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The free loading of USP GC Appeal Updates RadioPharmaceuticals represent a unique class of medicines where compounds and other processing activities include the use of radionuclide generators, the preparation of commercially produced radiopharmaceutical kits, the dilution of FDA-approved multi-dose vials, the labeling of blood products with radionuclides. These activities take place at a time when the individual needs of patients and the safe handling of radioactive materials require a high level of care and well-defined standards that support these activities. The development of the USP General Chapter is a non-profit, science-driven organization that has an established process of convening independent experts to develop and maintain quality standards. This process is focused on public health, using modern science and technology, and draws on the experience of scientists and practitioners, providing opportunities for public input from stakeholders throughout the standard-setting process. USP develops standards for radiopharmaceuticals, including monographs for radioactive drugs and general chapters related to radioactivity and radiopharmaceuticals in general and some aspects for the combination of radiopharmaceuticals that emit positron. The USP Chemical Medicines Monograph 4 Expert Committee is responsible for the development of the general chapter of the zlt.825.gt. Review their work plan and past meetings. The chapter was published on June 1, 2019. Stay involved: Stakeholder engagement is an integral part of the standards-setting process. Stay involved and sign up to receive updates from USP. Return to radioactive articles for further updates and other information about USP's efforts to update and modernize monographs and general chapters of radioactive articles. Resources 1. What is radiopharmaceutical? Radiopharmaceutical (radiopharmaceutical preparation/radioactive drug) is defined as a ready-made form of dosage that contains a radioactive substance in connection with one or more ingredients and which is intended for diagnosis, stage of disease, monitoring of treatment or therapy. Radiopharmaceutical includes any set of non-radioactive reagents or radionuclide generator, which is designed for use in the preparation of any such substance. The terms radiopharmaceutical and radioactive drugs are used interchangeably. Because they contain radioactive materials, radiopharmaceuticals are subject to the control of the U.S. Nuclear Regulatory Commission (NRC) or government agency by entering into an agreement with the NRC. Also they are prescription drugs, radiopharmaceuticals fall under the control of the U.S. Food and Drug Administration (FDA). 2. Are radiopharmaceuticals classified as dangerous drugs by NIOSH because of radiation hazards? No. The National Institute for Occupational Health and Safety (NIOSH) dangerous drugs exclude radiopharmaceuticals, which are regulated by the Nuclear Regulatory Commission. 3. What is the goal? The goal is to provide uniform minimum standards for the preparation, connection, dosing and repackaging of sterile and non-sterile radiopharmaceuticals for humans and animals that take place as part of state-licensed activities (e.g. pharmacy and medicine). Describes facilities and engineering controls, staff training and qualifications, as well as procedural standards for the treatment of radiopharmaceuticals in nuclear pharmacies, nuclear medicine in hospitals and clinics, and other medical facilities using radiopharmaceuticals. For sterile radiopharmaceuticals, these standards balance the practice of aseptic treatment with radiation protection practices to describe appropriate strategies to ensure patient safety as well as ensure the safety of those performing these activities. 4. Why and how was it developed? It was developed in response to public comments, related to the 2015 revision of the white paper in 2016 by the Society for Nuclear Medicine and Molecular Imaging, as well as the USP's 2017 Stakeholder Workshop, which highlighted the unique characteristics of radiopharmaceuticals that make compliance with the 797-year-old difficult or impossible. It was developed by an expert panel of members of the USP Chemical Medicines 4 Expert Committee (which oversees radioactive drugs), the USP, FDA, Health Canada, nuclear pharmacists and nuclear medicine technologists. The draft document was published for public comment in July 2018. Public comments were received until November 2018. The final version, which addressed all public comments, was released on June 1, 2019 with an official date of December 1, 2020. 5. To whom and in what settings does it belong to? It applies to all persons who cook, compounds, dosing or repackaging radiopharmaceuticals. The individuals concerned will include authorized nuclear pharmacists (PP) and authorized pharmaceutical (AS) physicians, as well as those working under their supervision. This includes, but not limited to, student pharmacists, nuclear pharmacy technicians, nuclear medicine technologists and students and physicians residents and interns. It also applies to all practical installations in which radiopharmaceutical companies are prepared, aggravated, distributed or repackaged. Practical conditions include state-licensed nuclear pharmacies, federal nuclear pharmacies, but not limited to nuclear medicine departments in hospitals and clinics, nuclear cardiology clinics and others клиниками, которые занимаются радиофармацевтическими препаратами. 6. Являются ли радиофармацевтические препараты, соединенные 503В-установками или условно изготовлены в зарегистрированных FDA фармацевтических учреждениях, активными фармацевтическими ингредиентами (API)? Нет. Термин API относится к&lt;/825&gt; &lt;/825&gt; &lt;/825&gt; &lt;/825&gt; &lt;/825&gt; &lt;/825&gt; &lt;/797&gt; &lt;/797&gt; &lt;/825&gt; &lt;/825&gt; &lt;/825&gt; &lt;/825&gt; &lt;/825&gt; &lt;/825&gt; &lt;/825&gt; &lt;/825&gt; substance (pure chemical), usually in powder or liquid form, which is intended for use in the compound. The API differs from the finished dosage forms. 7. How do you know what the requirements are compared to the recommendations of the zlt:825?gt;? Typically, requirements in the general chapter are conveyed by means of term must. Recommendations are passed through the terms should and can. What does the official date mean? The official USP date indicates the date by which affected users must meet the requirements of a particular standard. It is the responsibility of regulators such as the FDA, states, other government agencies, and accreditation/certification organizations to ensure compliance with these standards. USP plays no role in law enforcement. 10. Are temperatures expressed in the degrees Fahrenheit or Celsius? Unless otherwise stated, all temperatures in USP-NF are expressed in Degrees Celsius (see also General Notices 8.180 Temperature). 11. Have there been any changes between the PF44 (5) Sep-Oct 2018 offer and the official version as a result of public comments? Yes. Based on public comments, changes have been made to the company. For example, the requirements for the immediate use of drugs have been presented as a new section 3. Immediate use of sterile radiopharmaceutical techniques. Another example of the change is the period of retraining of media filling competence has been increased from 6 months to 12 months. Details of the changes made in connection with public comments can be found in the commentary. 12. Is the administration for patients in the area? No. 13. Is the splitting of kits (faction) allowed? Defines the standards that must be met when the kit is divided. In the case of the kit, the separation of the kit



