



Principles of CAR-T

Monday 16 - Tuesday 17 November 2020

Overview

The Christie NHS Foundation Trust is one of a small number of specialist centres able to deliver this therapy.

This course has been designed to meet the needs of all those with an interest in knowing more about this specialist treatment.

Key Topics

- CAR-T in haematological malignancies
- Ethics and consent in CAR-T
- T-Cell journey
- Management of CAR-T toxicities

Fees

£80 (course only—Live Stream)

£80 (course only—Christie staff on-site)

£400 (course plus academic credits—Christie staff on-site)

£400 (course plus academic credits—Live Stream)

Register: <https://principles-of-cart-soo.eventbrite.co.uk>

Option to
complete as a
5 Credit Masters
Level Unit with the
**University of
Manchester.**

The Christie School of Oncology is a recognised leader in the provision of education and training.



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Principles of CAR-T

Unit Content

Day One – Key concepts of CAR-T

- Introduction to CAR-T and mechanisms of action
- T-Cell Journey (from lymphocyte collection, manufacture and infusion)
- Horizon scanning of CAR-T therapy in solid tumours
- CAR-T therapy in haematological malignancies
- Considerations in patient selection for CAR-T therapy
- Ethics and consent in CAR-T
- Psychological considerations in CAR-T patients

Day Two – Toxicity of CAR-T

- Cytokine Release Syndrome
- Role of ICU in managing complications of CAR-T
- Neurological Toxicity
- Infective Complications
- Haemophagocytic Lymphohistiocytosis (HLH)
- Post treatment follow up
- Patient Experience

Who is this unit for?

- General Haematology Ward Nurses
- Stem Cell Transplant/Cellular Therapy Nurses
- ICU Nurses

Keynote Speakers

Dr Amit Patel - Consultant in Haematology Oncology, The Christie NHS Foundation Trust

Dr Manon Pillai - Consultant Medical Oncologist, The Christie NHS Foundation Trust

Orla Stewart - Lead Haematology Nurse, Kings College Hospital NHS Foundation Trust

Meet the Clinicians



Jo works as a Nurse Clinician (Advanced Nurse Practitioner) at The Christie where she has worked with patients with haematological malignancies for over 15 years. She has worked in accident and emergency departments in the UK and overseas, in addition to a specialist haematology-oncology unit in London. In 2015 Jo became the Clinical Services Manager for the haematology, teenage and young adults (TYA) and endocrinology directorate and has had a pivotal role in setting up the Christie CAR-T service.

Jo has an in depth knowledge of haematological malignancies and uses advanced clinical skills in the management of patients. Jo is the clinical lead on the Principles of Haematology Oncology Module at the University of Manchester. She has a clinical interest in acute leukemia's, TYA and CAR-T.

Jo Tomlins - Advanced Nurse Practitioner, The Christie NHS Foundation Trust



Jo is supported in the clinical delivery of this course by Ruth Clout who has worked in the area of haemato-oncology for 19 years who joined the Christie in 2006, taking on the role as Clinical Practice Facilitator for haematology in 2011. Ruth works clinically with staff and is responsible for the development of induction, education and continuing professional development of nursing staff within haematology, transplant and TYA services at the Christie. Ruth also works closely with the School of Oncology organising national haematology events for nurses and AHPs. More recently Ruth has been extensively involved in the establishment of training for nursing staff on CAR-T therapy at the Christie.

Ruth Clout - Clinical Practice Facilitator, The Christie NHS Foundation Trust.

Agenda – Principles of CAR-T

Monday 16th November 2020

Day 1

09:00 Day 1 - Registration & Coffee

09.20 Welcome and Introduction - *Day 1 CAR-T*

09.30 Introduction to CAR T/Advanced Therapies: Structure/mechanism of action
Jo Tomlins - Clinical Services Manager, The Christie NHS FT

10.00 T Cell Journey: Process of T-cell collection and Manufacture - chain of identity/traceability
Rita Angelica - Clinical Nurse Specialist, The Christie NHS FT

10.30 Advanced Cellular /CAR T Therapies for blood cancers: Horizon scanning and current use
Dr Amit Patel - Lead Consultant in Cellular / CAR T Therapies, The Christie NHS FT

11.15 Coffee Break

11.45 Advanced Therapies in Clinical Trials: Horizon scanning of CAR T therapy on solid tumours
Dr Manon Pillai - Consultant Medical Oncologist, The Christie NHS FT

12.30 Ethics and Consent in CAR T
Dr Anna Castleton - Consultant in Haematology Oncology, The Christie NHS FT

13.15 Lunch

14.00 Psychological impact of relapsed disease
Surabhi Chaturvedi - Psychotherapist Counsellor, Kings College Hospital NHS FT

15.00 Nursing issues in Lymphodepletion (ambu) and cell infusion - practical
Ruth Clout - Senior Clinical Practice Facilitator, The Christie NHS FT

15.30 Coffee Break

15.45 Ambulatory Care: CAR T patients (TYA)
Hanna Simpson - Clinical Liaison Nurse Specialist Team Leader for Teenagers and Young Adults with Cancer, The Christie NHS Trust

16:30 Close of day 1

Agenda – Principles of CAR-T

Tuesday 17th November 2020

Day 2

09:00 Day 2 - Registration & Coffee

09.20 Welcome and Introduction - *Day 2 Managing Acute Toxicities of Treatment*

09.30 Cytokine Release Syndrome and TLS

Dr Adam Gibb - Speciality Doctor Medical Oncology, The Christie NHS FT

10.15 Role of critical care in managing CAR T complications

Dr Anthony Wilson - Consultant in Anaesthesia and Critical Care, Manchester University NHS FT

11.00 Coffee Break

11.30 Neurological Toxicity

Jo Tomlins - Clinical Services Manager, The Christie NHS FT

12.00 Haemophagocytic Lymphohistiocytosis (HLH)

Dr Amit Patel - Consultant in Haematology Oncology, The Christie NHS FT

12.30 Lunch

13.30 Overview of toxicities and infective complications

Ruth Clout - Senior Clinical Practice Facilitator, The Christie NHS FT

14.00 Post 30 day care

Orla Stewart - Lead Haematology Nurse, Kings College Hospital NHS FT

14.45 Coffee Break

15.00 Patient Experience

15:30 Close of day 2

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This event is supported by the following companies . They have had no input into the agenda or selection of topics or speakers.

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