Vesselucida 360
Release Notes

Version 2019.1.1 (1/23/2019)

NEW FEATURES AND ENHANCEMENTS

Vesselucida 360 3D environment

- 3D contour drawing added
- 3D marker placement added
- 3D vessel editing: Classify several segments simultaneously using CTRL-left-click to select the segments.
- 3D contour editing: Added button to reset all selected contours/shells back to Line mode display.
- 3D editing: Nodes and points now distinguishable by color

Vesselucida 360 overall

- Automatic cell detection workflow added to speed up detection process.
- Completely redesigned Preferences panels with a handy search functionality
- SVG Export: Scalebar color and placement controls; new EMF detail slider.
- Huron support: Huron jpeg files, definition for Huron file extension, support for Huron TIFF images

ISSUES RESOLVED

Vesselucida 360 3D environment

- 3D tracing: difficult to trace red vessels because default node color was red; automatic tracing could only be implemented once with multichannel image
- 3D editing: using 'Color Sets' before Classify displayed all vessels as traced color ; couldn't adjust vessel thickness with slider; classification was lost when renaming a vessel post-classification; points were too large to see the segments
- 3D marker: Marker sizing UI issue
- 3D movies: Zooming didn't work when using perspective projection
- 3D image: Rounding error with partial projection thickness; changes to the partial projection thickness and position could not be applied using the Enter key.

Vesselucida 360 overall

- Orthogonal view: Asymmetrical depth filter was removed from program, now available; Go Here operation changed to move to the nearest image plane instead of Z value user clicked on when image stack is present.
- Export: Images misaligned in exports; when tracing outside of the export area was still visible, open contours have sharp edges.
- 2D-3D synching: 2D and 3D thicknesses not consistent after changing thickness; when moving the point near a node in 2D, the surface in 3D wasn't built correctly.
- Image scaling: Sometimes incorrect scaling resulting from dragging multiple image files into the application
- Images: Various problems processing large jpeg2000 files
- Contours: Circle contours could not be placed in a section; crash when splicing contours while the Contour Measurements window was open; Meander Scan didn't display right-click menu options with square or circle contours.
- Sections: Issue with Modify Section dialog where changes to current section checkboxes persisted despite cancellation.