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Advancing Practice With the Role of an Advanced Practice Lung Radiation Therapist in Motion Management Clinic for Lung SBRT Patients

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Disclosure

Artificial Intelligence (AI) Use Disclaimer

AI tools used: Napkin AI

Purpose: Creation and refinement of graphics/visual elements.

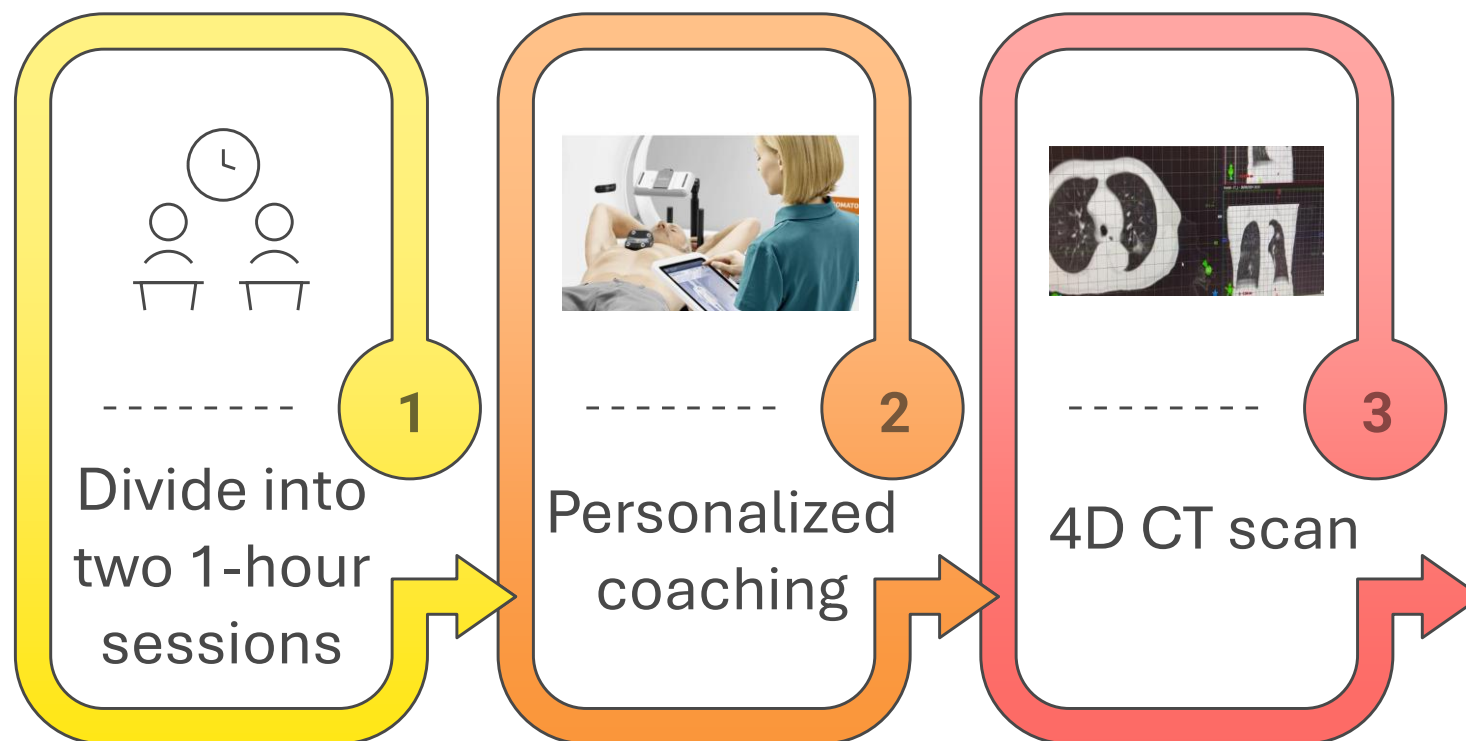
Content: Scientific content and clinical interpretation were independently developed and reviewed by the presenter. AI did not replace clinical expertise or independent medical judgment.

Introduction

- Lung SBRT requires accurate management of respiratory tumour motion.
- Challenges:
 - No existing framework on patient selection for motion management
 - Prolonged CT sessions for patients when requests cannot be met
 - Increasing lung SBRT workload
- Lung **Advanced Practice Radiation Therapist (APRT)**:
 - bridge clinical decision-making and RT implementation
 - Opportunity to address this service gap

What APRT implemented

- **Motion management clinic**
 - Patient coaching, 4D CT motion assessment and a structured decision framework

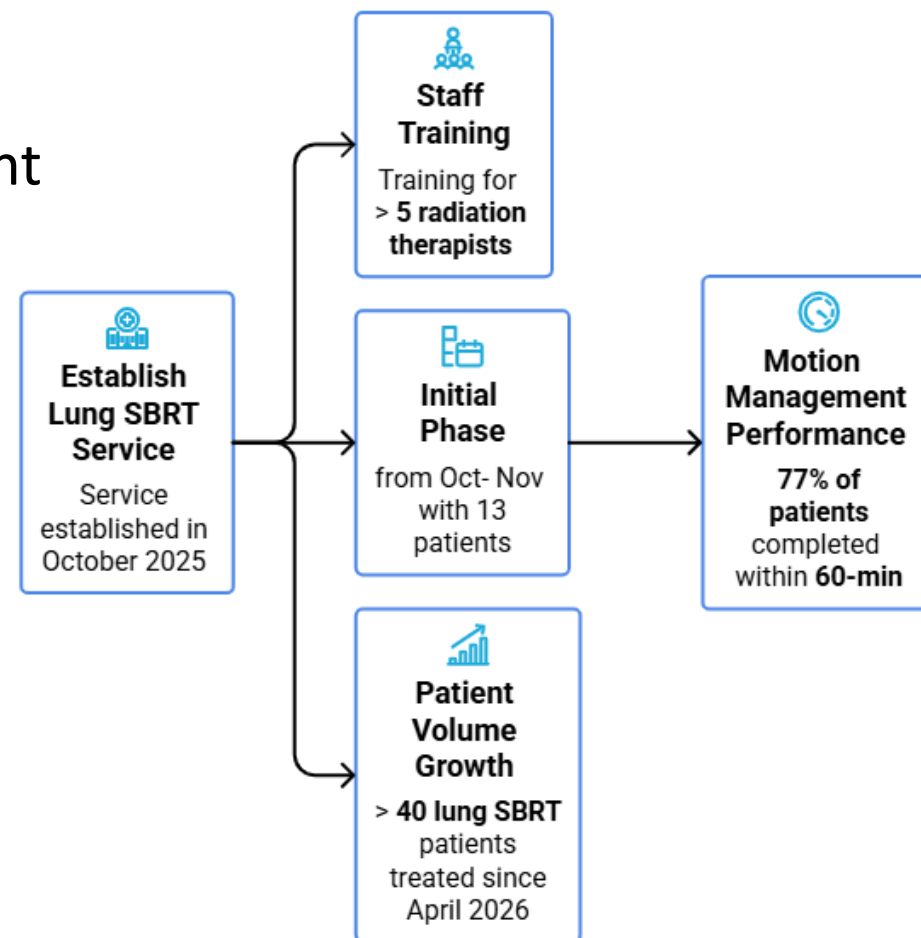


What was achieved

- Standardised:
 - **Structured motion-management** pathway
- Service impact:
 - Reduction in CT simulation utilisation
 - **>143 patients** assessed
- APRT role:
 - Bridged Radiation Therapists and Radiation Oncologists

What was achieved

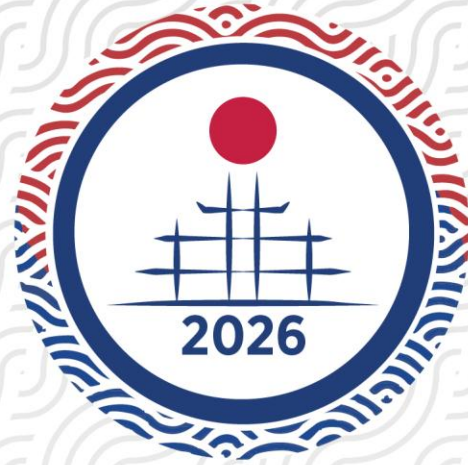
- Scale: Implementation to **satellite institution**
 - Lung SBRT service and motion management
- Radiation Therapists competency training
- Standardised of protocols



Satellite institution Lung SBRT service

Conclusion

- Structured model to lung SBRT motion management
- APRT-led models can extend the radiation therapist's role
 - support service development
 - workforce capability
 - sustainable lung SBRT service expansion



Thank You.