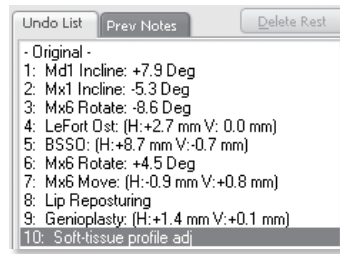
Treatment goals



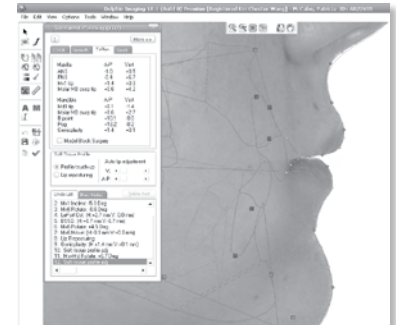
Double jaw surgery simulation



Surgical operations



History of treatment steps



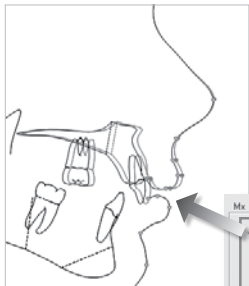
Precise profile touch-up

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



Custom skeletal-to-soft tissue movement ratios

Mx	Horiz %	Vert %
Tip of Nose	20	20
Subnasale	25	0
ST A Point	67	0
Upper Lip	83	0
Slom Sup.	83	0
UL, Inside	83	0

