



Segasist Technologies
MaRS Centre, South Tower
101 College Street, Suite 200
Toronto, ON M5G 1L7

News Release: Segasist showcases its new consensus contouring software, Reconcillio™, at RSNA 2011 in Chicago

FOR IMMEDIATE RELEASE

November 23, 2011 (Toronto, ON) – Segasist Technologies, a Canadian software company developing automated image contouring tools for medical applications, announced today that it will showcase its latest consensus auto-contouring software, **Reconcillio™**, along with its recently FDA 510(k) cleared prostate auto-contouring software, **Segasist P-AC**, later this month at the 97th Scientific Assembly and Annual Meeting of RSNA (Radiological Society of North America) at McCormick Place in Chicago, Illinois.

Reconcillio's automated capabilities build computational consensus among clinical experts with respect to the exact boundaries of tumors/organs and also verify a clinician's consistency in contouring. Unlike other contouring software, Reconcillio can automatically generate consensus contours for any medical image – without requiring multiple clinicians to delineate the same image.

“Contouring is highlighting the tumor/organ boundaries in medical images,” explains Dr. Hamid Tizhoosh, the CEO of Segasist Technologies, “doctors contour differently. Even the same doctor may contour the same image differently, if observed for a second time. This has been a persistent problem hindering quality control. If several doctors are in the room to mark the same image, then a ‘consensus contour’ could be easily built. However, this is not a realistic solution, for we don't have the luxury of multiple doctors treating/diagnosing the same patient.”

Indeed, the variability in marking medical images is sometimes so drastic that experts may agree on only 50% of the total delineated target volume or even less.

“Having access to consensus is pivotal for reducing, or ideally removing the variability” says Tizhoosh, “Reconcillio, for the first time, enables us to provide an expert with consensus contours without depending on explicit contouring by their colleagues. Reconcillio can also help decrease intra-observer variability by verifying the consistency of the same user using the information of previous cases contoured by that user.”

The Network version of Reconcillio, available after RSNA, is capable of creating and accessing contouring knowledge in a network accessible to multiple doctors.

“We believe the computational consensus concept of Reconcillio will revolutionize the contouring landscape in medical imaging,” says Tizhoosh, “Now that Reconcillio can operate in a network, new horizons open up to merge contouring innovations with cloud computing platforms.”

Segasist P-AC, the company's flagship prostate contouring software, which recently received U.S. Food and Drug Administration (FDA) 510(k) clearance will also be demonstrated at the show.



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Segasist P-AC is a software tool developed for the purpose of segmenting MR, CT and Ultrasound images of the prostate gland for diagnostic and treatment-planning purposes. It can be trained by individual clinicians to accurately and quickly process prostate images, including fast slice-by-slice auto-contouring and volumetric calculations.

“We are already developing new versions of P-AC enriched with more valuable and exciting features and functionalities” adds Hamid Tizhoosh, “DICOM-RT capabilities, a variety of visualization schemes, more comprehensive editing tools, unlimited number of contours per slice, and, of course, faster and even better segmentation. Our ultimate goal is to exploit the potential of the Segasist Engine. Segasist P-AC is just the beginning.

Visit Segasist at RSNA 2011 at McCormick Place in the North Building, Hall B, Booth 9336D.

For more information contact: Dr. Hamid R. Tizhoosh, (647) 260-7834 or visit <http://www.segasist.com>