



Schweizerische Gesellschaft für Strahlenbiologie und Medizinische Physik

Société Suisse de Radiobiologie et de Physique Médicale

Società Svizzera di Radiobiologia e di Fisica Medica

Swiss Society of Radiobiology and Medical Physics

Member of the European Federation of Organisations for Medical Physics (EFOMP) and the International Organization for Medical Physics (IOMP)

DESCRIPTION OF SSRMP WORKING GROUP

Working group name Eye lens dosimetry group

Chair person Marta Sans Merce

Aims and roadmap

In 2018, the new Ordinance for Radiation Protection introduced the new eye lens dose limit of 20mSv per year. In 2019, the radiation protection experts should have identified the categories of staff requiring an eye lens dosimeter. Moreover, the radiation protection expert should determine the attenuation factor introduced by the radiation protection means and communicate this value to the dosimetry service and the FOPH. The FOPH gathers in the dose registry the actual eye lens dose which will depend on the way it has been measured (calibration and position of dosimeter) as well as on the attenuation of the radiation protection means used by the worker. A working group has been created to address the following topics:

1. determine the categories of staff that require routine eye lens monitoring (including determination of threshold for double dosimetry obligation)
2. answer the question about which eye lens dose should be inscribed in the dose registry (with information from correction factors due to the RP means used and the position and calibration of the dosimeter).
3. provide an official SSRMP recommendation with the answers of points 1 and 2

The work will be centered on staff working in the medical field using fluoroscopy systems.

Anticipated results

- Report
- Recommendation
- Other:

Science relevance Scientific contribution from and to the fields of radiation protection for topics 1 and 2.

Professional relevance New recommendations on which categories of staff need to wear an eye lens dosimeter and the determination of the eye lens dose that should be inscribed in the dose registry.

Educational relevance

Start date December 2019

End date before December 2021