



Joint inspections and cross-border cooperations in Luxembourg with a focus on the medical field

Jean Claude Thiry



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de la Santé

Direction de la Santé - Division de la Radioprotection

Situation



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG

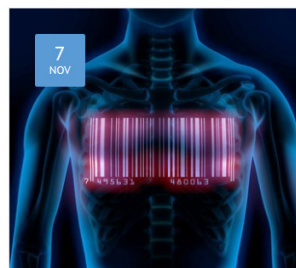
- Luxembourg is a very small country, with limited applications
 - International cooperation is very important
- Close relations to competent authorities of our neighbouring countries, especially Belgium (FANC) and France (ASN)
- Regularly, collaborations as common campaigns, sharing of knowledge and joint inspections take place
- This presentation is a focus on these collaborations, mainly joint inspections that took place in 2016 in the medical field

HERCA



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG

- Luxembourg is strongly involved in the HERCA Medical Applications work group
- In 2016, HERCA launched a European inspection campaign to assess patient radiation protection in diagnostic radiology
 - a number of radiology departments and practices across Europe received a special round of inspections
 - the focus of these inspections was on compliance with the justification principle using a common inspection template



Inspection campaign in radiology

Starting on 8 November 2016, national radiation protection authorities from 18 European countries will conduct a special series of inspections in radiology departments and practices. Th...

3

Inspection Week



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG

- The Luxembourgish DRP decided together with ASN and FANC to make these inspections jointly
- Altogether 5 inspections took place in this context

Date	Country	Location	Inspectors	Observers
8.11.2016	LU	Centre hospitalier de Luxembourg	A. Schreiner A. Bouëtté	B. Le Dirach (ASN)
9.11.2016	LU	Hôpital R. Schuman	A. Schreiner A. Bouëtté	A. Isambert (ASN)
10.11.2016	LU	CHdN Ettelbruck	A. Schreiner A. Bouëtté	FANC
16.11.2016	FR	SCM SDF Scanner (Cabinet de radiologie)	J. Waltisperger B. Le Dirach	A. Bouëtté (DRP)
17.11.2016	FR	Hôpital Bel-Air Thionville	A. Isambert B. Le Dirach	A. Schreiner (DRP)

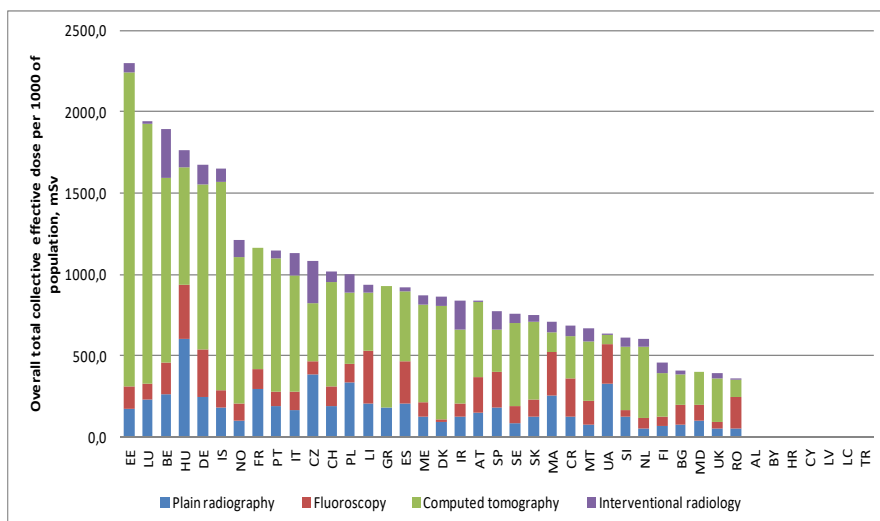
4

Medical exposure in Luxembourg



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG

➤ Overall total collective effective dose (per 1000 of population, mSv)



Outcome



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG

- During inspection the entire operational part of the justification chain was checked
 - from prescription and proceeding to the report
- Evaluations have been sent to HERCA for common analysis
- Mainly regulatory differences have been observed in the different countries
 - In FR and BE, the radiologist decides ultimately to carry out the act on the basis of a request for examination made by the physician
 - In LU, the process is more formal. The examination takes place via prescription, but examinations are rarely refused
- Hospitals acknowledged the issues and addressed them in an action plan. Also, the new law will introduce some procedural changes.

Future joint inspections



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG

- In the medical field, bilateral exchanges are rare, mainly concerning patient radiation protection
- Exchange with French speaking countries are preferred
- Further joint inspections should be organised for other medical applications such as:
 - nuclear medicine,
 - radiotherapy,
 - interventional imaging

7

Other joint inspections



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG

- Inspections in France in the domain of radiotherapy
 - Luxembourgish inspectors participated as observers
- Inspections of the FANC in the domain of transportation licensing
 - Luxembourgish inspectors participated as observers of the transport inspection and took the lead in the handling inspection

8

Other collaborations



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG



9