ADPHA CPD

Extension Seminar in Haematology

SEMINAR

Program

Self-paced learning package: Available from Friday 19 July 2024

Topic and presenters		Learning objectives
Diagnostic tests and cellular therapies	**Diagnostic tests** **Dr Tamasine Stewart,** Haematology Laboratory Registrar, Peter MacCallum Cancer Centre and Royal Melbourne Hospital, Melbourne, Vic	• Describe the different methodologies used in diagnosing haematological malignancies • Explain the principles of fluorescence in situ hybridisation (FISH) and next generation sequencing (NGS) • Explain the diagnostic tests required for establishing the diagnosis of haematological malignancies, focusing on acute leukaemia
	CAR T-cell therapy **Dr Mark Dowling,** *Cellular Therapies Fellow, Victorian Cancer Agency Mid-Career Fellow, Peter MacCallum Cancer Centre and Royal Melbourne Hospital, Melbourne, Vic*	• Describe the complex logistics involved in delivering CAR T-cell therapy • Describe the standard-of-care indications for CAR T-cell therapy in Australia • Overview the pivotal trials and expected outcomes in the approved indications • Describe the pathophysiology and management of common CAR-T related toxicities, including cytokine release syndrome (CRS) and immune effector-cell associated neurotoxicity syndrome (ICANS)
	BMT **Dr Ray Mun Koo,** *Bone Marrow Transplant Fellow, Clinical Haematology, Peter MacCallum Cancer Centre and Royal Melbourne Hospital, Melbourne, Vic*	• Describe the basic principles of haematopoietic stem cell transplantation • Explain the indications of haematopoietic stem cell transplantation. • Explain the basic principles of

		conditioning therapy for haematopoietic stem cell transplantation • Identify the most common toxicities of haematopoietic stem cell transplantation
Non-malignant haematological disorders	**Immune thrombocytopenia** **Isaac Goncalves,** *Consultant Haematologist, Peter MacCallum Cancer Centre and Royal Melbourne Hospital, Melbourne, Vic*	• Describe the pathophysiology and diagnosis of immune thrombocytopenia • Compare the efficacy and safety of treatment options for immune thrombocytopenia
	Haemophilia **Antoinette Runge,** *Haematologist RBWH haemophilia unit*	• Describe pathophysiology of haemophilia, including the role of clotting factors and their deficiencies • Understanding the different type haemophilia (A, B etc) and their respective genetic causes • Discuss haemophilia management including prophylactic and emergency treatment strategies
Acute Myeloid Leukaemia (AML)	**Overview of Acute Myeloid Leukaemia** **Dr Andrew Wei**, *Stream Leader- Acute Leukaemia and MDS, Peter MacCallum Cancer Centre and Royal Melbourne Hospital, Melbourne, Vic*	• Describe the pathophysiology of acute myeloid leukaemia • Assess the prognostic impact of relevant cytogenetics or • molecular mutations of acute myeloid leukaemia

	Management in young and fit patients **Ashish Bajel,** *Disease Group Co-Lead – Acute Leukemia and MDS, Peter MacCallum Cancer Centre and Royal Melbourne Hospital, Melbourne, Vic*	• Explain treatment paradigm for acute myeloid leukaemia (AML) in young and fit patients • Describe the most commonly used treatment regimens for AML and their place in therapy
	Management in older or unfit patients **Ashish Bajel,** *Disease Group Co-Lead – Acute Leukemia and MDS, Peter MacCallum Cancer Centre and Royal Melbourne Hospital, Melbourne, Vic*	• Identify limitations of AML treatment in older/unfit patients • Describe treatment options for patients unfit for standard • induction • Describe the most commonly used regimens for AML and understand their place in therapy
Acute Lymphoblastic Leukaemia (ALL)	**Acute Lymphoblastic Leukaemia Biology and Diagnosis** **David Yeung,** *Haematologist, Royal Adelaide Hospital; Research Fellow, South Australian Health and Medical Research Institute, University of Adelaide, Adelaide, SA*	• Understand the basic clinical presentation of acute lymphoblastic leukaemia • Appreciate the principles of disease risk stratification and how this affect treatment decisions
	ALL overview and management of ALL in young and fit patients **Dr Shaun Fleming,** *Clinical & Laboratory Haematologist, Alfred Health, Melbourne, Vic*	• Describe of the pathophysiology of acute lymphoblastic leukaemia • Appreciate the principles of disease risk stratification and how this affect treatment decisions • Understand treatment paradigm for acute lymphoblastic leukaemia in young and fit adult patients • Detail common complications from intense treatment regimens for acute lymphoblastic leukaemia

	Management of ALL in older or unfit patients **Dr Shaun Fleming**, *Clinical & Laboratory Haematologist, Alfred Health, Melbourne, Vic*	• Understand treatment paradigm for acute lymphoblastic leukaemia in older or unit patients not appropriate for AYA protocols. • Describe the most commonly used regimens and understand their place in therapy Recognise limitations of treatment in older/unfit patients
Lymphoma	**Diffuse large b-cell lymphoma** **Dr Nick Murphy,** *Consultant Haematologist, Royal Hobart Hospital, Tas*	• Describe the pathophysiology of relapsed/refractory Diffuse Large B-cell Lymphoma (DLBCL) • Describe poor prognostic factors for DLBCL • Understand treatment options and approaches for RR DLBCL in Australia • Recognise emerging therapies in RR DLBCL
	CNS lymphoma Dr Aarya Murali, *Advanced trainee Haematology Princess Alexandra hospital, Qld*	• Pathophysiology of CNS lymphoma including primary and secondary • Diagnosis and work up for CNS lymphoma • Principles of management and emerging therapies
Relapsed/refractory Multiple Myeloma	**Prognosis** **Dr Michael Low,** *Consultant Haematologist, Myeloma Lead & Head of Haematology training, Monash Health; Director of Physician Education Casey Hospital, Melbourne, Vic*	• Describe the disease course of myeloma • Explain when to treat patients with multiple myeloma • Describe poor prognostic factors for multiple myeloma • Recognise the impact of treatment response on prognosis

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	Treatment of relapsed/refractory multiple myeloma **Dr Michael Low,** *Consultant Haematologist, Myeloma Lead & Head of Haematology training, Monash Health; Director of Physician Education Casey Hospital, Melbourne, Vic*	• Identify factors that impact treatment selection for patients with relapsed/refractory multiple myeloma • Rationalise combination therapy options based on mechanism of action • Evaluate different combination therapy treatment options for relapsed multiple myeloma • Recognise the role of BCMA targeting therapies and CAR-T in the treatment of relapsed/refractory multiple myeloma
Supportive care and toxicities	**Supportive care in acute leukaemia** **Philip Selby,** *Senior Clinical Pharmacist, Haematology, Royal Adelaide Hospital; PHD Candidate, University of Adelaide, School of Medicine*	• Recognise supportive care requirements in patients undergoing treatment for acute leukaemia • Recognise and understand how to manage potential drug interactions, problematic toxicities and practical issues with supportive care medications in acute leukaemia • Briefly describe differing supportive care requirements with different acute leukaemia treatment regimens
	Supportive care in bone marrow transplant **Shevon Fernando,** *Senior Haematology Pharmacist, Alfred Health, Vic*	• Explain the reasons supportive care is needed in bone marrow transplant. • Describe the role of antimicrobial prophylaxis in bone marrow transplant and the therapeutic agents utilised. • Outline preventative strategies for mucositis, neutropenia, hepatic sinusoidal obstruction syndrome in bone marrow transplant. • Discuss the principles of graft versus host disease and the therapeutic agents utilised for its prevention

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Live seminar: Saturday 31 August 2024

All times listed are in AEST

Time (AEST)	Session
0850-0900	**Online login available**
0900-0910	**Welcome, introduction, housekeeping** **Maggie Chau,** *Clinical Pharmacist, Pharmacy Department, The Royal Melbourne Hospital, Vic* **Kristoffer Johnstone,** *Advanced Pharmacist and Team leader - Cancer Care, Cairns Hospital, Cairns, Qld*
0910-0940	**Review of self-paced learning package material and Q&A** **Maggie Chau,** *Clinical Pharmacist, Pharmacy Department, The Royal Melbourne Hospital, Vic* **Kristoffer Johnstone,** *Advanced Pharmacist and Team leader - Cancer Care, Cairns Hospital, Cairns, Qld*
0940-1100	**Case session 1: AML** **Led by: Maggie Chau,** *Clinical Pharmacist, Pharmacy Department, The Royal Melbourne Hospital, Vic*
1100-1115	**Case session 1: Recap and Q&A** **Led by: Maggie Chau,** *Clinical Pharmacist, Pharmacy Department, The Royal Melbourne Hospital, Vic*
1115-1130	**Break**
1130-1245	**Case session 2: Haemophilia** **Led by: Kristoffer Johnstone,** *Advanced Pharmacist and Team leader - Cancer Care, Cairns Hospital, Cairns, Qld*

1245-1300	**Case session 2: Recap and Q&A** **Led by: Kristoffer Johnstone,** *Advanced Pharmacist and Team leader - Cancer Care, Cairns Hospital, Cairns, Qld*
1300-1330	**Lunch Break**
1330-1430	**Case session 3: CNS lymphoma** **Led by: Kristoffer Johnstone,** *Advanced Pharmacist and Team leader - Cancer Care, Cairns Hospital, Cairns, Qld*
1430-1440	**Case session 3: Recap and Q&A** **Led by: Kristoffer Johnstone,** *Advanced Pharmacist and Team Leader - Cancer Care, Cairns Hospital, Cairns, Qld*
1440-1540	**Case session 4: RR Multiple myeloma** **Led by: Vivian Day,** *Advanced Pharmacist and Team Leader - Cancer Care, Royal Brisbane and Women's Hospital, Brisbane, Qld*
1540-1550	**Case session 4: Recap and Q&A** **Led by: Vivian Day,** *Advanced Pharmacist and Team Leader - Cancer Care, Royal Brisbane and Women's Hospital, Brisbane, Qld*
1550-1600	**Break**
1600-1645	**Recap and Q&A with competition quiz** **Maggie Chau,** *Clinical Pharmacist, Pharmacy Department, The Royal Melbourne Hospital, Vic* **Kristoffer Johnstone,** *Advanced Pharmacist and Team leader - Cancer Care, Cairns Hospital, Cairns, Qld*
1645-1650	**Close of live virtual seminar**

Please note: presentation recordings from the live virtual seminar will not be available.

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