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Press Contact
Eryn Lee
900 Asbury Ave
Norfolk, VA 23513
elee@cirsinc.com

**CIRS Releases Contrast Enhanced Spectral Mammography Phantom
*A Simple Comprehensive Phantom for Routine CESM QA***

February 21, 2019 (Norfolk, VA.) The CIRS Contrast Enhanced Spectral Mammography (CESM) Phantom is designed to address the need for QC of CEDM systems. The phantom demonstrates the presence and absence of iodine in tissues by containing different iodine concentrations and non-iodine breast tissue substitutes. The CESM phantom represents an average human breast in size and shape.

The phantom consists of four slabs. A target slab is made from breast-equivalent material in 50/50 ratio of gland and adipose tissue. The slab contains two sets of four plugs, each plug having an iodine concentration of 0.2, 0.5, 1.0 and 2.0 mg/cm². These concentrations have been chosen to cover the clinical range of iodine concentrations. A fifth plug is made of 100% glandular tissue equivalent material. This plug is positioned in the center of each plug group to mimic a glandular lesion. The contrast slab consists of half 100% adipose material and half 100% glandular material to test iodine separation from the background over a wide range of densities. The top and bottom slabs are made from 100% Adipose material and have rounded edges to mimic the realistic shape of a compressed breast.

“The goal of this product was to merely define a simple comprehensive phantom for CESM that consists of both clinical iodine concentrations and key breast density differences” states Remy Klausz, Principal Engineer, GE Healthcare Women’s Health

CIRS will display the Contrast Enhanced Spectral Mammography Phantom at ECR 2019, hall expo X1, booth 128.

For more information about the Contrast Enhanced Spectral Mammography Phantom, visit www.cirsinc.com.

About CIRS

CIRS, a Castleray Company, is recognized world wide 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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