



The Royal Australian and New Zealand
College of Radiologists®



A FOUNDATION COURSE IN CLINICAL INTERVENTIONAL ONCOLOGY

What you need to know in day-to-day practice

March 14 – 15, 2019. Melbourne Cricket Ground

Thursday 14 March, 2019.

- 1:30pm **Welcome** Nick Brown (5 mins)
- 1:35pm: **Introduction** Andy Adam (10 mins)
- Four (or five) pillars of cancer treatment
 - Why IO is not 'an optional extra' and what it will take to make it 'mainstream'
- 1.45pm: **BASICS IN ONCOLOGY:**
- BASICS IN CANCER BIOLOGY – HOW CANCERS DEVELOP AND HOW THEY METASTASISE** Melissa Eastgate (15mins)
- POTENTIAL CURE AND THE CONCEPT OF OLIGO METASTATIC DISEASE** Liz Kenny (10mins)
- THE IMPORTANCE OF QUALITY PATIENT CARE AND PATIENT PATHWAYS,** Liz Kenny (10mins)
- 2:20pm: **BASICS IN CANCER TREATMENT: CANCER DRUGS AND RADIATION TREATMENT**
- Chemotherapy and immunotherapy** Melissa Eastgate (20mins)
- The essentials of chemotherapy and immunotherapy
- Radiotherapy – EBR and SABR** Liz Kenny (20mins)
- The essentials of radiotherapy
- 3:00pm Q&A (10 mins)
- 3:10pm: Break
- 3:30pm: **RENAL CELL CARCINOMA**

Pathology Catherine Mitchell (15 mins)

- Pathological subtypes of renal masses and distinguishing features
- Role of biopsy in renal masses

3:45pm: **Treatment options: renal cell carcinoma and metastases**
Surgery: Partial / total nephrectomy Renu Eapen (15mins)
Chemotherapy and immunotherapy for RCC Melissa Eastgate (15mins)
External radiotherapy and SBRT Shankar Siva (15mins)

4:30pm: **The role of IO in renal carcinoma** Andy Adam (20mins)

4:50pm: Q&A (10 mins)

5:00pm: **Sedation and analgesia for IO procedure** Daryl Williams (15mins)

- Types of sedation
- How to assess patients for fitness for sedation
- Essential principles and methods of sedation monitoring

5:15pm: **Post-procedure analgesia** Daryl Williams (10 mins)

- How to manage post-procedural sedation and analgesia

Friday 15 March, 2019

9am: **HEPATOCELLULAR CARCINOMA AND HEPATIC METASTASES**

Pathology: Catherine Mitchell (15 mins)

- Pathology of liver HCC and metastases
- Approach to sampling/biopsy

9:15am: **Treatment options: HCC and liver metastases**
Surgery: Basic techniques and outcomes Graham Starkey (15mins)
Chemotherapy and immunotherapy Melissa Eastgate (15mins)
External radiotherapy and SBRT David Pryor (15mins)

10.00am: **The role of IO in liver malignancy** Costi Sofocleous (20mins)

- Biopsies
- Liver-directed therapies
- Percutaneous ablation

10:20am: Q&A (10 mins)

10:30am **Morning Tea**

11am **LUNG CANCER**

Lung cancer pathology: Catherine Mitchell (15mins)

- Basics of subtypes
- Tissue sample considerations:
 - Transbronchial, Percutaneous, FNA v Core Biopsy, liquid biopsy

- 11:15am **Treatment options for lung cancers: primary and metastases**
- **Surgery:** Basic techniques and outcomes Gavin Wright (15mins)
 - **Chemotherapy and immunotherapy:** Melissa Eastgate (15 mins)
 - **External radiotherapy and SBRT:** David Ball (15 mins)
- 12 noon **The role of IO in lung cancer** Costi Sofocleous (20mins)
- IO Techniques and when to use them
 - Lung biopsy
- 12:20pm Q&A (10 mins)
- 12:30pm: **Lunch**
- CLINICAL PRACTICE**
- 1.15pm: **Clinical practice in IO** Andy Adam (20 mins)
- How to run an outpatient clinic
 - Admitting rights (and how to get them), consultations and follow-up
- 1:35pm: **Research in IO** Nick Brown (20 mins)
- Future roles and research projects
 - Collaboration with radiation oncology
- 1:55pm: Close