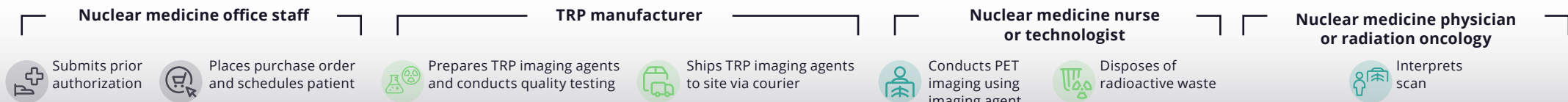
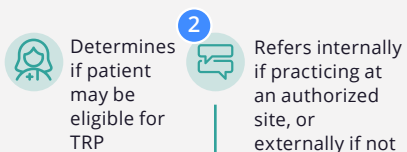




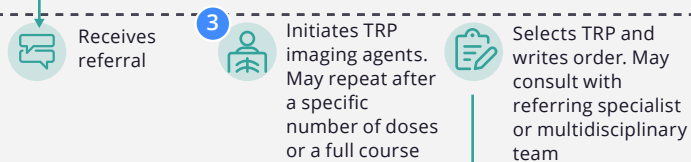
TRP imaging agents: Key steps and stakeholders



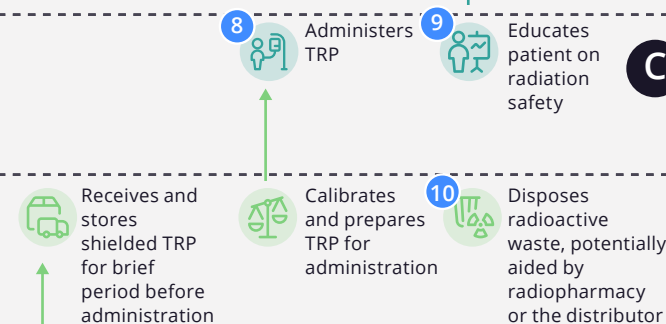
Organ specialist and medical oncologist



Nuclear medicine physician and radiation oncologist



Nuclear pharmacist, nurse and technologist



Nuclear medicine office staff (may also be nurse or technologist)



TRP manufacturer



Key



Patient flow



Product flow



Money flow



Commercial challenges



Important steps in TRP manufacturing



Sources radionuclide or radionuclide starting material. This is a recurring step but not dose by dose



Manufactures TRP in batches. Quality checks batch for purity and radioactivity



Prepares individual doses, quality checks doses for weight and radioactivity and packages each dose into lead containers

A Time from consultation to administration of first dose is usually four to six weeks with a range of one to 12 weeks. Patient eligibility (known or unknown) and site of care (at an authorized center or not) influence time to either end of this range.

B TRP availability at a site is contingent on RAM licenses for the associated radionuclides, P&T committee approval and manufacturer onboarding.

C This may also be handled by radiation safety officer.

D Specialty pharmacy may be an intermediary within the purchasing process, or the purchase order may be placed directly with the manufacturer.