StrokeSENS

v.2.1.0
(300)

Release Notes

circle
CARDIOVASCULAR
IMAGING

What's New in Version 2.1.0

New StrokeSENS ASPECTS clinical module

- Alberta Stroke Program Early CT Scoring (ASPECTS) for automated detection and characterization of early ischemic changes on head CT

New StrokeSENS mCTA clinical module

- Multi-phase CTA (mCTA) tools to produce visualizations that indicate dynamic changes in contrast-enhanced CTA related to parameters of perfusion and cerebral blood flow.

Platform updates

- Support for Linux Docker container deployment
- Additional controls for licensing and distribution
- REST API service for triggering study processing and alerting host system of processing status
- StrokeSENS is now supported in the following languages:
  - English (en_US)
  - French (fr_FR)
  - German (de_DE)
  - Italian (it_IT)
  - Portuguese (pt_PT)
  - Spanish (es_ES)

Known Issues

Number	Summary
NV-3144	JSON for ASPECTS has an extra blank entry *Workaround: User can still use all other keys/values in the JSON*

In the Build Package

- StrokeSEN_2.1.0_(300).tar.gz
- 2.1.0
  - Software Usage Terms and Conditions.pdf
  - StrokeSENS v2.1.0 Software Integration Guide.pdf
  - StrokeSENS v2.1.0 DICOM Conformance Statement.pdf
  - UserManuals
    - StrokeSENS_User_Manual_v2.1_de_DE.pdf
    - StrokeSENS_User_Manual_v2.1_en_US.pdf
    - StrokeSENS_User_Manual_v2.1_es_ES.pdf
    - StrokeSENS_User_Manual_v2.1_fr_FR.pdf
    - StrokeSENS_User_Manual_v2.1_it_IT.pdf
    - StrokeSENS_User_Manual_v2.1_pt_PT.pdf

External Libraries – Copyright and Licensing Requirements

Library name	version	Licensing agreement	Download link
Tensorflow	2.7.0	Apache License 2.0	https://www.tensorflow.org/
Qt	5.15.14	https://www.qt.io/terms-conditions/	https://login.qt.io/login
Eigen	3.3.7	Mozilla Public License, version 2.0	https://bitbucket.org/eigen/eigen/get/3.3.7.zip
DCMTK	3.6.7.1	http://dicom.offis.de/dcmjp2k.php.en	http://dicom.offis.de/dcmtk.php.en
SimpleITK	2.0.2	https://github.com/SimpleITK/SimpleITK/blob/master/LICENSE	https://github.com/SimpleITK/SimpleITK/releases/tag/v2.0.2
Dcm2niix	1.0.20171215	https://github.com/rordenlab/dcm2niix/blob/master/license.txt	https://github.com/rordenlab/dcm2niix
GDCM	3.0.21	https://gdcm.sourceforge.net/Copyright.html	https://gdcm.sourceforge.net/wiki/index.php/Downloads
Boost	1.66.0	https://www.boost.org/users/license.html	https://www.boost.org/users/history/version_1_66_0.htm
PyTorch	1.10	https://pytorch.org/	https://github.com/pytorch/pytorch/blob/master/LICENSE
RLM	15.1BL1	http://www.reprisesoftware.com/admin/software-licensing-downloads.php	http://www.reprisesoftware.com/admin/software-licensing-download.php?&euagree=yes
ICU	60.2	https://github.com/unicode-org/icu/blob/main/icu4c/LICENSE	https://icu.unicode.org/download/56
OpenCV	4.5.5	https://github.com/opencv/opencv/blob/master/LICENSE	https://github.com/opencv/opencv/tree/2.4
Go	1.20	https://golang.org/LICENSE	https://golang.org/dl

Support

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

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