



Challenges and solutions in the TRP patient journey

Challenges	Potential solutions
1. Adding a new TRP to an institution	<ul style="list-style-type: none">• Develop a streamlined evidence package for P&T review.• Build training materials around TRP-agnostic processes such as acquiring and amending RAM license and TRP-specific processes that include calibration, preparation, premeds, administration, monitoring and more.• Onboard dedicated theranostic centers that can help efficiently move more patients through the TRP process.
2. Referral to nuclear medicine and radiation oncology	<ul style="list-style-type: none">• Use materials that include searchable maps to identify both nearby hospitals capable of delivering TRPs and connections at those hospitals.• Deliver guidance to referring and treating HCPs on how to optimally collaborate and care for patients.• Collaborate across the industry to facilitate the qualification of other specialists to effectively deliver TRPs.
3. TRP imaging agents and PET imaging	<ul style="list-style-type: none">• Provide support from case managers and other professionals, as well as education materials to facilitate access to TRPs and help hospital staff navigate the PA process.• Develop portals that make ordering and scheduling TRPs seamless. These portals should feature precise information around delivery timing and offer high levels of transparency into the manufacturing process.
4. TRP prior authorization	<ul style="list-style-type: none">• Provide support from case managers and other professionals, as well as education materials to facilitate access to TRPs and help hospital staff navigate the PA process.
5. TRP ordering and scheduling administration	<ul style="list-style-type: none">• Streamline the ordering and scheduling process. As with cell therapy, it may be beneficial for manufacturers to have operations-focused team members who help guide hospital staff through challenges.

6. TRP manufacturing

- Prioritize demand planning, with a special focus on precision and refresh frequency (weekly or biweekly).
- Build redundancies into manufacturing capacity to avoid a complete shutdown in the event of contamination.
- Pursue vertical integration with the goal of manufacturing radionuclides in-house.
- Evaluate the potential return on investment of developing TRPs that use more accessible radionuclides like Lead-212.

7. Logistical challenges with delivery

- Streamline and standardize delivery while better integrating data sets and systems to deliver real-time delivery updates.
- Deploy operations-focused team members to help guide hospital staff through difficult parts of the process.

8. TRP preparation and administration

- Offer HCPs educational materials and resources such as hotlines and chatbots to answer urgent questions.
- Collaborate across the industry to facilitate the qualification of other specialists to effectively deliver TRPs.
- Onboard dedicated theranostic centers that can help efficiently move more patients through the TRP process.

9. Radiation safety education

- Deliver hospitals standardized, efficient educational materials for each radionuclide.
- Collaborate across the industry to facilitate the qualification of other specialists to effectively deliver TRPs.

10. Waste disposal

- Proactively engage regulatory bodies to understand a manufacturer's role in waste disposal and how it may evolve.
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