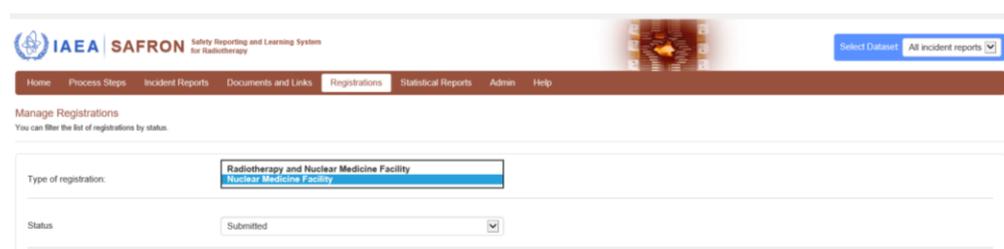


How to register for SAFRON Radionuclide Therapy Incident Learning

SAFRON now allows nuclear medicine facilities as well as radiotherapy facilities to collect data on event using the web-based portal. Contributors using SAFRON will be able to collect and analyse their reports to track, trend and benchmark activities within their centres and with other SAFRON participants in radiotherapy and radionuclide therapy. Radionuclide therapy varies around the world, with the therapy being administered as an alternative therapy in radiotherapy and as a therapy administered through nuclear medicine department. To provide a comprehensive approach, there are now 2 different registration tracks, one for those where radionuclide therapy is part of the radiotherapy department and one where radionuclide therapy is the responsibility of nuclear medicine departments.

You will need to register with [Nucleus](#) to access [SAFRON](#).

To register, you can use either track, as illustrated in the screenshot below.



The registration has a series of questions to identify the type of procedures you are doing and the safety systems that are in place in the facility. This information helps to determine areas where improvements need to be made.

The next series of questions are concerning available staffing in your clinic. An example is provided in the image below.

Number of staff directly involved in radionuclide therapy and microspheres	
Nuclear Medicine Physicians	* 0
Radiation Oncologists	* 0
Interventional Radiologists	* 0
Qualified Practitioners	* 0
Medical Physicists	* 0
Radio pharmacists	* 0
Nuclear Medicine Technologists	* 0
Nurses	* 0
Staff doing dosimetry, i.e. treatment planning, etc*	0
Radiation Protection Officer and staff	* 0

A series of questions on radiation safety equipment that is available to perform surveys

Number and types of instruments available for radionuclide therapy	
Activity Meter (Dose Calibrator)	* 0
Survey meter	* 0
Ionization Chamber	* 0
Thyroid Uptake Probe	* 0
Well counter	* 0
Area monitors	* 0
Intra-treatment monitoring equipment*	0 x

Registration instructions: SAFRON Radionuclide Therapy Incident Learning

And a list of current safety infrastructure in place at the clinic.

Safety infrastructure in place at the clinic (Select all that apply to your clinic)	<input checked="" type="checkbox"/> There are documented policies and procedures for most of the clinical processes <input checked="" type="checkbox"/> There are written policies and procedures for equipment quality control (including software) <input checked="" type="checkbox"/> There is appropriate education and training for staff <input checked="" type="checkbox"/> There is a committee with responsibility for on-going quality and safety improvement <input checked="" type="checkbox"/> There are multi-disciplinary groups available in appropriateness of therapy and patient selection and patient follow up <input checked="" type="checkbox"/> There is a management system for traceability of the patient <input checked="" type="checkbox"/> There are qualified personnel including medical physicist to perform dose calculation for internal radionuclides
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And what safety barriers are in place to prevent an event from reaching the patient.

Safety barriers in place at the clinic (Select all that apply to your clinic)	<input checked="" type="checkbox"/> Pre-therapy imaging <input checked="" type="checkbox"/> Patient specific dosimetry and quantitative bio distribution studies <input checked="" type="checkbox"/> Independent confirmation of activity prior to administration (i.e. a second in house check of activity) <input checked="" type="checkbox"/> Prescription for dose or activity by a qualified physician following accepted guidelines <input checked="" type="checkbox"/> Qualified personnel available 24 hours for emergency care <input checked="" type="checkbox"/> Paediatric patient instructions for family and caregivers <input checked="" type="checkbox"/> Time out verification of correct patient, activity and radionuclide prior to treatment <input checked="" type="checkbox"/> Check for medical contraindication for undergoing the therapy <input checked="" type="checkbox"/> Operational check and inspection of all instrumentation and equipment used in the administration <input checked="" type="checkbox"/> Verification of pre-treatment preparation (specific medication or suspension of existing medication that could interfere with the treatment) have been addressed <input checked="" type="checkbox"/> Procedures used for intra-treatment monitoring <input checked="" type="checkbox"/> Post therapy image verification <input checked="" type="checkbox"/> Post therapy radiation surveys <input checked="" type="checkbox"/> Physician peer review <input checked="" type="checkbox"/> Post treatment evaluations (evaluation of clinical and process) <input checked="" type="checkbox"/> Regular equipment QA and QC <input checked="" type="checkbox"/> Regular internal audit <input checked="" type="checkbox"/> Regular external audit <input checked="" type="checkbox"/> Spill kit and decontamination procedures
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When registering for SAFRON Nuclear Medicine, some of this information may be used to improve the current situation in the clinic.

Once registered and approved by IAEA, the designated contributor from the clinic can enter events into the system.

For those already registered for the radiotherapy SAFRON and would like to also collect information on events in radionuclide therapy, you will need to go into my clinic registration.

IAEA SAFRON Safety Reporting and Learning System for Radiotherapy

Select Dataset: All incident reports

Home Process Steps Incident Reports Documents and Links Registrations Statistical Reports Admin Help

Use: My Clinic Registration

Actions: Browse Safety Info by Process Step, Search Reports, Search Documents & Links, See Statistical Reports, View Instructions, Submit Report, Download Reports

Safer use of radiation in radiotherapy through learning and reporting
SAFRON aims to enable global shared learning from safety related events and safety analysis in order to improve the safe planning and delivery of radiotherapy.

Featured Incident Reports

HDR vaginal cylinder brachytherapy treatment delivered to incorrect location
Patient received first of three intended deliveries of HDR vaginal cylinder brachytherapy on 6/19/2014. After the vaginal cylinder was inserted, a planar digital x-ray image of the placement was...

Implant of the wrong 137Cs source
A patient was prescribed brachytherapy of the cervix, using two 137Cs sources. The prescription required source strengths of 20 and 25 mg Ra-eq for 26 h. After the treatment was completed and...

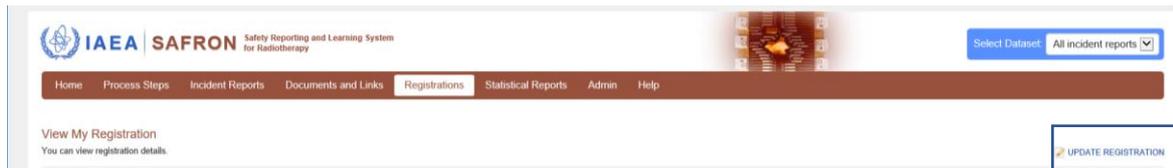
Featured Documents & Links

Report No. 167- Guidelines by the AAPM and GEC-ESTRO on the use of innovative brachytherapy devices
Although a multicenter, Phase III, prospective, randomized trial is the gold standard for evidence-based medicine, it is rarely used in the evaluation of innovative devices because of many practical...

ICRP Publication 97, Prevention of High-dose-rate Brachytherapy
Abstract - High-dose-rate (HDR) brachytherapy is a rapidly growing technique that has been

Registration instructions: SAFRON Radionuclide Therapy Incident Learning

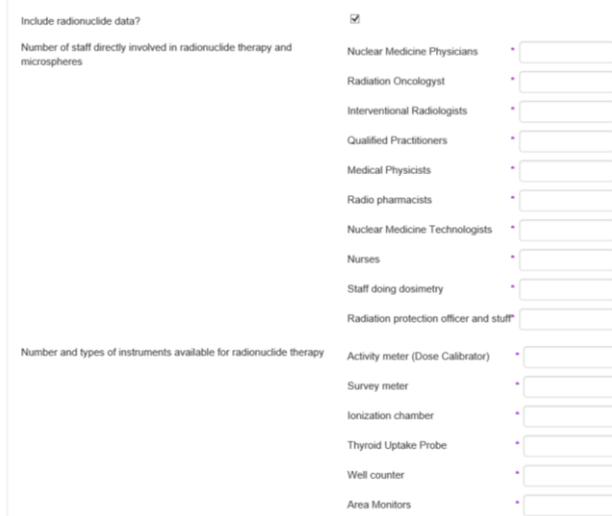
On the registration screen you will need to edit please contact the administrator to access your registration to capture radionuclide therapy events



At the bottom of the edit registration page you will need to access the radionuclide therapy box.



You can add additional information specific to radionuclide therapy.



Include radionuclide data?	<input checked="" type="checkbox"/>
Number of staff directly involved in radionuclide therapy and microspheres	
Nuclear Medicine Physicians	<input type="text"/>
Radiation Oncologist	<input type="text"/>
Interventional Radiologists	<input type="text"/>
Qualified Practitioners	<input type="text"/>
Medical Physicists	<input type="text"/>
Radio pharmacists	<input type="text"/>
Nuclear Medicine Technologists	<input type="text"/>
Nurses	<input type="text"/>
Staff doing dosimetry	<input type="text"/>
Radiation protection officer and staff	<input type="text"/>
Number and types of instruments available for radionuclide therapy	
Activity meter (Dose Calibrator)	<input type="text"/>
Survey meter	<input type="text"/>
Ionization chamber	<input type="text"/>
Thyroid Uptake Probe	<input type="text"/>
Well counter	<input type="text"/>
Area Monitors	<input type="text"/>

If you have any questions, please contact SAFRON.Contact-Point@iaea.org