

Day 0: Monday 23rd March 2026		
[Day 2 of Registrar workshop - finishing at 3:00pm]		
15:30-19:00	Welcoming Pōwhiri 3:30pm to 7pm	
Day 1: 24 March 2026, Tuesday		
8:00-8:30	<i>Sponsor Setup</i>	
08:30-9:00	Registration	
<i>Auditorium - Joint Session. Chair Ian Hanson</i>		
9:00-9:15	Welcome by convenors: Ian Hanson and Christine Thompson	
Keynote speaker: Juergen Meyer		
9:15-10:15	Topic: Reirradiation 45 minutes + Discussion	
10:15-10:30	Platinum sponsor presentation: Alpha XRT, Kirsty McLoone - Key Updates in Sun Nuclear Quality Management	
10:30-11:00	Morning Break- in foyer and A+ room	
	Auditorium- Radiation Therapy Planning / Automation Chair: Andy Anderson	Henley room: CT Optimisation Workshop (part 1) Chair: Brian Lunt
11:00-11:15	Clinical Implementation of an Iterative Automation Framework for CyberKnife Prostate SBRT Planning (Ronnie Leung)	11:00-11:10 Introduction: Brian Lunt (10 min)
11:15-11:30	VMAT for Breast and Regional Lymph Nodes: Implementation and Outcomes at Auckland City Hospital (Gerard Bengua)	11:10-11:25 CT Dose basics: CTD _{lair} , CTD _{lw} , CTD _{lvol} , DLP, WED, SSDE, Effective Dose conversion factors, Dose risk (Amritha Ramchandrar) (15 min)
11:30-11:45	Minimising Body Dose in Stereotactic Radiosurgery (Emese Toth)	11:25-11:40 Image Quality and System Performance (Andrew Blair) (15 min)
11:45-12:00	PyRadiomics in RayStation – From Voxels to Value (Andy Anderson)	11:40-11:55 Reconstruction Options (Brett Cunningham) (15 min)
12:00-12:15	Generalisation of AI Trained on Simulated Data for Digital Holographic Interferometry (Aiden Soal)	11:55-12:10 AEC (James Dudson) (15 min)
12:15-12:25	Gold Sponsor presentation: Raysearch - RayStation – Automation for the Future	
12:25 -13:25	Lunch in foyer and A+ room	
<i>Auditorium - Joint Session Chair : Brian Lunt</i>		
Auditorium CT Optimisation Workshop (part 2)		
13:25 - 13:35	Patient positioning : DIMP context (James Dudson/Brain Lunt)	
13:35 - 13:50	Optimising CT for Radiation Oncology (Ruth Smith)	
13:50-14:05	CT Contrast Injection (Steven Muir)	
14:05-14:20	Beam CT Number and Dual Energy Steven Muir	
14:20-14:35	Naeotom Alpha spectral CT: introduction to technology and applications Nicholas Cook	
14:35 - 14:50	CT Artefacts: Types of CT artifacts . Workflow for identifying artifacts by the radiologist/At the scanner. Catalogue of CT Artifact examples (Andrew Blair)	
14:50- 15:20	Afternoon Break- in foyer and A+ room	
<i>Auditorium - Joint Session</i> <i>Chair: Christine Thompson</i>		
15:20-15:30	Gold Sponsor presentation: Varian - Quality Assurance with MaximQA	
15:30 - 15:45	What can the college do for you? (Di Robinson, CEO ACPSEM)	
15:45 - 16:00	RTRSIG: Establishment of a College-wide TEAP training collaboration (Alicia Moggré)	
John Strong memorial lecture: Samantha Holdsworth - Matai institute.		
16:00 - 17:00	From concept to community: Next-generation MRI and the making of Mātai	
Conference Dinner		

18:00- 23:00

Day 2: 25 March 2025, Wednesday

Auditorium - Joint Session Chair Ruth Smith

9:00- 9:10

Gold Sponsor presentation: Elekta - GPU Acceleration in Elekta One: Practical Implications for Clinical Planning

9:10-9:25

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 - Why Millimetres Matter: A Look into Brainlab Radiosurgery Solutions

Auditorium- Radiation Therapy Planning / Automation

Chair: Deirdre Hutton

Henley room: Nuclear Medicine/DIMP Workshop

Chair: James Dudson

09:50- 10:05

The challenges of implementing a single enhanced leaf model across three TrueBeam linear accelerators (Moamen Aly)

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)

10:20- 10:35

SGRT commissioning and clinical implementation experience (Arun Patel)

10:35-11:05

Morning Break- in foyer and A+ room

Auditorium - Joint Session Chair Christine Thompson

11:05- 12:20

Mirror work within the context of cultural safety (Alexis Cameron)

12:20-13:10

Lunch

Auditorium - Radiation Therapy Chair : Gerard Bengua

Henley room: CT Optimisation Workshop (part 3). Chair: Brian Lunt

13:10-13:25

Proton Minibeam Radiation Therapy: Monte Carlo Modelling and Evaluating Equivalent Uniform Dose for Pre-Clinical Applications (Evelyn Yeo)

13:10-13:25

CT Common misconceptions with (Quiz)

13:25 - 13:40

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)

13:25 - 13:40

Protocol Management (Troy Smith)

13:40 - 13:55

Evaluation of Re-Treatment Module in Raystation 2026 Research Version (Deirdre Hutton)

13:40 - 13:55

Protocol Review -Optimisation (Brian Lunt)

13:55 - 14:10

Ruthenium Eye Plaque Radiation Therapy: investigation into radiation safety risk to determine appropriate patient restrictions (Trulani van der Heyde)

13:55 - 14:10

Discussion: Implementing a Protocol Management and Review Programme

Auditorium - Joint Session Chair Laura Ciurlionis

14:10-14:25

Untold tales of New Zealand's X-Ray pioneers (Steve Muir)

14:25-15:15

Departmental/Speciality Updates (All)

15:15-15:30

Prize giving and conference closing

15:30- 15:45

Afternoon tea- in foyer and A+ room