

WEBINAR of the Federal Commission on Radiation Protection (KSR) *Radiation Protection in Medicine*

Friday, 29th January 2021

100% WEBINAR, free of charge

This seminar entitles to the following credits:

SGR-SSR	6 points
SGNM-SSMN	6 points
SGSMP – SSRPM	6 points

Registration and Contact:

The participation to the WEBINAR is free of charge.

For organizational reasons, registration is compulsory (**deadline : Friday, 22 January 2021**). Please send an e-mail with your details (first and last name, title, name of the institution) to the following address: **ksr@bag.admin.ch**

Contact Person: Daniel Storch (+41 58 464 93 98)



Program

09:00	Opening François Bochud, President KSR and Sabine Schmitt Kobbe, President Subkommission Medicine
Technical developments	
Radiology:	
09:05	Hybrid operation rooms – which radiation protection strategy? Josefin Ammon, Klinikum Nürnberg, Germany
09:25	New developments in occupational exposure monitoring Raphael Elmiger, FOPH, Berne CH
09:40	Optimization of dose exposure in CT: Influence on diagnostic image quality? Paul Jahnke, Charité Berlin, Germany
Nuclear Medicine:	
10:00	Practical radioprotection issues in nuclear medicine at the era of digital PET/SPECT cameras John Prior, CHUV, Lausanne, CH
Radiation Oncology:	
10:20	Radiation therapy: Image-guidance and tracking methods with and without ionising radiation Helena Garcia Schueler, University Hospital Zurich, CH
10:40	Coffee
Radiation exposure and risk assessment	
11:00	Exposure of the Swiss population due to diagnostic examinations in 2018: comparison with the international situation Francis Verdun, University of Lausanne, CH
11:20	Cancer risks after CT radiation exposure – results from the European epidemiological study (EPI-CT) Ausrele Kesminiene, International Agency for Research on Cancer, Lyon, France
Justification	
11:50	Clinical justification of the examinations with ionizing radiation – how do we behave in the daily routine? Peter Vock, Inselspital, Berne, CH

12:15	Lunch
Clinical audits: current point of view from the stakeholders	
13:15	Federal Office of Public Health Carine Galli-Marxer, FOPH, Berne, CH
13:35	Auditors Adrian Steiner, Spital Oberengadin, CH
13:55	Institutes Sebastian Schindera, Kantonsspital Aarau, CH
Patient dose registry and management	
14:15	Revised diagnostic reference levels in CT imaging: Progress in radiation protection? Christoph Aberle, University Hospital Basel, CH
14:35	Software for dose registry – practical applications Thiago V.M. Lima, Kantonsspital Luzern, CH
14:55	Dose management of image guidance procedures in radiation therapy Raphael Moeckli, CHUV, Lausanne, CH
Practical radiation protection in hospitals	
15:15	Radiation protection in clinical practice: small efforts and huge effects! Christine Chevallier, CHUV, Lausanne, CH
15:35	Medical radiological events (StSV art 49-50): first outcomes from a multidisciplinary group analysis of the registry Margherita Casiraghi, EOC, Bellinzona, CH
15:55	Closing remarks François Bochud, Chair of the Federal Commission on Radiological Protection
16:15	End

With the upcoming seminar the Federal Commission on Radiation Protection would like to focus on **protection in medicine**. After highlighting new techniques in radiology, nuclear medicine and radiotherapy, we will discuss radiation exposure in theory and practice as well as risk assessment for the different stakeholders. Furthermore, two important topics, such as clinical justification and clinical audits, recently introduced into the federal ordinance, will be explained. Finally, we will illustrate the most efficient ways to go for dose management and demonstrate an example of registry for radiological events.