

NRC MEDICAL TEAM UPDATES

Sarah Spence, CHP
Health Physicist, USNRC
August 21, 2024

A doctor in a white lab coat is shown from the chest down, holding a stethoscope. The background is a bright, blurred hospital hallway with people walking, including one person in a wheelchair. The overall tone is professional and healthcare-oriented.

AGENDA

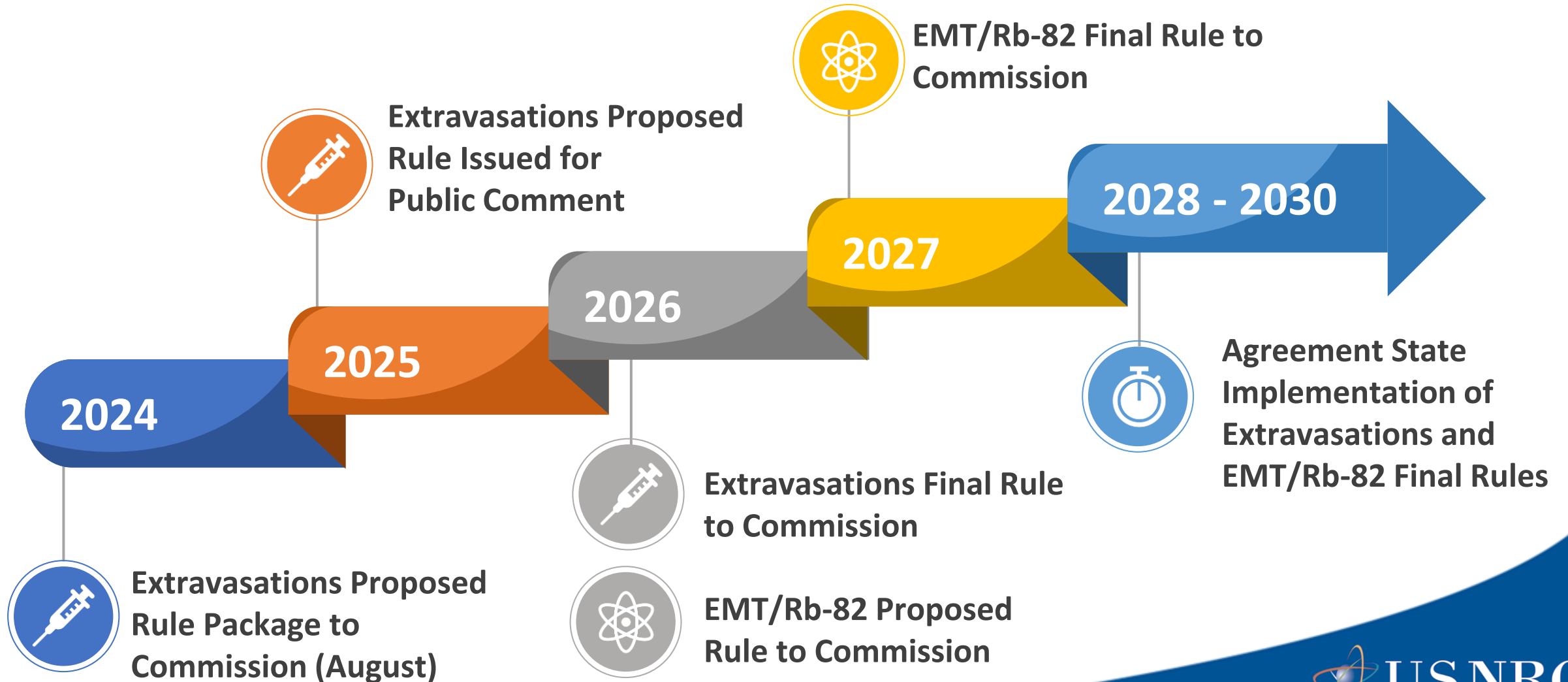
RULEMAKINGS

GUIDANCE

POLICY

OTHER EFFORTS

Medical Rulemakings



EMT/Rb-82 Generator Rulemaking



RB-82 GENERATORS

Address challenges with Rb-82 generators that have been historically addressed through enforcement discretion



WELL-ESTABLISHED EMTs

Address requirements for microspheres, GSRs, intravascular brachytherapy, eye applicators, and other NRC-evaluated EMTs



FUTURE EMTs

Consider updating regulations to accommodate future new uses of byproduct material or radiation from byproduct material in medicine



TRAINING AND EXPERIENCE

Re-evaluate T&E requirements for existing EMTs and propose potential changes



OTHER CHANGES

Supervision, Radiation Safety Committees, Multi-dose protocols

Veterinary Release



1 Rekindle veterinary release rulemaking effort

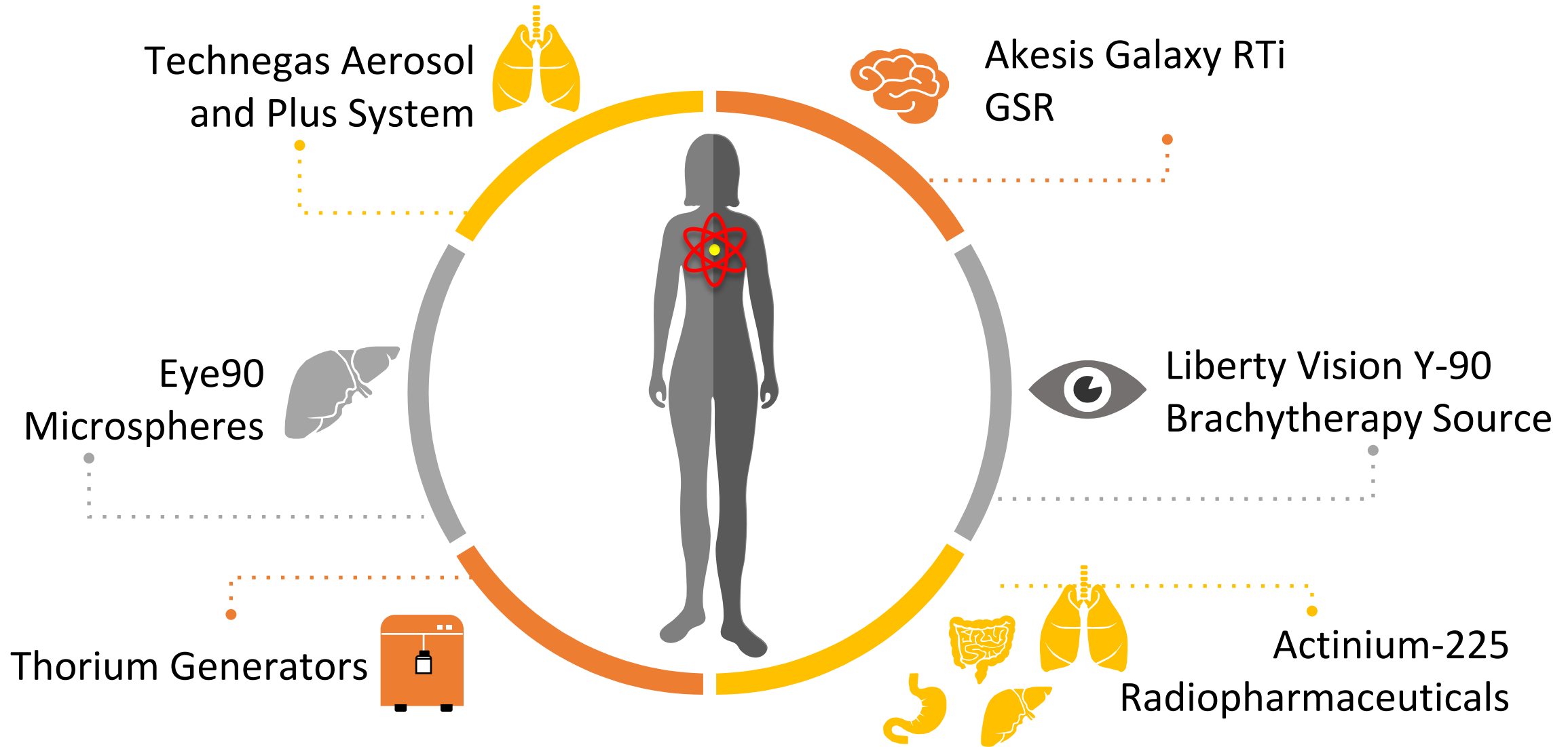


2 Enhancing existing codes to include animal phantom models to develop regulatory guide



3 Assessing whether changes are needed to the Exubrion TER to address expanded uses of Synovetin OA

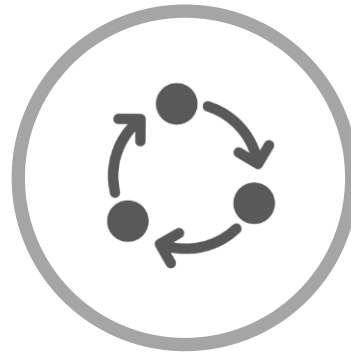
EMERGING MEDICAL TECHNOLOGIES



Regulatory Guide 8.39, Release of Patients Administered Radioactive Material



Comment
Resolution



Simplifying
Methodology



Cost-Benefit
Analysis

Regulatory Guide for Reporting and Evaluating Medical Events

Regulations

- Medical Event Reporting
- Dose to embryo/fetus
- Written directives
- Procedures



Generic Communications

- Information Notices
- Regulatory Issue Summaries



References

- Guidance
- SRMs
- Policy Statements
- International Standards



Examples

- For most commonly reported medical events
- For most common medical procedures

Other Guidance Development Efforts

- Information Notice regarding radiopharmaceutical administrations
- Training and Experience Implementation Guidance



ABR Termination

ABR notified NRC and submitted a letter of intent to terminate NRC's recognition of their certification processes ([ML22091A272](#)).

NRC issued [IN 23-05](#) to provide information about the discontinuation and the existing T&E pathways for individuals seeking to become authorized individuals on medical use licenses

Nov 16, 2023

December 31, 2023

March/April 2022

Nov 30, 2023

NRC informed ABR that that recognition of the board's certification processes for specialty areas currently listed on the NRC's Medical Toolkit will be discontinued after December 31, 2023

ABR discontinued including AU, AMP, and RSO –Eligible designations on certificates issued after December 31, 2023.

Household Waste from Nuclear Medicine Patients



ACMUI recommended that NRC assess the issue of detection of short-lived medical isotopes in municipal waste from nuclear medicine patients



Sent voluntary survey to Agreement States requesting information on best practices and need for additional guidance.



Assessing our regulatory framework regarding waste and developing recommendations

Acronyms

- ABR – American Board of Radiology
- ACMUI – Advisory Committee on the Medical Uses of Isotopes
- AMP – Authorized medical physicist
- AU – Authorized User
- EMT – Emerging medical technology(ies)
- GSR – Gamma stereotactic radiosurgery
- IN – Information Notice
- NRC – Nuclear Regulatory Commission
- RSO – Radiation Safety Officer
- Rb – Rubidium
- SRM – Staff requirements memorandum
- T&E – Training and experience
- TER – Technical evaluation report



Contact Us!



Sarah.Spence@nrc.gov



medicalquestions.resource@nrc.gov



301-415-3697



[Medical Uses Licensee Toolkit | NRC
Public Website](#)