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Contact:  
Peter Evers  
Natron Communications  
(415) 888-3314  
[peter@natroncomm.com](mailto:peter@natroncomm.com)



### **iSchemaView RAPID™ Technology Now Installed in More Than 500 Stroke Centers — up 48 Percent Since April**

*Explosive Growth of the De Facto Standard for Advanced Cerebrovascular Imaging*

**Redwood City, Calif. — August 14, 2018** — iSchemaView, the leader in cerebrovascular imaging analysis, today announced accelerated adoption of the RAPID advanced imaging platform. Over 575 stroke centers in 22 countries around the world have now committed to using the RAPID platform, with 520 currently installed. RAPID technology assists physicians in the analysis of brain images using automated tools for CT ASPECTS, CT angiography, CT perfusion, MR diffusion and perfusion for more than 85,000 stroke cases per year. RAPID is also currently deployed in six multi-center clinical trials globally — adding 200 hospitals to RAPID’s global reach.

“Stroke centers want the very best technology to improve patient outcomes, and RAPID’s reputation as the platform of choice for stroke research has accelerated the pace of our growth tremendously,” said Don Listwin, CEO of iSchemaView. “The fast growth of the RAPID platform — the only next-generation imaging platform validated in multiple clinical trials — means a substantial increase in the number of addressable patients who have suffered ischemic stroke.”

Under IRB approval, iSchemaView’s RAPID platform was recently used to select patients for two landmark stroke trials published in *The New England Journal of Medicine*, DAWN and DEFUSE 3, that successfully treated patients up to twenty-four hours after onset. RAPID was the exclusive imaging tool used to aid in patient selection in both studies. The results of the studies helped change the American Heart Association and American Stroke Association’s stroke guidelines to include CT perfusion and MR perfusion.

The prior treatment window for mechanical thrombectomy was up to six hours. Starting in 2018, select patients with salvageable brain tissue identified through advanced

imaging are now eligible for treatment up to twenty-four hours after they were last seen well.

“In addition to individual stroke centers, iSchemaView’s RAPID platform has recently been adopted by several large hospital systems, including 17 hospitals of Baylor Scott & White Health,” said Anil Singhal, MD, Senior Vice President for iSchemaView. “By deploying RAPID through large hospital systems in a hub and spoke model, more patients will be able to get the right treatment at the most appropriate facility, vastly improving patient care and at the same time increasing hospital efficiency.”

The RAPID neuroimaging platform creates high-quality images from non-contrast CT, CT angiography, CT perfusion and MRI diffusion and perfusion studies. The software provides an intuitive and easily interpretable real-time view of brain perfusion, allowing physicians to determine lesion volumes for a wide variety of different thresholds. The platform includes four different imaging products, tailored to the particular needs of each facility:

- **RAPID MRI** provides fully automated, easy-to-interpret diffusion and perfusion maps that identify brain areas with low ADC values, as well as delayed contrast arrival. RAPID MRI perfusion automatically quantifies regions of reduced cerebral blood flow, volume and transit time that exceed pre-specified thresholds.
- **RAPID CTP** provides perfusion maps that automatically quantify regions of reduced cerebral blood flow, volume and transit time that exceed pre-specified thresholds. Regions are color coded, and the volumes of interest are automatically measured. Maps (including mismatch maps) of the severity of Tmax delays are provided using a four-color-coded scale.
- **RAPID CTA** automatically provides clear, easy-to-interpret CTA maps which include a colored overlay to identify brain regions with reduced blood vessel density. The severity of reduction can be readily visualized by a simple four-color-coded scale. Additionally, a 3D reconstruction of the vasculature allows physicians to rotate the image for optimal viewing of the vessels from multiple angles.
- **RAPID ASPECTS** automatically generates a standardized score — based on clinically validated machine learning algorithms — that enables physicians to easily communicate about the extent of a patient’s ischemic changes and to determine eligibility for thrombectomy (clot removal). In addition, RAPID ASPECTS provides clear visualization of the brain so that clinicians can better

scrutinize each region and confirm the automated score. RAPID ASPECTS is CE Marked.

### **About iSchemaView**

iSchemaView is the leader in cerebrovascular imaging analysis, delivering the proven software tools that healthcare professionals around the world use to successfully identify and treat more stroke patients than ever before. Already installed in over 500 hospitals and stroke centers, iSchemaView's RAPID (automated CTP, MR, CTA and ASPECTS) is the most advanced brain imaging platform. In clinical trials, under IRB, RAPID has been shown to aid in the selection of patients in early and late-window stroke trials, including SWIFT PRIME, EXTEND IA, DAWN and DEFUSE 3. In addition to achieving the best clinical outcomes and largest treatment effects ever obtained, these landmark studies led to new American Heart Association and American Stroke Association guidelines and have dramatically altered the management of acute stroke around the world. For more information, visit [www.iRAPID.com](http://www.iRAPID.com).

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