

Workshop Session



JACIE Inspection Process

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Reflections on Advanced Therapy in NHS – Role of JACIE

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Introduction

- What is JACIE?
- Immune effector cells [IEC]
- IEC and JACIE





The Newcastle upon Tyne Hospitals

- Joint Accreditation Committee for ISCT and EBMT
 - Internationally agreed standards of care for bone marrow transplantation
 - Clinical
 - Collection
 - Processing
- 4 yearly cycle
- Peer review
- No legal authority



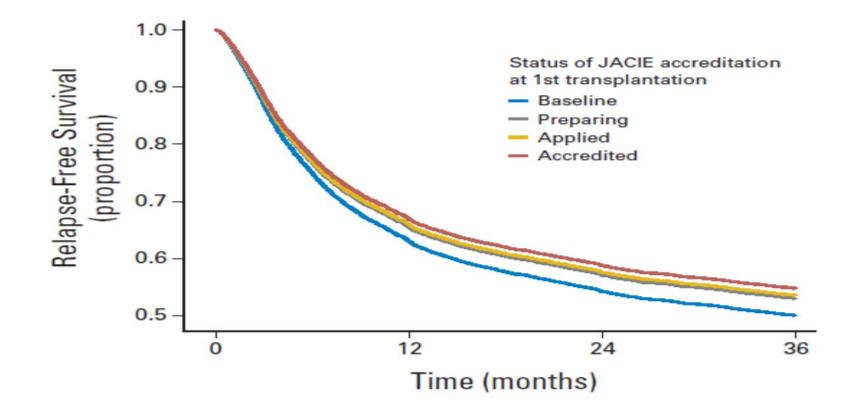
Who Cares?



Who cares?

- Demonstrates best practice
- Improves patient outcomes
- Demonstrates quality service
 - Patients
 - Researchers
 - Pharma
 - Commissioners







Demonstrating JACIE compliance

- Quality Management system
 - What should we do?
 - Do we do what we said we would?
 - Are we keeping practice up to date?



Demonstrating JACIE standards

- Quality Management system
 - What should we do?
 - Policies and procedures
 - Q pulse
 - Do we do what we said we would?
 - Patient outcome
 - Audits
 - Deviations
 - DATIX
 - M+M meetings
 - Are we keeping practice up to date
 - Review all policies every 2 years
 - National policy changes
 - Clinical trials



JACIE and IEC

- Version 6.01 first standards to include IEC
- Currently version 7 standards



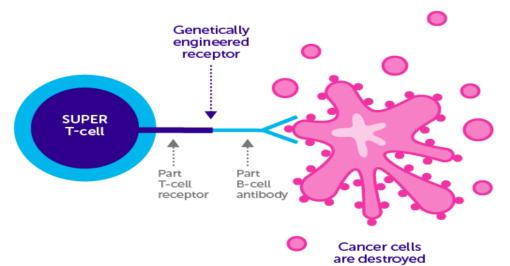
Immune effector cells

- Any cellular therapy product used to modulate an immune response for therapeutic intent
 - dendritic cells
 - natural killer cells
 - B cells
 - T cells
 - Donor lymphocyte infusions
 - Viral specific T cells e.g. EBV
 - Chimeric antigen receptor T cells (CAR-T cells)



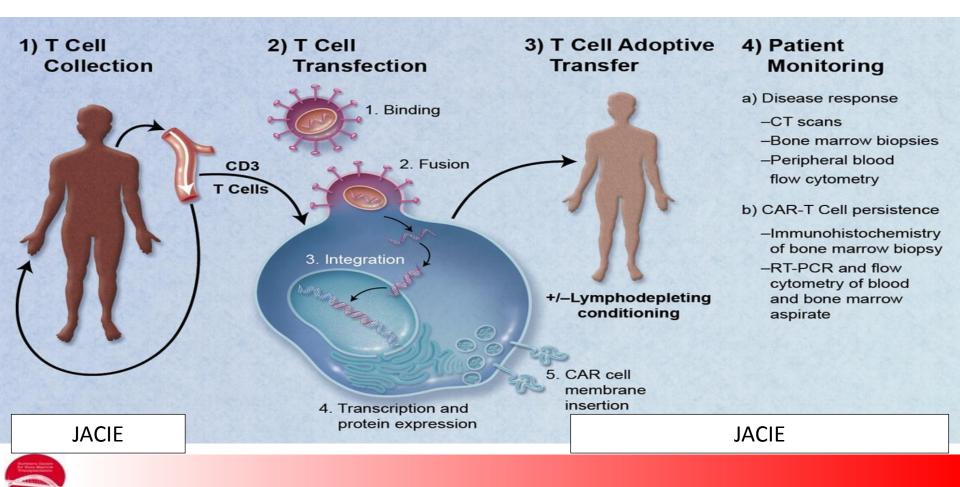
Chimeric Antigen receptor (CAR)-T cells

SUPER T-CELL KILLING MACHINES



https://scienceblog.cancerresearchuk.org/2016/01/19/engineering-a-cancer-fighting-immune-super-soldier/





JACIE IEC standards

- 43 specific IEC standards
 - Chain of custody
 - Toxicity management
 - Clinical network
 - SOPs
 - Staff training
 - Quality management system
 - Outcome follow up and reporting



NCCC JACIE experience

- 43 specific IEC standards
 - Chain of custody
 - Toxicity management
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The Newcastle upon Tyne Hospitals

Clinical network

Consultant Haematologists

Regional / national colleagues

MDT

Middle grade and junior doctors

Consultant Neurologist

Aphere*s*is team

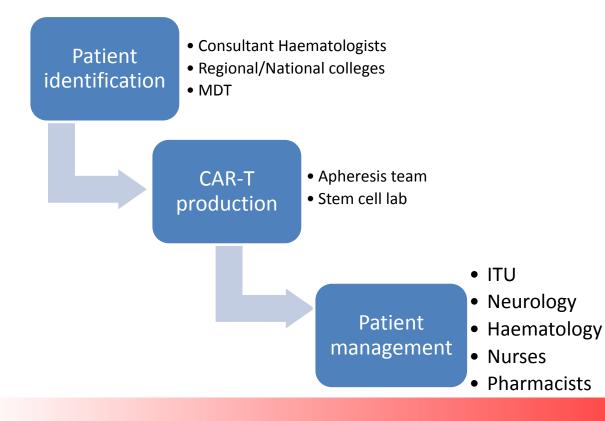
ITU nurses

Consultant intensivists **Haematology nurses** Stem cell Lab *Quality*

manager

Pharmacists

Clinical network





NCCC JACIE experience

• SOPs

~ 20 new policies for adult clinical team alone

- Training
- Training
- Training



Standard example

 The Clinical program shall establish and maintain policies relating to the management of toxicities of immune effector cellular therapies, including cytokine release syndrome and central nervous system complications.



Evidence

- CRS and CRES management policy
- CRS assessment tool
- CRES assessment tool
- Patient information leaflet
- ITU transfer policy
- ITU and neurology communication pathway
- Pharmacy policy for Tocilizumab administration
- Education session slides
- Electronic policy acknowledgement



JACIE Summary

- Internationally agreed set of standards relating to cellular therapy products
- Standards 6.01 first to include immune effector cells [IEC] e.g. CAR-T cells
- In the UK all CAR-T centres must be compliant with the JACIE 6.01 standards
- Demonstrating compliance requires a quality management system and team approach
 - specific policies outlining how the standards are met
 - robust evidence to ensure these policies are followed

