



## НАО «МЕДИЦИНСКИЙ УНИВЕРСИТЕТ СЕМЕЙ»

### • ВИДЕНИЕ О ПРОЦЕССЕ ОБУЧЕНИЯ В РЕЗИДЕНТУРЕ

- На примере специальностей:
- Лучевая диагностика
- Лучевая терапия
- Онкология
- Ядерная медицина



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semeymedicaluniversity



SSMUofficial



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SemeyStateMedicalUni



www.ssmu.kz

# Текущая ситуация



# Процесс обучения

- Лучевая диагностика
- Тем. план составлен в соответствие с постепенным обучением работы на оборудовании (рентгенология, КТ, УЗД, МРТ, и т.д.)
- Лучевая терапия, - тем. план составлен в соответствие с ГОСО 2018 (с освоением навыков лечения онкологических пациентов на лучевых аппаратах (Линейный ускоритель и аппараты, заряженные радиоактивными элементами (Кобальт, Иридий и.т.д)) .
- Онкология- тем. план составлен в соответствие с ГОСО 2018 (с освоением навыков лечения онкологических пациентов с применением лекарственной терапии)

# Мировая практика

The screenshot shows the UEMS website with the following content:

- Header: UNION EUROPÉENNE DES MÉDECINS SPÉCIALISTES / EUROPEAN UNION OF MEDICAL SPECIALISTS
- Navigation: About us, Areas of Expertise, UEMS Activities, Examinations / Certifications, News, Media & Library, Donum Medica Europaea
- Section: Continuing Medical Education & Professional Development
- Text: "From the ancient times of Hippocrates, doctors have promised to keep up-to-date their knowledge and skills. The importance of Continuing Medical Education (CME) and Continuing Professional Development (CPD) is self-evident to doctors. As progress in medicine becomes ever faster, the necessity to up-date ones knowledge is even greater. It has been estimated that about half of all medical knowledge is out of date within five years. It was the great Greek philosopher Socrates who stated: 'If you think that education is expensive, you should consider ignorance.'"
- Text: "CME-CPD actually starts from the first day of medical school. However, the longest time in a doctor's career is the time following specialization. The actual importance of CME-CPD is 90% relevant during this period which may be 30 years long."
- Taskbar: Shows multiple open browser tabs for UEMS documents.

The screenshot shows a list of European Training Requirements adopted by the UEMS Council:

- UEMS 2019.47 European Training Requirements in Sports Medicine.pdf
- UEMS 2019.46 European Training Requirements in Radiation Oncology Radiotherapy.pdf
- UEMS 2019.45 European Training Requirements in Paediatric Emergency Medicine.pdf
- UEMS 2019.44 European Training Requirements in Pathology.pdf
- UEMS 2019.43 European Training Requirements in Allergology.pdf
- UEMS 2019.24 European Training Requirements for Public Health.pdf
- UEMS 2019.23 European Training Requirements in Interventional Neuroradiology.pdf
- UEMS 2019.22 European Training Requirements for Paediatric Gastroenterology.pdf
- UEMS 2019.21 European Training Requirements for Manual Medicine.pdf
- UEMS 2018.37 European Training Requirements in Radiology.pdf
- UEMS 2018.42 European Training Requirements in Transplant Surgery.pdf
- UEMS 2018.35 European Training Requirements for Wound Healing.pdf
- UEMS 2018.39 European Training Requirements in Infectious Diseases.pdf
- Appendix Curriculum infectious diseases.pdf
- Appendix B Infectious diseases.pdf
- UEMS 2018.23 - European Training Requirements in Pediatric Allergology.pdf
- UEMS 2018.22 - European Training Requirements in Paediatric Infectious Diseases and Immunology final.pdf
- UEMS 2018.21 - European Training Requirements in Paediatric Rheumatology.pdf
- UEMS 2018.19 - European Training Requirements in Emergency Medicine - pdf
- UEMS 2018.22 - European Training Requirements in Paediatric Infectious Diseases and Immunology final.pdf
- UEMS 2018.19 - European Training Requirements in Emergency Medicine - pdf
- UEMS 2018.18 - European Training Requirements in Obstetrics and Gynaecology.pdf
- UEMS 2018.17 - European Training Requirements in Anaesthesiology.pdf
- UEMS 2018.16 - European Training Requirements in Endocrinology.pdf
- UEMS 2018.15 - European Training Requirement PRM specialty.pdf
- UEMS 2017.34 - Curriculum Medical Microbiology
- UEMS 2017.33 - European Training Requirements Phlebology
- UEMS 2017.32 - European Training Requirements Medical Oncology
- UEMS 2017.31 - European Training Requirements Clinical Neurophysiology.pdf
- UEMS 2017.30 - European Training Requirements Orthopaedics
- UEMS 2017.29 - European Training Requirements in Dermatology & Venerology
- UEMS 2017.09 - European Training Requirements in Gastroenterology
- UEMS 2017.08 - European Training Requirements in Psychiatry
- UEMS 2017.07 - European Training Requirements in Nuclear Medicine
- UEMS 2017.06 A - Description of the Specialty Clinical Genetics
- UEMS 2017.06 B - Syllabus Clinical Genetics
- UEMS 2017.06 - European Training Requirements in Clinical Genetics
- UEMS 2016.15 - European Training Requirements Laboratory Medicine.pdf
- UEMS 2016.14 - European Training Requirements Neurology.pdf

# Мировая практика

- [European Training Curriculum for Radiology](#)
- [European Training Requirements in Nuclear medicine](#)
- [European Training Requirements in Oncology](#)
- [European Training Requirements in Radiotherapy](#)

# Рекомендации стратегических партнеров Ваškent University по лучевой диагностике

**Наименование  
специальности -  
Радиология**

**Обучение в  
резидентуре – 5 лет**

**Субспециализации,  
в том числе  
Интервенционная  
радиология**

# Предлагаемый процесс обучения

European Union | Committee for Me | EFOMP :: Europe | UEMS / EBNM - E | Main UEMS - CME | Основные UEMS | Main UEMS - CME | UEMS-2018.37-Eur

uems.eu/\_data/assets/pdf\_file/0018/72270/UEMS-2018.37-European-Training-Requirements-in-Radiology.pdf

The diagram illustrates the proposed training process for radiology, structured into five levels of training, each with specific curriculum components:

- Level III Training (Subspecialisation) beyond Year 5:** Subspecialty Training Curriculum.
- Level II Training Year 4-5:** Breast Radiology, Cardiac and Vascular Radiology, Chest Radiology, Emergency Radiology, Gastrointestinal and Abdominal Radiology, Gynaecological and Obstetric Radiology, Head and Neck Radiology, Interventional Radiology, Musculoskeletal Radiology, Neuroradiology, Oncologic Imaging, Paediatric Radiology, Urogenital Radiology, Medical Imaging Informatics.
- Level I Training Year 1-3:** Breast Radiology, Cardiac and Vascular Radiology, Chest Radiology, Emergency Radiology, Gastrointestinal and Abdominal Radiology, Gynaecological and Obstetric Radiology, Head and Neck Radiology, Interventional Radiology, Nuclear Medicine as Basic Training, Musculoskeletal Radiology, Neuroradiology, Paediatric Radiology, Urogenital Radiology, Radiation Protection Education and Training, Principles of Imaging Technology & Molecular Imaging, Principles of Medical Imaging Informatics, Communication and Management, Research and Evidence-Based Medicine.
- U-Level Training Undergraduate Education:** Module U-I, Module U-II.

EUROPEAN SOCIETY OF RADIOLOGY  
WWW.MYESR.ORG

Активация Windows  
Чтобы активировать Windows, перейдите в раздел "Параметры".

Показать все

UEMS-European-T...pdf | UEMS-2019.23-Eur...pdf | UEMS-2019.46-Eur...pdf | UEMS-2018.37-Eur...pdf

19:46  
02.11.2019

## Бакалавриат

5 лет

1 год

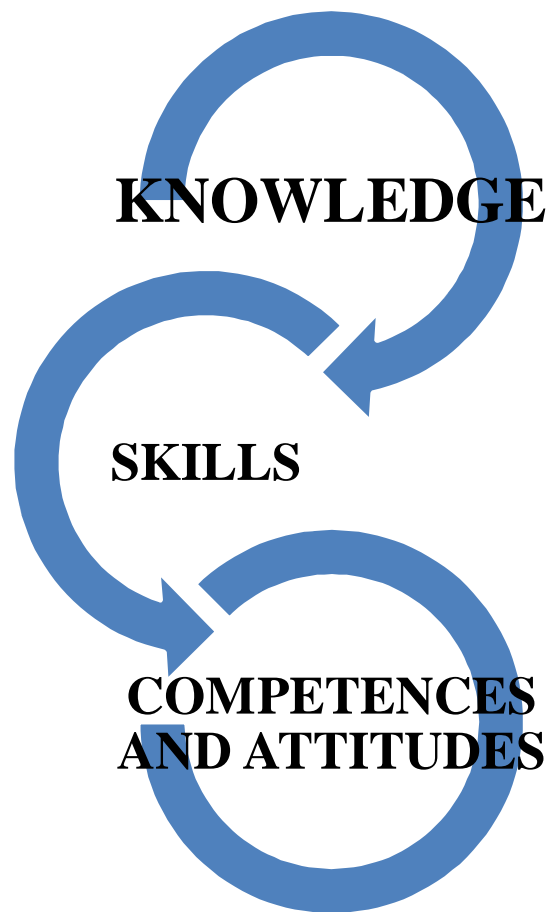
## Резидентура

5 лет

**Субспециализации (+2)**

Breast Radiology, Cardiac and Vascular Radiology, Chest Radiology, Emergency Radiology, Gastrointestinal and Abdominal Radiology, Gynaecological and Obstetric Radiology, Head and Neck Radiology, Interventional Radiology, Musculoskeletal Radiology, Neuroradiology, Oncologic Imaging, Paediatric Radiology, Urogenital Radiology, Medical Imaging Informatic, Emergency Radiology, Nuclear medicine and Basic Training, Radiation Protection Education and Training, Principles of Imaging Technology & Molecular Imaging, Principles of Medical Imaging Infomatics Communication and Management, Research and Evidence-Based Medici



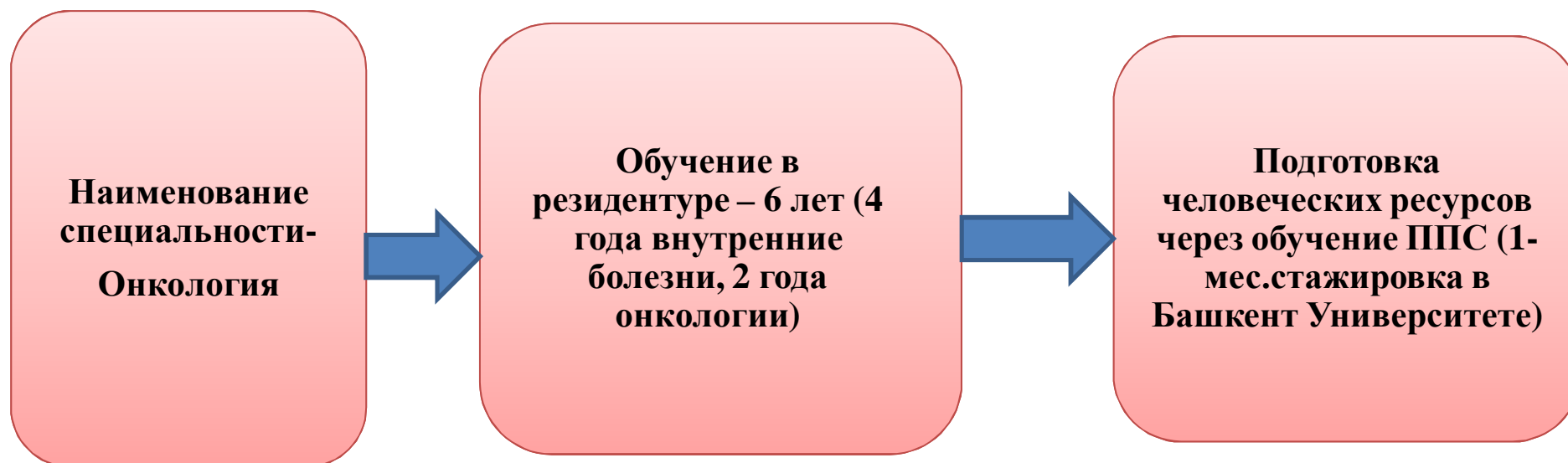


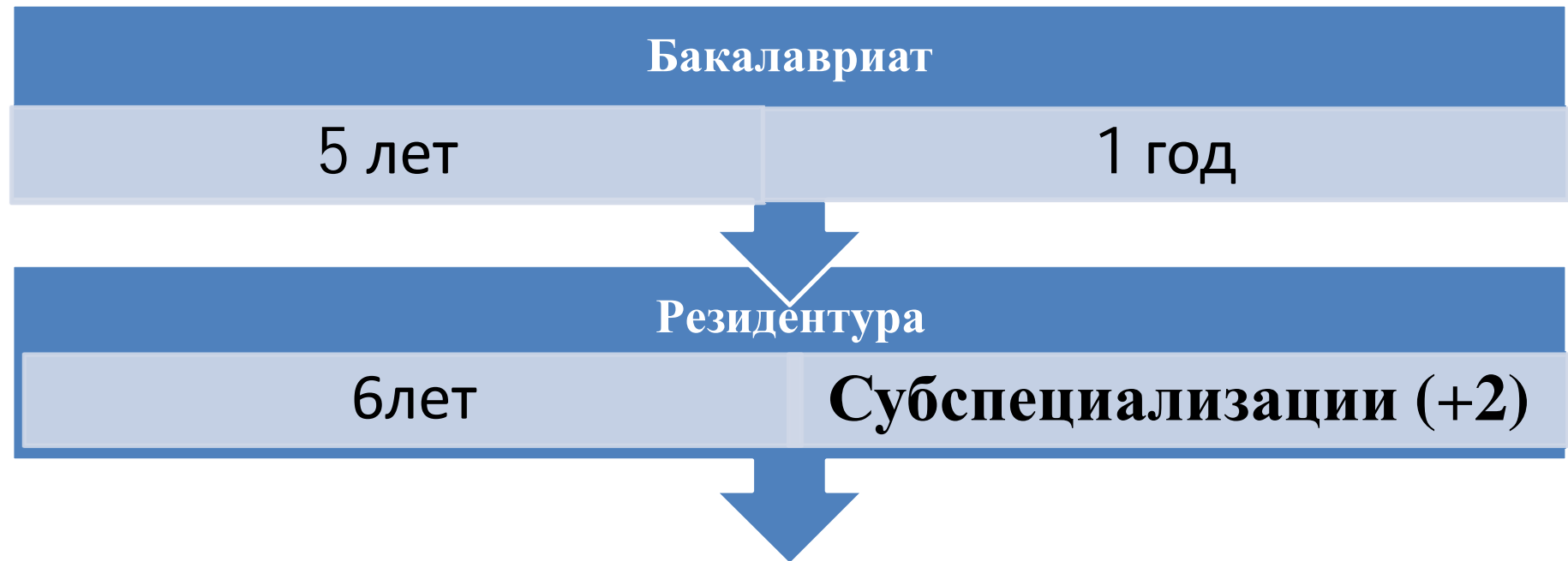
1. оценка знаний специалиста –  
экзаменация на уровне ВУЗа

2. Оценка практических навыков  
специалиста - Независимая  
экзаменация, сертификация на  
уровне РК

3. Профессиональные навыки –  
национальные медицинские  
ассоциации (Казахское  
радиологическое общество)

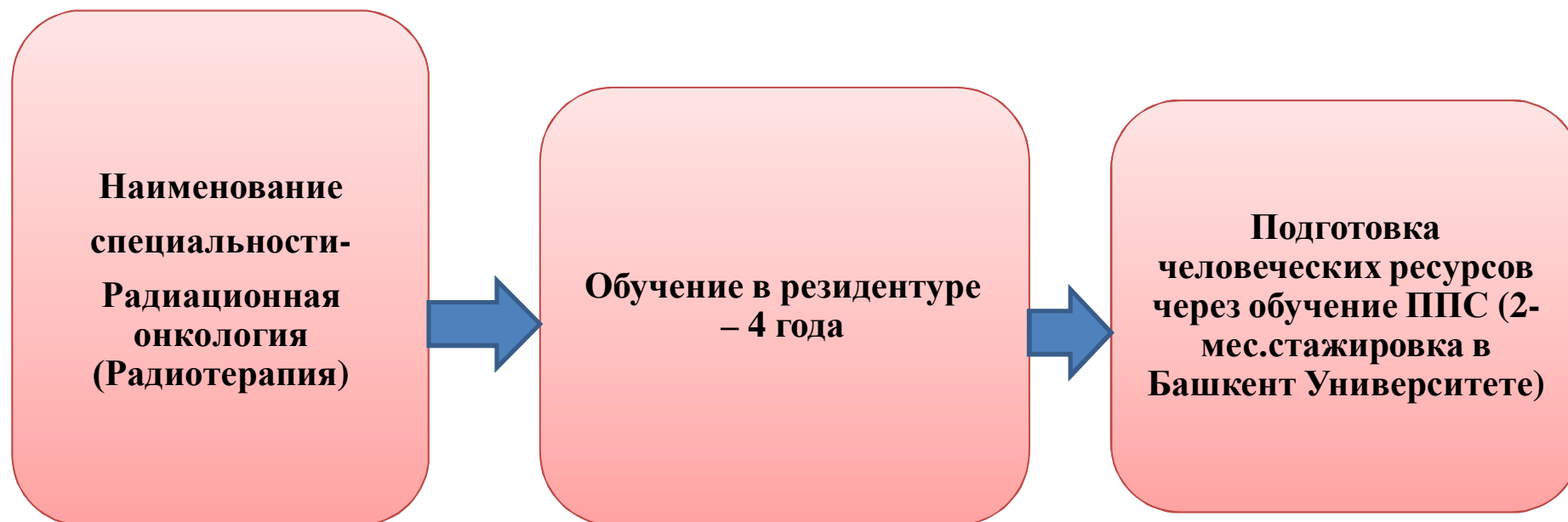
# Рекомендации стратегических партнеров Ваşkent University по онкологии (химиотерапия, маммология (взрослая))

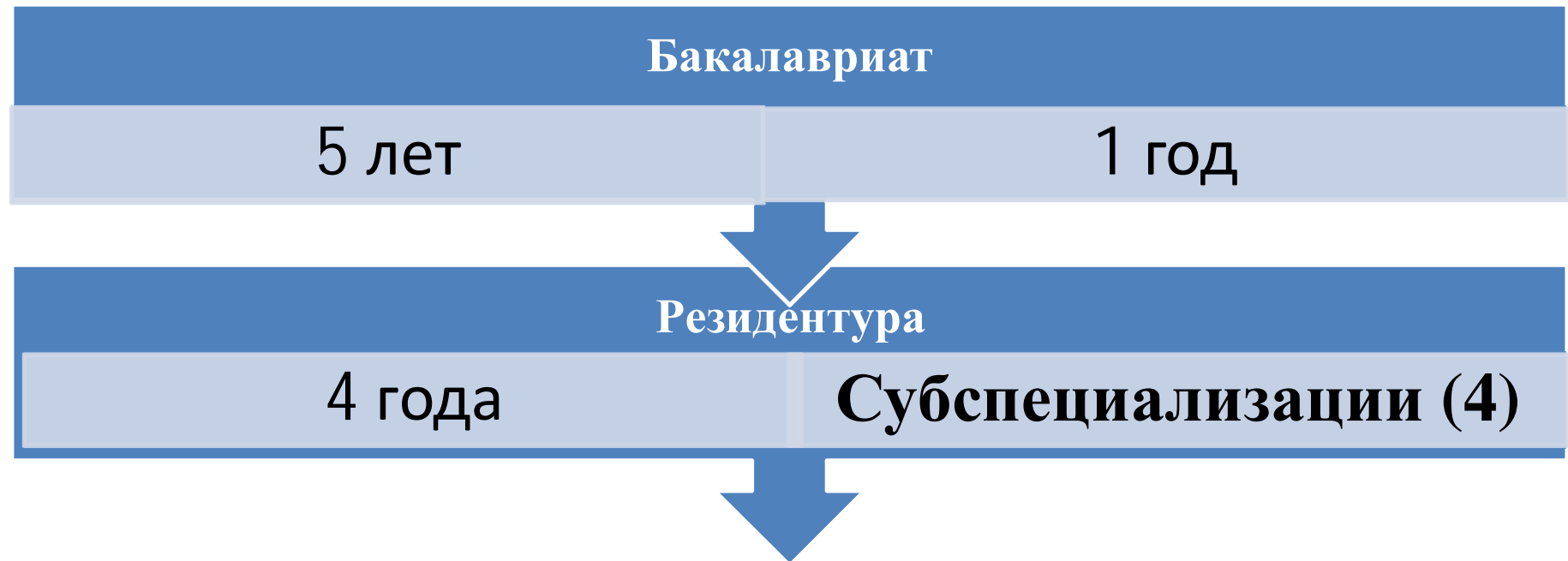




Breast cancer, Lung cancer, Lower gastrointestinal cancer (Rectum, Anal canal and anal margin), Urological cancer (Prostate), Thoracic cancer (Mesotelioma, Thymoma), Upper gastrointestinal cancer (Oesophagus, Stomach, Pancreas), Head and neck cancer (Larynx, pharynx, Oropharynx, Oral cavity, Paranasal sinuses, Nasopharynx, Salivary gland tumors, Thyroid, Middle ear), Sarcomas (Soft tissue), Gynecological cancer (Cervix, Endometrium), urological cancer (bladder, Kidney, Penis, Testicle-Seminomas) etc.

# Рекомендации стратегических партнеров Başkent University по лучевой терапии





Breast cancer, Lung cancer, Lower gastrointestinal cancer (Rectum, Anal canal and anal margin), Urological cancer (Prostate), Thoracic cancer (Mesotelioma, Thymoma), Upper gastrointestinal cancer (Oesophagus, Stomach, Pancreas), Head and neck cancer (Larynx, pharynx, Oropharynx, Oral cavity, Paranasal sinuses, Nasopharynx, Salivary gland tumors, Thyroid, Middle ear), Sarcomas (Soft tissue), Gynecological cancer (Cervix, Endometrium), urological cancer (bladder, Kidney, Penis, Testicle-Seminomas) etc.

# **Рекомендации стратегических партнеров *Baškent University* по ядерной медицине**

**Включение в реестр специальностей**

**Создание самостоятельной кафедры ядерной медицины**

**Обучение в резидентуре – 4 года**

**Подготовка человеческих ресурсов через обучение ППС (6-мес. стажировка в Башкент Университете), наличие оборудование для радионуклидной диагностики и лечения**