

# Magnetic Resonance Innovations

*"Your partner in brain image analysis"*

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## Detection and Quantification of Cerebral Microbleeds

Our **SPIN CMB (Cerebral Microbleed)** software automatically detects and quantifies the CMBs in the brain. With the advent of new susceptibility weighted imaging techniques, there has been a recent increase in research on CMBs that has shown them to be associated with many neurological diseases, including traumatic brain injury, stroke, dementia, hypertensive arteriosclerosis, and more. In the case of stroke treatment, it is critical to know if CMBs are present as the use of anti-platelet may or may not be advisable if evidence of previous bleeding is present. The number of CMBs, their timeline of development, and their locations may be used as a precursor for diagnosis of dementia and vascular disorders.

By helping to limit the interpreter bias in the detection of CMBs, this module may facilitate better treatment options. Further, by providing quantitative metrics, longitudinal information can be used in the clinical setting.

### Features and Clinical Use

#### **FEATURES:**

- \* Automatic quantification of CMB number, location, and iron content
- \* Automatic report generation
- \* Queue processing for large collections of cases
- \* Easy-to-use interface

#### **CLINICAL USE:**

- \* Stroke, Dementia, and Traumatic Brain Injury

