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MEDICAL TECHNOLOGIES INC



Evidence of Risks: Head and Neck Tumors

- Interventionalists have self-reported numerous cases of malignancies
- Among these include many incidence of GMB, the most aggressive & deadly brain tumor with 2yr mean survival from diagnosis
- Hazard Ratio – Cardiologists ~75-100X more likely to develop GBM (underestimate)

Brain and Neck Tumors Among Physicians Performing Interventional Procedures

Ariel Roguin, MD, PhD^{a,*}, Jacob Goldstein, MD^b, Olivier Bar, MD^c, and James A. Goldstein, MD^d

Brain tumours among interventional **cardiologists**: a cause for alarm? Report of four new cases from two cities and a review of the literature

by Roguin, Ariel; Goldstein, Jacob; Bar, Olivier

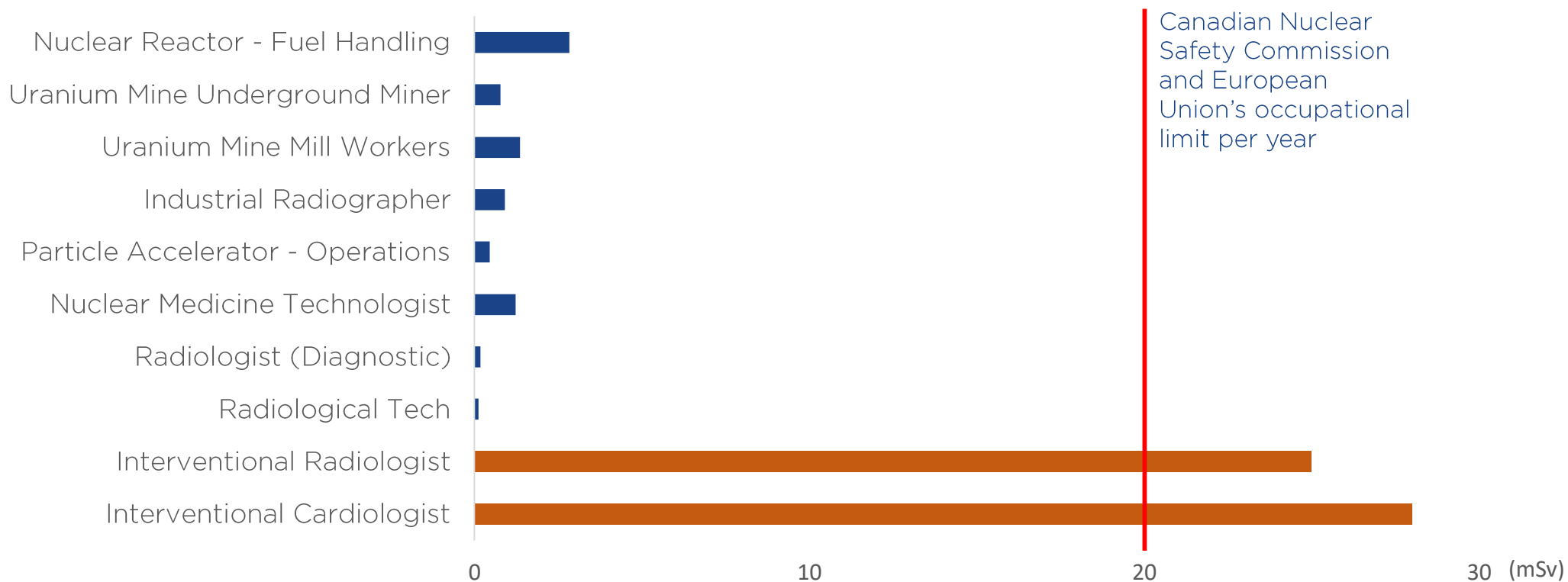
Radiation and Your Brain

Possible measures to reduce radiation exposure in the cath lab.

BY ARIEL ROGUIN, MD, PhD, AND GABRIEL BARTAL, MD, FCIRSE, FSIR



Mean Annual Radiation Dose by Occupation



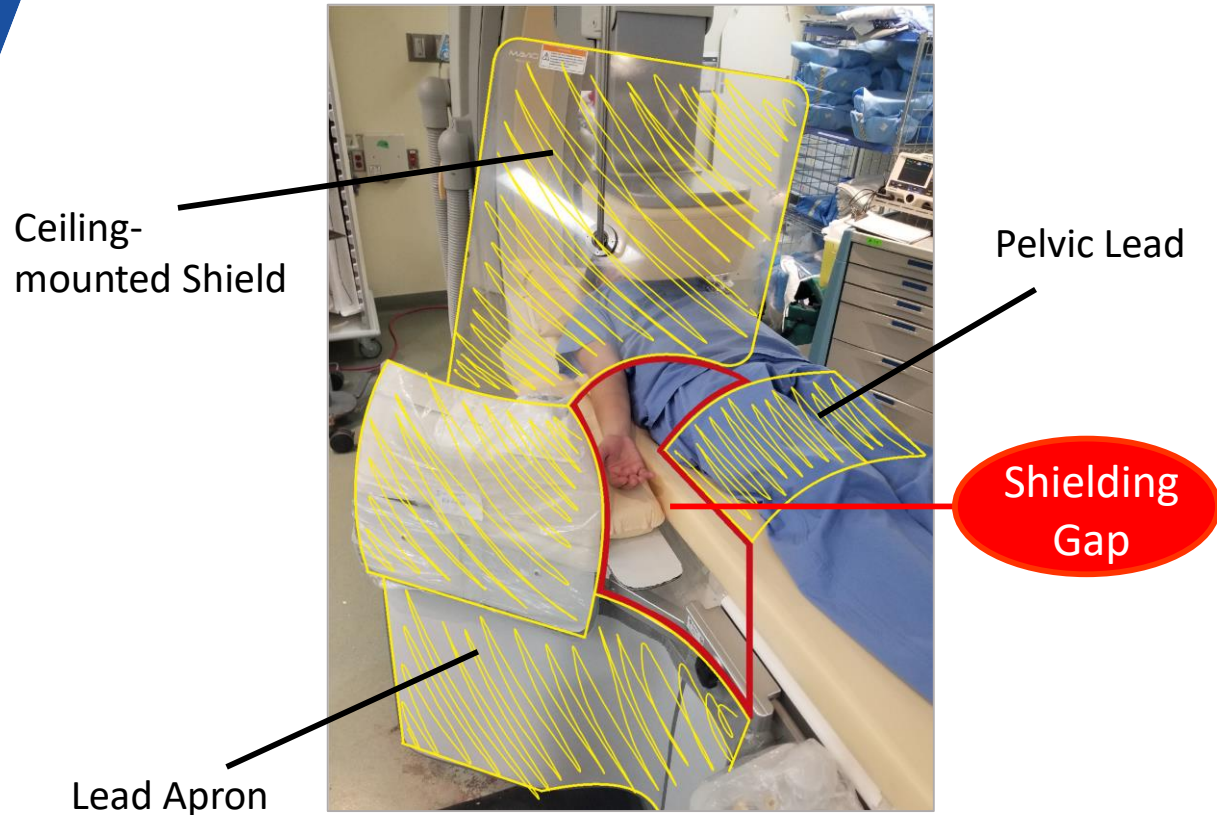
■ Source: Health Canada (2017), Report on Occupational Radiation Exposures in Canada

■ Source: Choudhury, T. et al. (2018), London Health Sciences Center and University of Western Ontario study



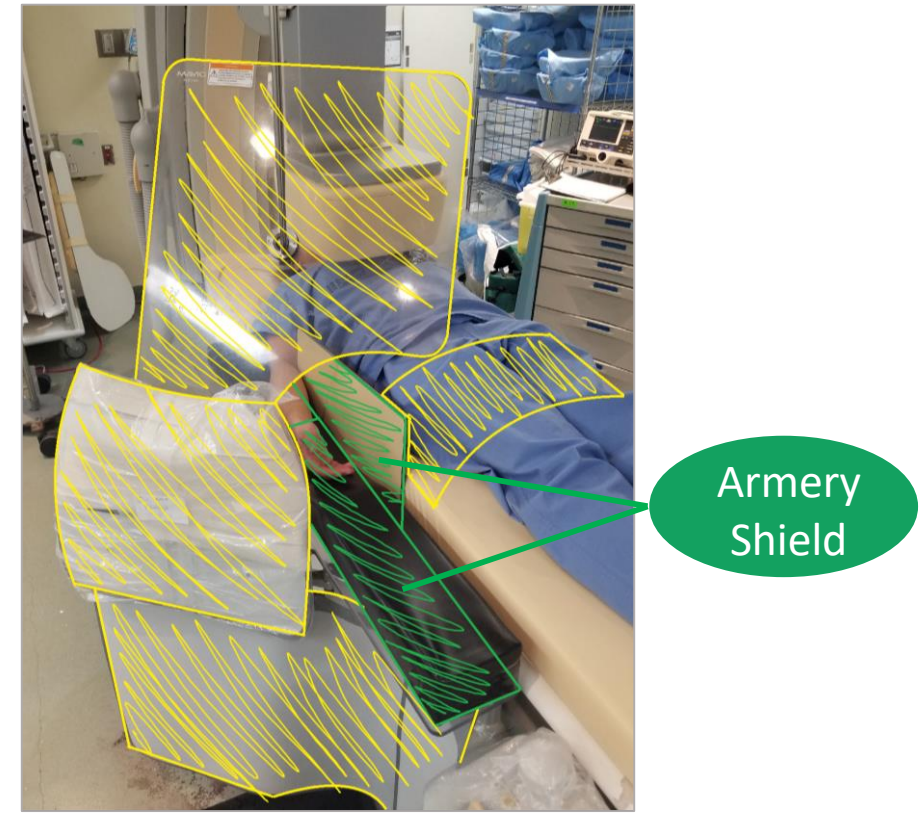
Armery Shield Closing the Radiation Gap

RADATION GAP IN CATH LABS TODAY



Gap responsible for annual exposure equivalent to ingesting 20g of pure natural Uranium

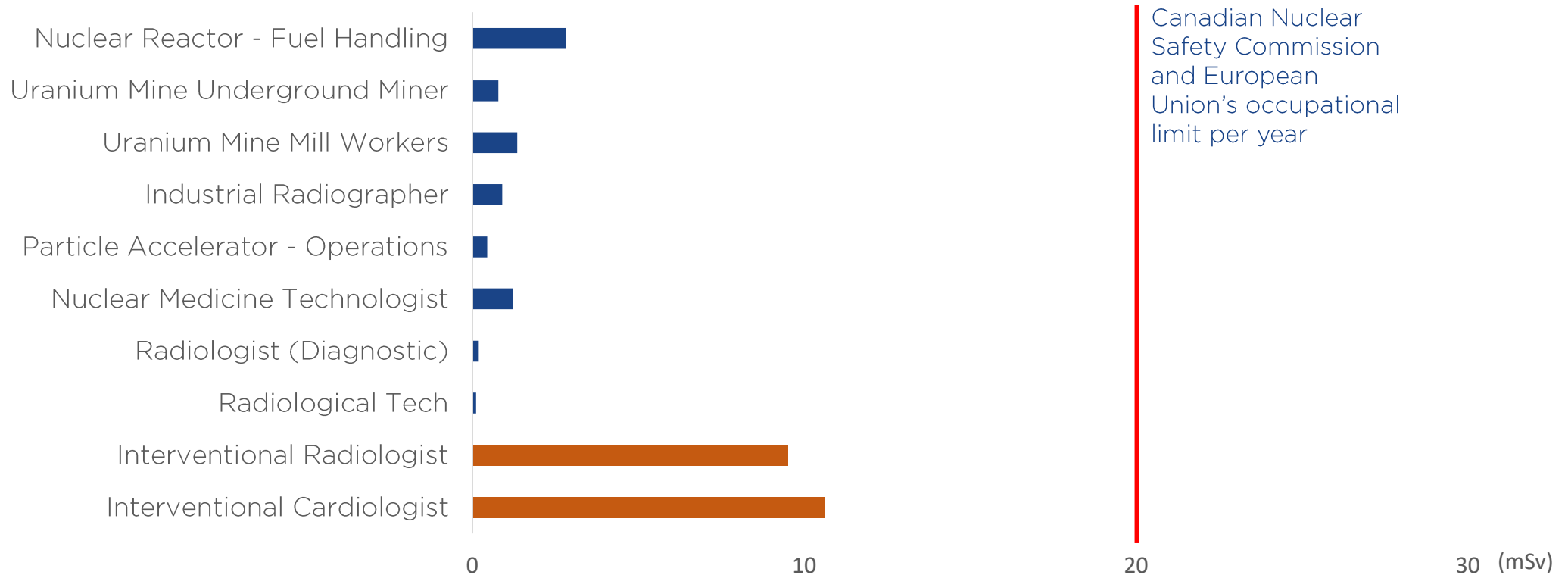
CLOSING THE GAP WITH ARMERY SHIELD



Only technology of its kind with real-world evidence of radiation reduction



Projected Mean Annual Radiation Dose with **Armery Shield**

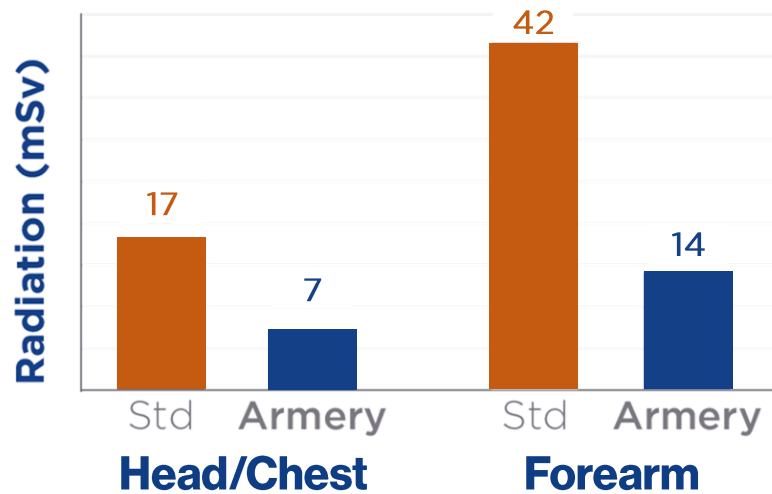
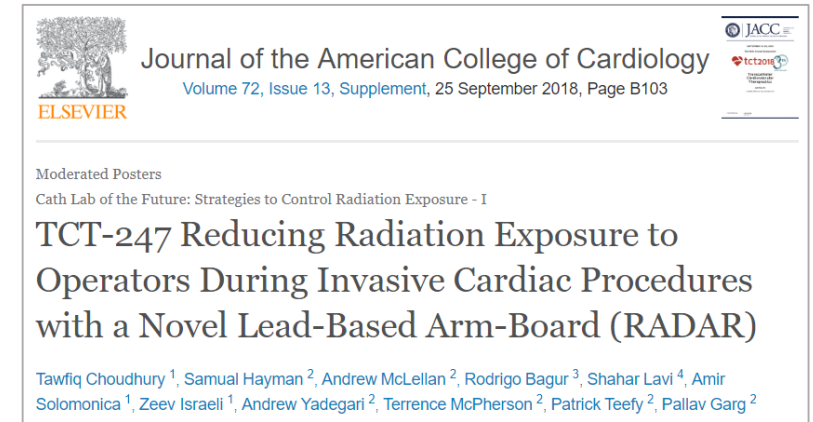


ARMERY SHIELD is the only device of its kind scientifically proven to reduce radiation exposure to within internationally recognized limits for safety



Published Radiation Reduction

- Armery Shield only device of its kind with independent, **real-world** evidence of effectiveness: Choudhury, T. et al. (2018)
- Significant radiation dose reduction to interventionalist head/chest



Head/Chest Level
58% reduction;

17.3 ± 17.2 vs.
7.3 ± 10.3 μSv



Forearm Level
65% reduction;

42.4 ± 48.9 vs.
14.8 ± 19.1 μSv



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Thank You!

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