

## LATIN SAFE Manifesto

We are delighted to make the following announcements on behalf of Latin Safe:

1. We are delighted to announce a collaboration agreement between the Latin Safe Initiative and Inter-American College of Radiology (ICR) to promote Patient Radiation Protection Safety. Attached hereto is the copy of the manifestation to be signed by Regional and Local Societies in Latin America by ...( address);
2. The collaboration will help promote local, national, WORLD HEALTH ORGANIZATION AND IAEA recommendations on justification and radiation dose optimization in medical imaging.
3. The collaboration will sustain and augment data collection and establishment of local, national, and Latin American diagnostic reference levels based on clinical indications (DRLs) to understand, improve and surveil practices in Latin America.
4. To reinforce commitment towards improving medical imaging, we draw attention towards the need for promoting radiation safety in medical imaging with engagement of a multi-professional work group:

### Physicians (Referring and Interpreting)

1. Ensure that complete and correct clinical reason for radiation-based imaging tests are always available.
2. Ensure that non-ionizing or lower-dose radiation-based imaging tests cannot provide information in an accurate and timely manner before requesting higher dose imaging tests (such as CT, PET or PET/CT).
3. Counsel self-referring patients when there is no perceived benefit of medical imaging.

### Interpreting physicians

1. Ensure that clinical reasons are available and correct before scanning.
2. Ensure that clinical reasons for imaging are used to optimize acquisition parameters and radiation dose.
3. Avoid one protocol fit-all-clinical-reasons approach.

### Technologists

1. Ensure proper patient centering, positioning, and instructions (breath-hold)
2. Avoid use of adult CT protocols for children
3. Avoid scanning beyond the clinical region of interest.

### Physicists

1. Monitor CT radiation doses – establish target dose levels for local practices.
2. Be aware of local, regional, or international DRLs.
3. Ensure proper use of CT acquisition and reconstruction techniques.

WHEREFORE, in view of the foregoing, plaintiffs prays that may this Manifestation be applied by Medical Societies.

LATINSAFE TEAM WORK GROUP

São Paulo, October 10<sup>th</sup>, 2023.