



OBSOLEScent MEDICAL IMAGING TECHNOLOGY IS UNDERMINING PATIENT SAFETY



25%

One quarter of the CT installed base is **TOO OLD** for the latest dose-saving technologies.¹

3,000

Around 3,000 CT units in Europe are already **TECHNOLOGICALLY OBSOLETE**.²



The majority of these CT units are in **GERMANY, ITALY, POLAND, UK** and **SPAIN**.



2008

2015

- DOES NOT AT ALL MEET GOLDEN RULES
- CLOSE BUT NOT MATCHING GOLDEN RULES
- EQUAL OR BETTER THAN GOLDEN RULES
- DATA NOT AVAILABLE

In **7 YEARS**, the number of countries that do not meet the COCIR Golden rules is **3 TIMES** more.

10



In those countries, more than **10%** of CT machines are now more than **10 YEARS OLD**.

Targeted body areas are exposed to up to **52%** less radiation.³



Technological innovation advances in **DOSE REDUCTION** mean **LESS RADIATION** – with no loss in diagnostic quality.



In **PAEDIATRIC IMAGING**, dose reductions of more than **50%** are possible.⁴



LUNG CANCER:
In high-risk patients, **LOW-DOSE CT** screening can **REDUCE MORTALITY BY 20%**



For more informations, [click here](#).

1. CT Dose Modulation and CT Reiterative Reconstruction Algorithms.
2. This makes them inadequate from a dose optimisation and radiation safety perspective; they should be replaced.
3. Rayo et al., Journal of the American College of Radiology, 2014-07-01, Volume 11, Issue 7, Pages 703-708.
4. Saidleir et al., Iterative reconstruction - a dose saving paradigm in paediatric computed tomography imaging.

