CHECKLIST 12. GENERAL RADIONUCLIDE THERAPY

No.	Component	LC	Example of result / type of evidence
12.1	Are written standard operating procedures (SOPs) based on national/international guidelines available for any type of treatment?		Check SOPs for radionuclide therapy
12.2	Has the decision to treat been taken after multidisciplinary evaluation of the patient's condition and fully approved by the nuclear medicine (NM) physician in charge of treatment?		Check patient records
12.3	Are SOPs available for patient preparation regarding all types of treatment?		Check instructions or SOPs for patient preparation
12.4	Are contraindications (e.g. allergies) and other conditions (medical, psychological, social) potentially interfering with the treatment checked for?		Check SOPs, instructions and patient records
12.5	Does every patient receive appropriate information about the treatment, including indication, other treatment options, expected/possible early and late side effects, preparation, detailed therapy procedure, hospitalization and isolation, if applicable, and aftercare?		Check procedures and information provided to patients before and after therapy
12.6	For paediatric patients, were relatives/caregivers clearly informed about radioprotection measures to be taken and risks inherent with attending the child during therapy?		Observation on-site / check therapeutic procedures / check written instructions
12.7	Is an SOP in place to rule out pregnancy and to deal with lactation before therapy?		Check the SOP
12.8	Does patient information include instructions on necessity and duration of ongoing contraception after therapy?		Check written instructions to patients

CHECKLIST 12. GENERAL RADIONUCLIDE THERAPY (cont.)

No.	Component	LC	Example of result / type of evidence
12.9	Are procedures in place to describe the process of obtaining informed consent before therapy?		Check written procedures of obtaining informed consent
12.10	Is there a written SOP describing the procurement, preparation and quality control, if applicable, of therapeutic radiopharmaceuticals/radionuclides?		Check written SOPs
12.11	Is the therapeutic activity prescribed taking into account the target and non-target dose estimated by a medical physicist, NM physician or equivalent specialist, in accordance with national/international guidelines?		Check SOPs for activity assignments
12.12	Is the administered activity individually measured and checked in an activity meter that has been specifically calibrated and quality checked for the given radionuclide?		Check records
12.13	In the case of in-patient therapy, are designated facilities (with appropriate surface, shielding, sanitation, ventilation, etc.) available?		Observation on-site
12.14	In the case of in-patient therapy, are SOPs and appropriate radioprotection measures (concerning caregivers and public, contamination, transport, waste, etc.) in place?		Check SOPs and written documents / observation on-site
12.15	In the case of in-patient therapy, is 24 h/d nursing care provided?		Check SOPs and written documents / observation on-site
12.16	Have the nursing staff received appropriate training in radiation science and radiation protection to take care of patients during treatment with radiopharmaceuticals?		Check corresponding SOPs and nurse personnel files

CHECKLIST 12. GENERAL RADIONUCLIDE THERAPY (cont.)

No.	Component	LC	Example of result / type of evidence
12.17	In the case of in-patient therapy, are qualified staff accessible for managing medical emergency situations 24 h/d?		Observation on-site / check SOPs and the organizational chart
12.18	In the case of in-patient therapy, is a qualified person available outside normal working hours to handle urgent radioprotection issues?		Observation on-site / check SOPs and the organizational chart
12.19	Do SOPs provide clear instructions for discharging patients in accordance with national regulations?		Check SOPs
12.20	Is patient activity / emitted dose rate measured and recorded in the patient file before discharge from the nuclear medicine service?		Check the written instruction / check patient records
12.21	Are written instructions available for the patient and family/caregivers after discharge?		Check written instructions / check patient records
12.22	Are procedures in place to ensure that these instructions have been understood by the patient/family/caregivers?		Check the SOP
12.23	Are there specific SOPs dealing with misadministration of therapeutic radiopharmaceuticals?		Check the SOP
12.24	Is a comprehensive treatment report issued and made available to all involved physicians and, if applicable, to patients?		Check an example of a report
12.25	Is multidisciplinary clinical follow-up of patients provided?		Check a patient record

Note: LC: level of conformance (range 0–4). 0: absent or inappropriate; 1: planned or approximate; 2: partial conformance or partial implementation; 3: near full conformance or near full implementation; 4: full conformance or full implementation.