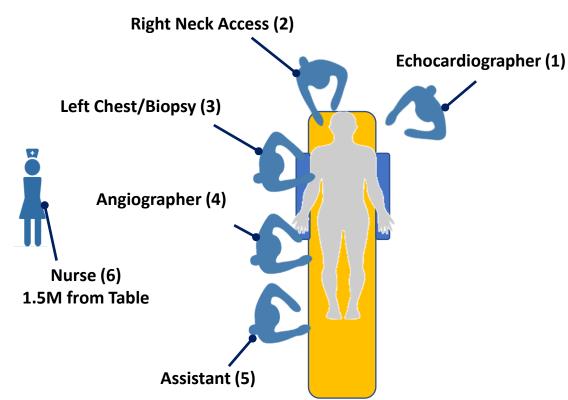


Egg Medical Clinical Data

Radiation Cloud in the Cath Lab

RaySafe Radiation Meter

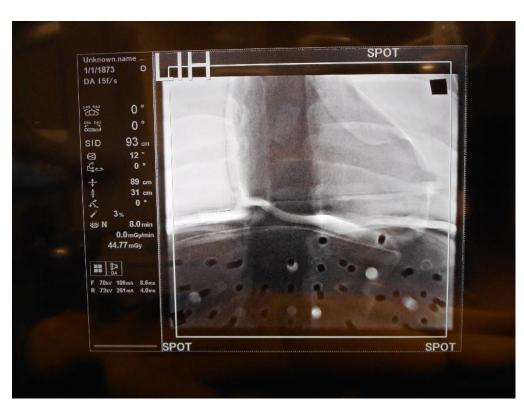




- Used a state-of-the-art radiation meter
- Collected measurements in 6 most common positions around the table
- At each position 10 measurements were recorded from 20cm to 200cm

This test allowed us to understand the highest exposure areas for scatter radiation in the cath lab using a human phantom and measuring scatter at 6 positions around the cath lab table

Measurement Methodology

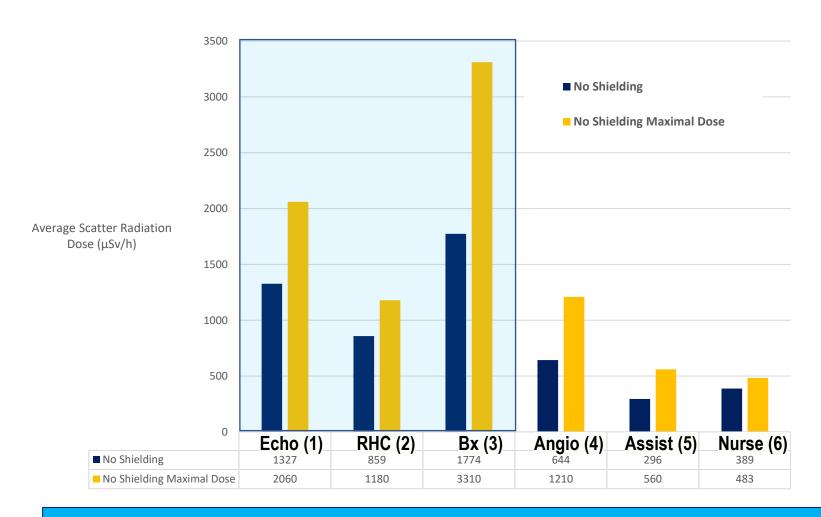


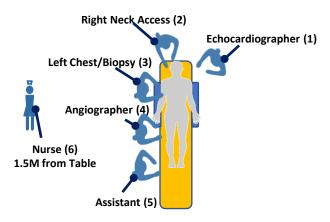
US Department of Energy Anthropomorphic Human Phantom



RaySafe X2 Scatter Radiation Meter Measurements 20-200 cm From the Floor, in 20 cm Intervals

Scatter Radiation Around the Cath Lab Table



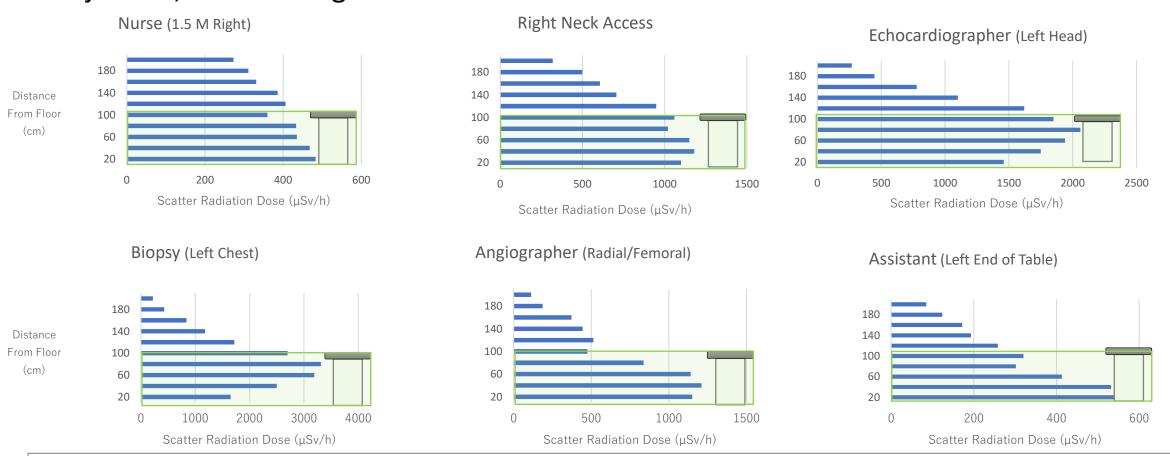


- The positions near the head and chest receive the most scatter radiation
- The nurse position 1.5 M from the table receives more radiation than the assistant position at the table pedestal

This graph shows where the highest dose of scatter radiation is by position around the cath lab table by adding up the 10 measurements in each position to highlight average dose and highest dose

Distribution of Scatter Radiation by Position

PA Projection, no shielding



69% of scatter radiation comes from at and below the table surface Effective protection must protect below the table and at the head

Assessment of EGGNEST Reduction of Scatter Radiation Exposure

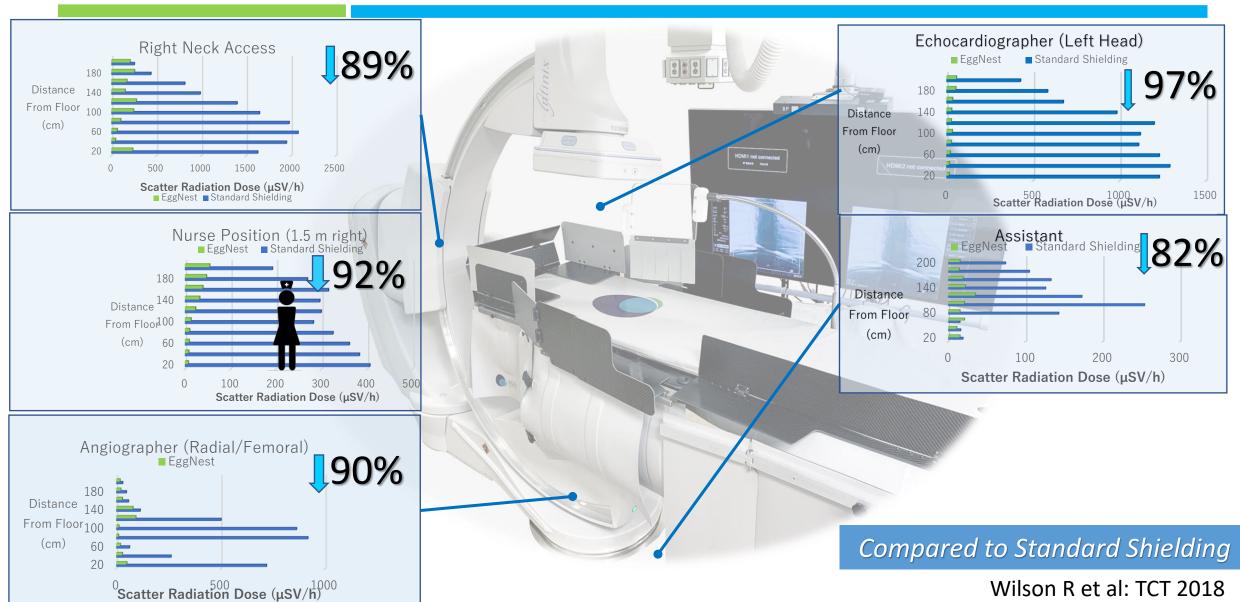
Experimental set-up

- Toshiba Infinix (2014) fixed C-arm x-ray system: **70 keV fluoroscopy at 15 fps**
- US Department of Energy calibrated anthropomorphic human phantom
- Scatter radiation measured with RaySafe X2 radiation meter (Fluke Biomedical)
- Measurements taken from 20 cm to 200 cm from the floor in each position

Protocol 1

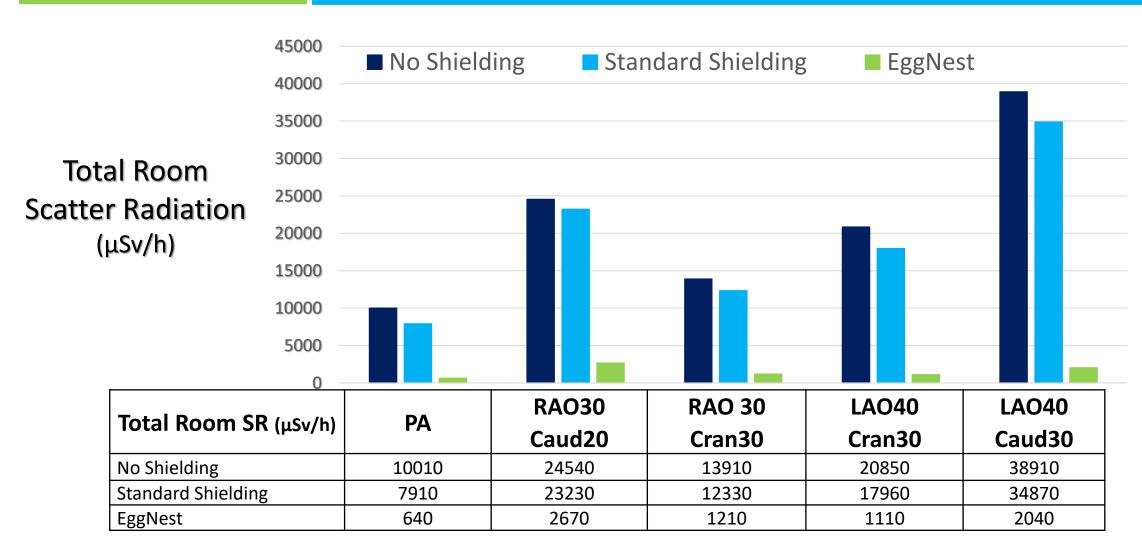
- PA Projection
- Scatter radiation measured at 6 positions around the cath lab table corresponding to locations typically occupied by cath lab personnel
- Measurement obtained with three levels of radiation protection
 - No shielding
 - Standard shielding consisting of a hanging shield and table shield, both 0.5 Pb equivalent
 - The EggNest

Effect of the EggNest XR™ on Scatter Radiation Around the Table



Wilson R et al: TCT 2018

Effect of Shielding on Total Room Scatter Radiation



^{*}Average scatter radiation dose for all heights and positions around the table

Wilson R et al: TCT 2018

Average Scatter X-ray Dose Reduction- All Positions

EggNest v. Standard Shielding	All Heights Sum Dose Averaged (1-(EN/STD))				
	PA	RAO30/Cuad20	RAO30/Cran20	LAO40/Cran30	LA040/Caud30
Echocardiographer	97%	87%	91%	94%	90%
Right Heart Cath	89%	81%	87%	94%	95%
Right/Left Chest	92%	94%	93%	97%	95%
Angiographer	90%	98%	90%	73%	94%
Assistant	82%	80%	72%	48%	95%
Nurse	92%	91%	93%	95%	98%
Projection Average	92%	88%	90%	94%	94%

Egg Medical, Inc. Confidential Material

EggNest™ System Overview

Base Platform: The EggNest XR

Integrated

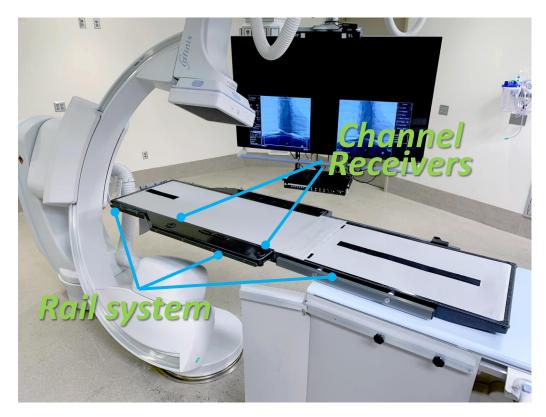
Shielding

- Carbon fiber frame with a patient mattress and shielding inside
 - Strong
 - Light
 - * Radiolucent
- Prevents radiation leak from the mattress

Rail System

The foundation of the EggNest XR is a carbon fiber "sled" that replaces that patient mattress and becomes the platform to attach and support all the radiation protection components

Base Platform: The EggNest XR

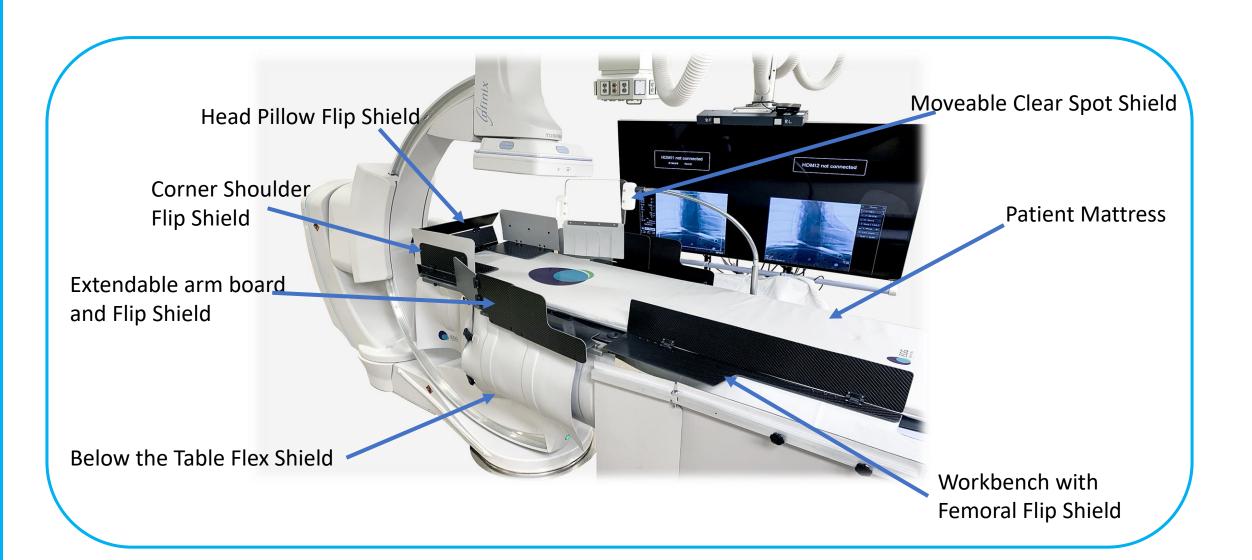


EggNest XR base platform with integrated foam mattress (replaces patient mattress on cath lab table)



EggNest XR platform with foam mattress topper added

The EggNest XR™



Egg Medical®

