Deliverables per subspecialisme

Curriculum 01-01-2021 version 1.0

# RT

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| **Nr.** | **Deliverable** | **Voltooid in Blok/ vrijstelling** | **Horend bij project/stage** |
| III.2.1.2 | Write a recommendation for development/adjustment of a medical device or procedure that is in clinical use. |  |  |
| III.2.2.2.1 | Make and analyse 20 treatment plans, equally distributed over all common target areas |  |  |
| III.2.2.2.2 | Analyse plans for potential pitfalls in delivery, such as overmodulation, collisions and anatomical changes |  |  |
| III.2.2.4.1 | Make five brachytherapy treatment plans |  |  |
| III.2.2.4.2 | Be present during the preparation and treatment for three patients, including presence at the operating room, to experience the complexity and the teamwork |  |  |
| III.2.2.4.3 | Be present at a source replacement by the company, perform a measurement of the source activity and import this activity in the TPS |  |  |
| III.3.1.1 | Participate in a quality control program for a medical device or clinical procedure |  |  |
| III.3.1.2 | Analyse a recent incident in the department |  |  |
| III.3.1.3 | Perform a prospective or retrospective risk analysis for existing or new equipment or treatment technique |  |  |
| III.3.2.1 | Participate in the incident management commission. |  |  |
| III.3.2.2 | Perform acceptance testing and commissioning of a treatment unit or treatment planning system |  |  |
| III.4.1.1 | Complete course ‘Stralingsbeschermingsdeskundige op het niveau van Coördinerend Deskundige’ |  |  |
| III.4.1.2 | At least one of the following items:   * Perform a radiation survey of an area using appropriate dose-rate equipment, * Study or perform practical design calculations for a room in which ionizing radiation will be used, * Plan and practice contingency measures, such as for a lost radiation source or spill, * Discuss decontamination procedures after a spill of liquid radionuclide with practitioners or patients, * Join the local Radiation Protection Commission of your department or institute, or   Join the local medical ethics committee as an advisor on the use of ionizing radiation in human research. |  |  |
| III.4.2.1 | Participate in an external dosimetry audit |  |  |
| IV.1 | Publish paper in peer-reviewed journal as first author or present an oral presentation at in international conference with peer-reviewed abstract submission |  |  |

# RNG

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| **Nr.** | **Deliverable** | **Datum voltooid/ vrijstelling** | **Horend bij project/stage** |
| III.2.1.1 | Perform an acceptance test/commissioning/calibration of a medical device. |  |  |
| III.2.1.2 | Write a recommendation for development/adjustment of a medical device or procedure that is in clinical use. |  |  |
| III.3.1.1 | Participate in a quality control program for a medical device or clinical procedure |  |  |
| III.3.1.2 | Analyse a recent incident in the department |  |  |
| III.3.1.3 | Perform a prospective or retrospective risk analysis for existing or new equipment or treatment technique |  |  |
| III.4.1.1 | Complete course ‘Stralingsbeschermingsdeskundige op het niveau van Coördinerend Deskundige’ |  |  |
| III.4.1.2 | At least one of the following items:   * Perform a radiation survey of an area using appropriate dose-rate equipment, * Study or perform practical design calculations for a room in which ionizing radiation will be used, * Plan and practice contingency measures, such as for a lost radiation source or spill, * Discuss decontamination procedures after a spill of liquid radionuclide with practitioners or patients, * Join the local Radiation Protection Commission of your department or institute, or   Join the local medical ethics committee as an advisor on the use of ionizing radiation in human research. |  |  |
| III.6.3.1 | Visit the investment Advisory board of the hospital (if present) |  |  |
| IV.1 | Publish paper in peer-reviewed journal as first author or present an oral presentation at in international conference with peer-reviewed abstract submission |  |  |

# AKF

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| **Nr.** | **Deliverable** | **Datum voltooid/ vrijstelling** | **Horend bij project/stage** |
| III.2.1.1 | Perform an acceptance test/commissioning/calibration of a medical device. |  |  |
| III.2.1.2 | Write a recommendation for development/adjustment of a medical device or procedure that is in clinical use. |  |  |
| III.2.4.1 | Participate in the building design process for new equipment |  |  |
| III.2.4.2 | Participate in solving artefacts |  |  |
| III.2.4.3 | Participate in image protocol optimisation for at least one type of medical equipment |  |  |
| III.2.4.4 | Perform image quality measurements for at least two types of imaging equipment. The resident is required to take a leading role in at least one of these projects. |  |  |
| III.3.1.1 | Participate in a quality control program for a medical device or clinical procedure |  |  |
| III.3.1.2 | Analyse a recent incident in the department |  |  |
| III.3.1.3 | Perform a prospective or retrospective risk analysis for existing or new equipment or treatment technique |  |  |
| III.3.4.1 | Write (or rewrite), implement and follow-up (Plan-Do-Check-Act -PDCA) at least one local guideline on quality management or closely related item |  |  |
| III.3.4.2 | Perform or participate in at least one audit or safety check of a department in which a lot of medical equipment is used |  |  |
| III.3.4.3 | For a minimum of three devices or groups of devices, a General Medical Physics resident should:   * Compose a complete business case or compose a request for proposal, or, * Compose, set up and perform an acceptance test, or, * Provide training to physicians, nurses or technicians for at least one type of medical equipment |  |  |
| III.3.4.4 | The resident is required to take a leading role in at least one of these projects. The devices included in Deliverable 3 should include, as a minimum, one device from each of:   * Radiology or nuclear medicine, - * The operating room or intensive care unit, and * Functional monitoring (for example, cardiology or audiology) |  |  |
| III.4.1.1 | Complete course ‘Stralingsbeschermingsdeskundige op het niveau van Coördinerend Deskundige’ |  |  |
| III.4.1.2 | At least one of the following items:   * Perform a radiation survey of an area using appropriate dose-rate equipment, * Study or perform practical design calculations for a room in which ionizing radiation will be used, * Plan and practice contingency measures, such as for a lost radiation source or spill, * Discuss decontamination procedures after a spill of liquid radionuclide with practitioners or patients, * Join the local Radiation Protection Commission of your department or institute, or   Join the local medical ethics committee as an advisor on the use of ionizing radiation in human research. |  |  |
| III.4.4.1 | Perform or participate in three procurement trajectories (including procurement, installation and implementation) of new medical radiological equipment or a radiopharmaceutical laboratory device) |  |  |
| III.4.4.2 | Set up at least one training program on medical radiological equipment to users |  |  |
| III.4.4.3 | Perform calculations regarding shielding (for at least one radiological used room) |  |  |
| III.4.4.4 | Compose or assist in composing a permit application for radiation protection (in Dutch: Vergunningsaanvraag ANVS) |  |  |
| IV.1 | Publish paper in peer-reviewed journal as first author or present an oral presentation at in international conference with peer-reviewed abstract submission |  |  |

# AUD

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| **Nr.** | **Deliverable** | **Datum voltooid/ vrijstelling** | **Horend bij project/stage** |
| III.1.5.1 | EPA: Hearing diagnosis in adults |  |  |
| III.1.5.2 | EPA: Hearing rehabilitation and audiological care in adults (mainly via hearing aids or bone conduction devices) |  |  |
| III.1.5.3 | EPA: Hearing diagnosis in children and infants |  |  |
| III.1.5.4 | EPA: Hearing rehabilitation and audiological care in children and infants |  |  |
| III.1.5.5 | EPA: Cochlear implants in adults |  |  |
| III.1.5.6 | EPA: Cochlear implants in children and infants |  |  |
| III.1.5.7 | EPA: Vestibulology |  |  |
| III.1.5.8 | EPA: Speech and language development in children |  |  |
| III.1.5.9 | EPA: Tinnitus |  |  |
| III.2.1.2 | Write a recommendation for development/adjustment of a medical device or procedure that is in clinical use. |  |  |
| III.2.5.1 | Calibrate and deliver a calibration report on an audiometer. |  |  |
| III.3.1.1 | Participate in a quality control program for a medical device or clinical procedure |  |  |
| III.3.1.2 | Analyse a recent incident in the department |  |  |
| III.3.1.3 | Perform a prospective or retrospective risk analysis for existing or new equipment or treatment technique |  |  |
| III.4.1.1 | Complete course ‘Toezichthoudend Medewerker Stralingsbescherming – Medische Toepassingen’ |  |  |
| IV.1 | Publish paper in peer-reviewed journal as first author or present an oral presentation at in international conference with peer-reviewed abstract submission |  |  |