

**1. TITLE OF THE PROFESSION**

5 0914 03 08 Radiográfiai szakasszisztens (Nukleáris medicina)

**2. TRANSLATED TITLE OF THE PROFESSION**Radiography assistant (Nuclear medicine)  
(THIS TRANSLATION HAS NO LEGAL STATUS)**3. PROFILE OF SKILLS AND COMPETENCES**

- work as part of a team under the supervision of a specialist (in nuclear medicine) or a qualified diagnostic imaging specialist;
- carry out hot laboratory work independently, including the elution of the generator and the marking of inactive kits, observing radiation protection regulations for the use of open radioactive isotopes and asepsis/antiseptis rules;
- use the dose calibrator in a safe manner to measure the amount of radioisotopes to be administered to patients;
- understand the different special signals, know in vitro and in vivo cell signalling, diagnostic and therapeutic isotopes/radiopharmaceuticals, positron emission tomography (PET) radiopharmaceuticals and the principle of the splitter and injector;
- use conventional gamma cameras, single-photon emission computed tomography (SPECT) and hybrid imaging equipment, perform isotope-diagnostic examinations, participate in therapeutic interventions under medical supervision;
- evaluate and reconstruct the tests carried out, prepare them for medical diagnosis;
- organise his/her daily professional activity, discharge patient management and information duties;
- continually develop his/her vocational knowledge.

**4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE**

3323 Operator of medical imaging diagnostic and therapeutic equipment

**(\*) Explanatory notes:**

<sup>1</sup> In the original language. | <sup>2</sup> The translation of the designation is provided for information purposes only. | <sup>3</sup> Fill it out if necessary. The certificate supplement provides additional information on the qualification but have no legal value in itself. The format of the description is in conformity with Decision (EU) 2018/646 of the European Parliament and of the Council of 18 April 2018 on a common framework for the provision of better services for skills and qualifications (Europass) and repealing Decision No 2241/2004/EC.

©European Union, 2002-2020 | europass.cedefop.europa.eu ©

## 5. OFFICIAL BASIS OF THE CERTIFICATE

<p><b>Name and status of the authority issuing the certificate</b></p>	<p><b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b></p> <p>Ministry for Innovation and Technology</p>																
<p><b>Level of the certificate (national or international)</b></p> <p><b>NQF level:</b> 5</p> <p><b>EQF level:</b> 5</p> <p><b>Digital Competence Framework level:</b> 6</p>	<p><b>Grading scale / Pass requirements</b></p> <p>Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail</p> <p>The prerequisite of being eligible to sit for a sectoral basic examination is the successful completion of all the required training courses, or the recognised prior learning should incorporate the requirements of the sectoral basic examination. The prerequisite of being eligible to sit for a vocational examination is the successful completion of all the training courses and the uninterrupted professional practice required. In case the student is required to pass a sectoral basic examination, latter shall be recognised with the following weighting: The result of the basic sectoral examination will be computed into that of the vocational examination with the following weighting: Sectoral basic examination: 10%, Vocational examination: 90%</p>																
<p><b>Certificate number:</b> CXK A</p> <p>Serial number: 123456</p> <p><b>Certificate issue date:</b> 2023.12.07</p>	<p><b>Designation of the theoretical and practical subjects of the sectoral basic examination and the vocational examination and their grades according to a five-grade scale</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2"><b>Sectoral basic examination :</b> The examination was passed based on recognised prior learning</td> </tr> <tr> <td colspan="2"><b>Vocational examination</b></td> </tr> <tr> <td colspan="2"><b>central interactive</b></td> </tr> <tr> <td>Clinical nuclear medicine diagnostics and therapy</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2"><b>project exercise</b></td> </tr> <tr> <td>Clinical nuclear medicine diagnostic and therapeutic procedures, radiation protection tasks</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Result of the vocational examination in percentage</td> <td style="text-align: center;">100%</td> </tr> <tr> <td>Result of the vocational examination with grades</td> <td style="text-align: center;">5</td> </tr> </table>	<b>Sectoral basic examination :</b> The examination was passed based on recognised prior learning		<b>Vocational examination</b>		<b>central interactive</b>		Clinical nuclear medicine diagnostics and therapy	5	<b>project exercise</b>		Clinical nuclear medicine diagnostic and therapeutic procedures, radiation protection tasks	5	Result of the vocational examination in percentage	100%	Result of the vocational examination with grades	5
<b>Sectoral basic examination :</b> The examination was passed based on recognised prior learning																	
<b>Vocational examination</b>																	
<b>central interactive</b>																	
Clinical nuclear medicine diagnostics and therapy	5																
<b>project exercise</b>																	
Clinical nuclear medicine diagnostic and therapeutic procedures, radiation protection tasks	5																
Result of the vocational examination in percentage	100%																
Result of the vocational examination with grades	5																
<p><b>Access to next level of education/training</b></p> <p>To higher education</p>	<p><b>International agreements</b></p>																
<p><b>Other information concerning the vocational training process</b></p>																	
<p><b>Legal basis</b></p> <p>Government Decree 12/2020 (II. 7.) on the Implementation of the Vocational Education and Training Act, Government Decree 319/2020 (VII. 1.) on the amendment of Government Decree 12/2020 (II. 7.) on the Implementation of the Vocational Education and Training Act, Act LXXX of 2019 on Vocational Education and Training.</p>																	

## 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE SUPPLEMENT

Description of the sectoral basic training and the theoretical and practical vocational training	Distribution of the total number of hours of the programme
Total duration of the education/training	3405 hours

### Entry requirements:

- For a 6-year vocational training programme, elementary school qualification is required; for a 3-year vocational training programme, secondary school-leaving certificate is needed
- Occupational aptitude test is required
- Career aptitude test is necessary

### Further information:

VOCATIONAL PRACTICAL SUBJECT	HOURS
Targeted medication	12 hour
Complex clinical simulation practice	12 hour
Vital signs and injection clinical practices	12 hour
Cell biology	12 hour
General nursing and care	12 hour
Basic pharmacology knowledge	12 hour
General laboratory knowledge	12 hour
Basic rehabilitation knowledge and physiotherapy	12 hour
Internal medicine and care	12 hour
Surgery and care	12 hour
Knowledge of clinical diseases and their treatment	12 hour
Clinical practice	12 hour
X-ray imaging	12 hour
Radiation protection – dosimetry	12 hour
Breast diagnostics	12 hour
Ultrasound diagnostics	12 hour
Special radiation protection in relation to open radioactive isotopes	12 hour
Radiopharmacology	12 hour
Instrumentation	12 hour
Application of clinical nuclear medicine diagnostic and therapeutic procedures	12 hour
VOCATIONAL THEORETICAL SUBJECT	HOURS
Vocational knowledge	12 hour
Vocational foreign language knowledge	12 hour
Basics of medical ethics and patient rights	12 hour
Basics of communication	12 hour
Anatomy of the human body	12 hour
Basics of first aid	12 hour
Work safety, patient safety	12 hour
Basic nursing and care	12 hour
Targeted medication	12 hour
Basics of professional chemistry and biochemistry	12 hour
Basics of professional physics and biophysics	12 hour
Health informatics	12 hour
Medical terminology	12 hour
Basics of health law and ethics	12 hour
Cell biology	12 hour
The human body and its functioning	12 hour
Basic hygiene measures	12 hour
General nursing and care	12 hour
Basic pharmacology knowledge	12 hour
Communication	12 hour
General laboratory knowledge	12 hour
Basic rehabilitation knowledge and physiotherapy	12 hour
Basics of sociology	12 hour

Basics of psychology	12 hour
Public health, health promotion	12 hour
Basic pedagogical and patient education knowledge	12 hour
Internal medicine and care	12 hour
Surgery and care	12 hour
Knowledge of clinical diseases and their treatment	12 hour
Obstetrical and gynaecological clinical practice	12 hour
Neurological clinical practice	12 hour
Psychiatric clinical practice	12 hour
Geriatric clinical practice	12 hour
X-ray imaging	12 hour
Radiation protection – dosimetry	12 hour
Breast diagnostics	12 hour
Ultrasound diagnostics	12 hour
CT and MRI sectional anatomy	12 hour
Special radiation protection in relation to open radioactive isotopes	12 hour
Radiopharmacology	12 hour
Instrumentation	12 hour
Application of clinical nuclear medicine diagnostic and therapeutic procedures	12 hour
Continuous field practice	160 hour
Altogether	904 hour

Link to the Training and Outcome Requirements and the Programme Plans: <https://ikk.hu>

The present diploma supplement was elaborated in compliance with Government Decree 12/2020 (II. 7.) on the implementation of the Act on Vocational Education and Training.

**National Reference Point: National Office of Vocational Education and Training and Adult Learning: <https://nrk.nive.hu>**

Head of Examination Organiser:  
Issue date: 2023.12.07

**SEAL**