

Day 0: 23rd March 2026

[Day 2 of Registrar workshop - finishing at 3:00pm]

Welcoming Powhiri 3:30pm to 7pm

Day 1: 24 March 2026, Tuesday

Sponsor Setup

Registration

Auditorium - Joint Session

Welcome by convenors: Ian Hanson and Christine Thompson

Keynote speaker: Juergen Meyer

Topic: Reirradiation 45 minutes + Discussion

Platinum sponsor presentation: Alpha XRT

Morning Break- in foyer and A+ room

Auditorium- Radiation Therapy Planning / Automation

Henley room: CT Optimisation Workshop (part 1)

Clinical Implementation of an Iterative Automation Framework for CyberKnife Prostate SBRT Planning (Ronnie Leung)

Introduction: Brian Lunt (10 min)

VMAT for Breast and Regional Lymph Nodes: Implementation and Outcomes at Auckland City Hospital (Gerard Bengua)

CT Dose basics: CTD_{lair}, CTD_{lw}, CTD_{lvol}, DLP, WED, SSDE, Effective Dose conversion factors, Dose risk (TBC) (15 min)

Minimising Body Dose in Stereotactic Radiosurgery (Emese Toth)

Image Quality and System Performance (Andrew Blair) (15 min)

PyRadiomics in RayStation – From Voxels to Value (Andy Anderson)

Reconstruction Options (Brett Cunningham) (15 min)

Generalisation of AI Trained on Simulated Data for Digital Holographic Interferometry (Aiden Soal)

AEC (James Dudson) (15 min)

Gold Sponsor presentation: Raysearch

Lunch in foyer and A+ room

Auditorium - Joint Session

Auditorium CT Optimisation Workshop (part 2)

Patient positioning : DIMP context (TBC)

Optimising CT for Radiation Oncology (Ruth Smith)

CT Contrast Injection (Steven Muir)

Beam CT Number and Dual Energy Steven Muir

Naeotom Alpha spectral CT: introduction to technology and applications Nicholas Cook

CT Artefacts: Types of CT artifacts . Workflow for identifying artifacts by the radiologist/At the scanner. Catalogue of CT Artifact examples (TBC)

Afternoon Break- in foyer and A+ room

Auditorium - Joint Session

Gold Sponsor presentation: Varian

What can the college do for you? (Di Robinson, CEO ACPSEM)

RTRSIG: Establishment of a College-wide TEAP training collaboration (Alicia Moggré)

**John Strong memorial lecture:
Samantha Holdsworth - Matai institute.**

From concept to community: Next-generation MRI and the making of Mātai

Conference Dinner

Day 2: 25 March 2025, Wednesday

Auditorium - Joint Session

Gold Sponsor presentation: Elekta

Motion Tracking in Complex Media: The Matrix Approach (Abigail Moull)

9:25-9:40	HyperSight CBCT imaging for pelvic cases: A feasibility study (Nevin Koshy Azhaketh)		
9:40 to 9:50	Gold sponsor presentation: Brainlab		
	Auditorium- Radiation Therapy Planning / Automation		Henley room: Nuclear Medicine/DIMP Workshop
09:50- 10:05	The challenges of implementing a single enhanced leaf model across three TrueBeam linear accelerators (Ben Scarlet)	09:50-10:05	Monte Carlo Evaluation of Composite PET Barrier Performance (Brian Lunt)
10:05 - 10:20	Monte Carlo Percentage Depth Dose Curve generation for the Xstrahl X150 (Andrew Williams)	10:05-10:35	
10:20- 10:35	SGRT commissioning and clinical implementation experience (Arun Patel)		
10:35-11:05	Morning Break- in foyer and A+ room		
	Auditorium - Radiation Therapy		Henley room: CT Optimisation Workshop (part 3)
11:05-11:20	Proton Minibeam Radiation Therapy: Monte Carlo Modelling and Evaluating Equivalent Uniform Dose for Pre-Clinical Applications (Evelyn Yeo)		CT Common misconceptions with (Quiz)
11:20 - 11:35	Validation of Gafchromic™ EBT4 Film for Applicator Factor and Profile Measurements for 80 kV and 100 kV Beams at Wellington Blood and Cancer Centre (Chrizia Cayanan)		Protocol Management (Troy Smith)
11:35 - 11:50	Evaluation of Re-Treatment Module in Raystation 2026 Research Version (Deirdre Hutton)		Protocol Review -Optimisation (Brian Lunt)
11:50-12:05	Ruthenium Eye Plaque Radiation Therapy: investigation into radiation safety risk to determine appropriate patient restrictions (Trulani van der Heyde)		Discussion: Implimenting a Protocol Management and Review Programme
12:05-12:20	Turning plan rework into actionable data: A collaborative approach to quality improvement (Siobhan Barnes/Christine Thompson)		Discussion: Implimenting a Protocol Management and Review Programme
12:20-13:20	Lunch		
	<i>Auditorium - Joint Session</i>		
13:20-14:20	Cultural Safety Session (Details to be confirmed)		
14:20-14:35	Untold tales of New Zealand's X-Ray pioneers (Steve Muir)		
14:35-14:50	Panel discussion: How can ROMPs and DIMPS work more closely together (Panel TBC)		
14:50-15:45	Departmental/Speciality Updates (All)		
15:45-16:00	Prize giving and conference closing		