

Proper ways of using TLDs in Diagnostic Radiology

1 What is TLD Badge



TLD Badge is a radiation dose measuring device. This enables us to know whether we are working within the safe dose limits prescribed by AERB.

3 Wear TLDs below Lead Apron



TLD below apron



TLD above apron

5 Change your TLD card every monitoring period



Change your TLD cards every monitoring period (eg. Quarterly) and return used TLD cards to Laboratory for dose assessment.

If TLD fell/left in X-Ray room, and got accidentally exposed, report immediately to the lab and send it for processing.

Useful Information

Dose limits of Occupational Exposure (AERB Directive)

Effective Dose 20 mSv in a year averaged over a period of 5 years.

Annual equivalent dose in the

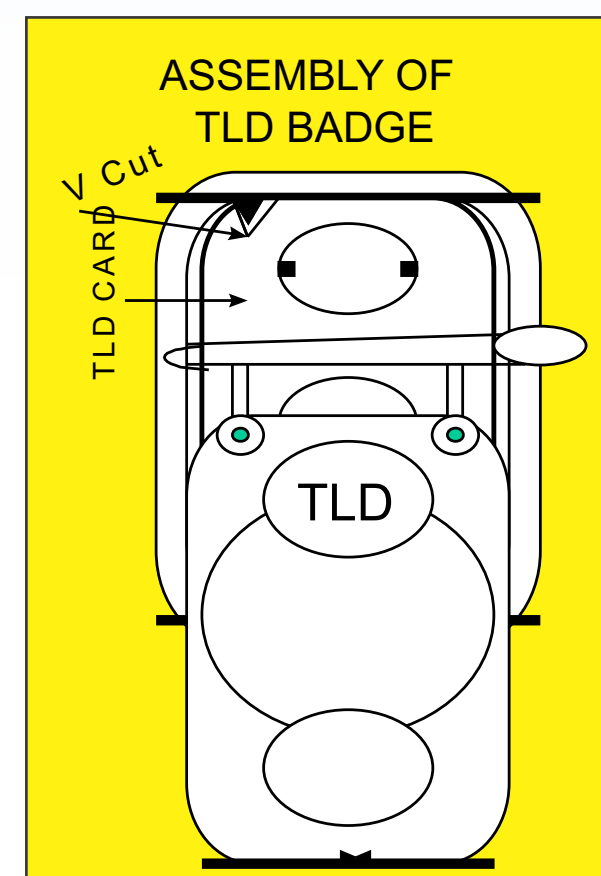
Lens of the eye	150 mSv
Skin	500 mSv
Hands and feet	500 mSv



Radiation Warning Placard to be pasted outside Medical X-ray Installation



2 Use TLD with Cassette



Loading TLD card in the cassette



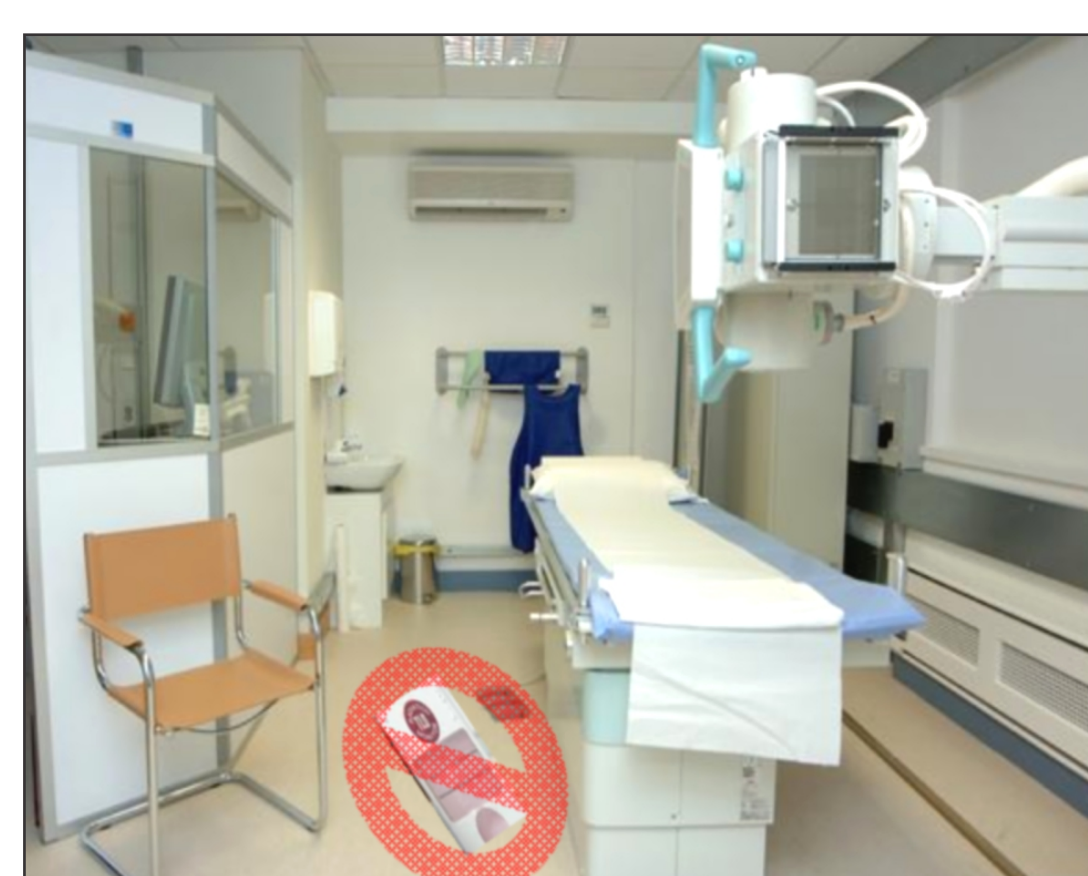
TLD with cassette



TLD without cassette

4 Store TLD- Where ?

Personnel TLD is to be properly stored when not working with radiation



Never store/ leave TLD badges inside X-ray Room/Radiation Area.



- Store control TLD badge in radiation free area all the time.

- Store personnel TLD badge in radiation free area when not in use, along with control TLD badge.(e.g., office room)



Issued by:



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This poster must be displayed at prominent location for due adherence by all radiations workers.