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CIRS Launches New MRI Distortion Check Software

August 29, 2017 (Norfolk, VA.) MRI Distortion Check is a new, cloud-based solution designed to quickly and automatically quantify distortion in MRI images. Used in conjunction with CIRS MRI Grid phantoms, the software provides the capability to quickly and accurately measure distortion through out the entire image volume.

After automatically detecting thousands of grid intersections, the software registers either a CAD or CT scan ground truth to these MR detected control points. An interpolation is then performed to generate 3D distortion vector fields.

Results can be reported in a variety of output formats including scatter plots, contour plots, box and whisker plots and DICOM overlays that can be imported to TPS or other 3rd party software. The software algorithms will work with any grid configuration and CIRS employs proprietary 3D printing techniques that enable easy modification of grid phantoms to meet customer requirements.

"With this new and innovative solution to measuring MR distortion, we are excited to present our customers with a seamless, efficient workflow starting from phantom setup thru image acquisition and detailed analysis. Results and trends can be monitored by machine, MR sequence, phantom or any combination of the same," states Mark Devlin, President CIRS, Inc.

CIRS will display the MRI Distortion Check Software along with the Model 604, Large Field MRI Distortion Phantom, and 603A, MRI Skull Distortion Phantom, at ASTRO 2017, Booth 1320.

For more information about the MR Distortion Check Software, visit www.cirsinc.com .

About CIRS
CIRS is recognized worldwide for tissue simulation technology and is the leader in the manufacture of phantoms and simulators for quantitative densitometry, calibration, quality control and research in the field of medical imaging and radiotherapy. CIRS is headquartered in Norfolk, VA (USA) and distributes products worldwide.

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