

Clinical Brachytherapy Workshop

September 11-14 2025 (AEST)



| Thursday September 11th | |
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| 8:30 – 8:50 am | Registration |
| 8:50 – 9:00 am | Welcome & Introduction: A/Prof. Joel Poder |
| Session Chairs: | |
| 9:00 – 9:45 am | THURS_1 Building a career in brachytherapy |
| 9:45-10:15am | THURS_2 Brachytherapy is best: Comparison of Techniques (BT, EBRT & charged particles) |
| 10:15-10:45 am | THURS_3 Introduction to radiation safety and protection |
| Morning Tea: 10:45 -11:15 am | |
| Session Chairs: | |
| 11:15 am – 11:45 am | THURS_4 Basic principles of HDR operation and quality assurance |
| 11:45 – 12:25 | THURS_5 Principles of treatment planning, optimisation methods and plan checking |
| Lunch: 12:25 – 1:15 pm | |
| Session Chairs: | |
| 1:15 – 2:20 pm | THURS_6A Prostate Cancer (LDR) |
| Stretch Break: 2:20 – 2:30 pm | |
| Session Chairs: | |
| 2:30 – 3:20 pm | THURS_6B Prostate Cancer (HDR) |
| Afternoon tea: 3:20 – 3:45 pm | |
| Session Chairs: | |
| 3:45 – 4:45 pm | THURS_7 Skin Brachytherapy |
| 4:25 – 5:00 pm | THURS_8_Newall Eye plaque brachytherapy |
| 5:30 – 7:30 pm | Social event: TBD |

Friday September 12th

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| 8:50 – 9:00 am | Welcome to Day 2 |
| Session Chairs: | |
| 9:00 – 10:00 am | FRI_1 Dose calculation and source specification |
| 10:00 – 10:45 am | FRI_2 Radiobiology for brachytherapy |
| Break: 10:45-11:05 | |
| Session Chairs: | |
| 11:05 – 11:45 am | FRI_3 Imaging for brachytherapy |
| 11:45 am-12:15 pm | FRI_4 Clinical applications: Breast. |
| 12:15 pm – 1:45 pm | FRI_5 Paediatric Brachytherapy |
| Lunch: 12:45 – 1:25 | |
| Session Chairs: | |
| 1:30 - 2:00 pm | FRI_6 Clinical applications: Head and neck, intraluminal |
| 2:00 – 2:35 pm | FRI_7A Gynaecological Cancers: Clinical component |
| 2:35 – 3:10 pm | FRI_7B Gynaecological Cancers: Technical Component: |
| Break 3:10 - 3:30 pm | |
| Session Chairs: | |
| 3:30 – 5:00pm | Station 1: Rectal Spacer Insertion Practical Station 2: Breast brachytherapy needle insertion practical Station 3: Intraluminal brachytherapy practical Station 4: U/S image optimisation |

| Saturday September 13th | | | |
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| | Group 1 | Group 2 | Group 3 |
| Annette and St George staff to assist across all groups | | | |
| 8:15 am all delegates and staff assemble St George Cancer Centre for briefing | | | |
| 8:30-9:40 am | Contouring –Prostate and Gynae | 1.HDR unit operation (40 min): User and emergency procedure training 2.General BT equipment overview (30 min) | Planning –Prostate HDR |
| Morning tea 9:40-10:00am | | | |
| 10:00-11.10am | Planning –Prostate HDR | Contouring –Prostate and Gynae | 1.HDR unit operation (40 min): User and emergency procedure training 2.General BT equipment overview (30 min) |
| 11:10am - 12:20pm | 1.HDR unit operation (40 min): User and emergency procedure training 2.General BT equipment overview (30 min) | Planning –Prostate HDR | Contouring –Prostate and Gynae |
| Lunch 12:20-1:10 pm | | | |
| | Group 1 | Group 2 | Group 3 |
| 1:15-2:25 pm | Stepper Stabiliser set-up Mock volume study Practise needle insertion | Planning: Gynaecological planning Vault and Cervix | Planning –Prostate LDR |
| 2:25-3:35pm | Planning –Prostate LDR | Stepper Stabiliser set-up Mock volume study Practise needle insertion | Planning: Gynaecological planning Vault and Cervix |
| Afternoon tea 3:35-4:00 pm | | | |
| 4:00-5:10pm | Planning: Gynaecological planning Vault and Cervix | Planning –Prostate LDR | Stepper Stabiliser set-up Mock volume study Practise needle insertion |

Sunday September 14th: Exam Preparation and Advanced Planning Clinic

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| 9:00 am – 10:30 am | Session 1 (RO): Exam preparation | Group 2 (Physics): <ul style="list-style-type: none"> ◦ Dosimetry formalism for physics ◦ Dose calibration (theory) | Group 3 (RTs) Transabdominal ultrasound and image registration |
| 10:30-10:50: Break | | | |
| 10:50 am- 12:30 pm | Session 2. (RO): TBD | Group 2 (Physics): TBD | Group 3 (RTs) Advanced gyn treatment planning |
| 12.30pm | Finish for ROs and RTs | | |
| 12:30- 1:00pm | Lunch for Physics | | |
| 1:00- 5:00pm | <p style="text-align: center;">Physics Stream A</p> HDR source calibration & QA | <p style="text-align: center;">Physics Stream B</p> Applicator commissioning and eye plaque treatment planning | <p style="text-align: center;">Physics Stream C</p> TPS commissioning and ultrasound calibration |

