

# StrokeSENS

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v.2.2.0

(418)

Release Notes

## What's New in Version 2.2.0

### Platform updates

- Enhanced integration support for StrokeSENS modules (LVO, ASPECTS) into specific platform environments

### New StrokeSENS mCTA module (not for clinical use)

- Functionality for processing multiphase CTA images to produce visualizations that show peak phase perfusion parameters

## Resolved Issues

The following list contains resolved usability related issues, in addition to all other internal issues resolved during the product development process.

Number	Summary
<b>NV-3168</b>	Affected side is showing as Left/Right when ASPECTS is 10 and EIC volume is 0

## Known Issues

Number	Summary
<b>NV-3226</b>	Internal discrepancies between GE and SS executions of ASPECTS <i>Workaround: None</i>
<b>NV-3225</b>	Internal discrepancies between GE and SS executions of LVO <i>Workaround: None</i>
<b>NV-3224</b>	dcm2niix generating unexpected overlay voxels <i>Workaround: None</i>
<b>NV-3211</b>	mCTA DICOM warning image has overlapping text. <i>Workaround: All text on the QC warning page can be viewed from the non-DICOM outputs.</i>
<b>NV-3210</b>	ASPECTS dicoms and Modified ASPECTS dicom dont contain Prototype label <i>Workaround: None</i>
<b>NV-3205</b>	Error processing studies with space in the study folder name <i>Workaround: Remove spaces in the study folder name and re-run processing.</i>
<b>NV-3203</b>	Upon mCTA processing a study from API process request, the study is not deleted from mlInput folder.

<i>Workaround: None</i>	
<b>NV-3144</b>	JSON for ASPECTS has an extra blank entry <i>Workaround: User can still use all other keys/values in the JSON</i>

## External Libraries – Copyright and Licensing Requirements

This is a list of free and open-source software used in our products, including any modifications made by Circle Cardiovascular Imaging Inc., throughout the course of our development. To access the most up-to-date information on the open-source software we use, visit:

<https://www.circlevi.com/open-source-software/>

### Tensorflow 2.7.0

Project Website	Tensorflow Project
License	Apache 2.0 License

### Advanced Normalization Tools (ANTs) 2.3.4

Project Website	Advanced Normalization Tools (ANTs) Project
License	Apache 2.0 License

### SimpleITK v2.0.2

Project Website	SimpleITK Project
License	License

### Dcm2niix v1.0.20171215

Project Website	Dcm2niix Project
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### OpenCV v4.5.5

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### GDCM v3.0.21

Project Website	GDCM Project
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### Dcmj2k v3.6.7.10

Project Website	Dcmj2k Project
License	License

### International Components for Unicode (ICU) 60.2

Project Website	Unicode Consortium
License	ICU License
Download	Source Code and Binaries

### Qt 5.15.14 (standalone) / 5.15.16 (GE)

Project Website	Qt Project
License	License

### Eigen v3.3.7

Project Website	Eigen Project
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### DCMTK v3.6.7.1

Project Website	DICOM Toolkit (DCMTK) Project
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<b>Go v1.20</b>	
Project Website	The Go Programming Language
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<b>Google Protobuf v3.13.0.1.1</b>	
Project Website	Goggle Protobuf
License	License

## Support

For further information on installing/exchanging the dynamic libraries please contact Circle Cardiovascular Imaging support.

**Phone:** +1 (403) 338-1870

**E-mail:** [support@circlecvi.com](mailto:support@circlecvi.com)

**Website:** [circlecvi.com](http://circlecvi.com)

### Circle Cardiovascular Imaging Inc.

Suite 1800, 707 - 8th Ave SW

Calgary, AB, T2P 1H5

Canada