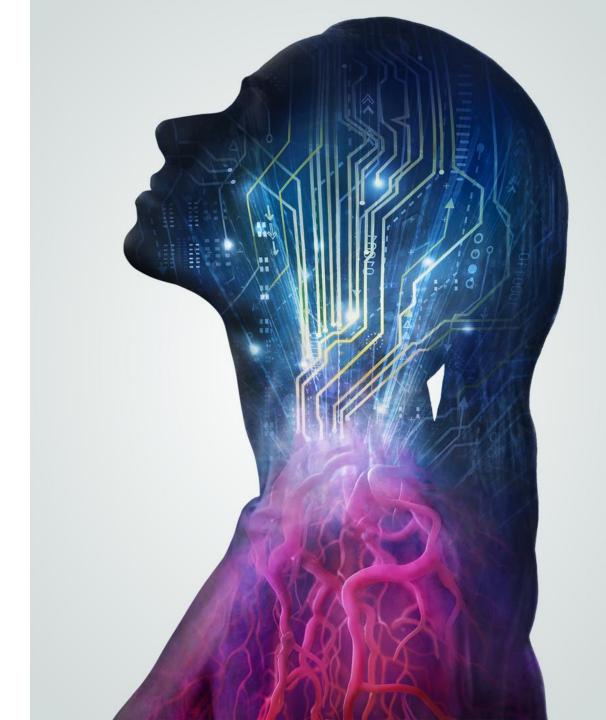


Anticipating the Exceptional Release Bottleneck

Jessica Eisenstatt

Yoonji Preville



Background

- In this accelerated world of cell and gene therapy development, out of specification events at release are likely to occur.
 - Potential sources of OOS include starting material variability, raw materials used, manufacturing process consistency, microbial contamination, and analytical test method integrity.
- It is critical to have a harmonized and rapid process across functions to ensure continuity in providing life-saving treatments to patients in clinical trials.

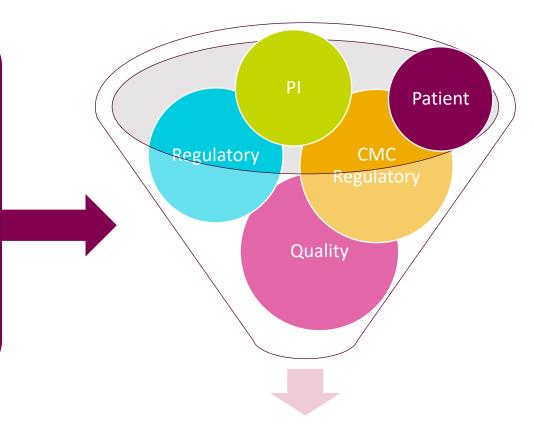
Internal Stakeholders	External Stakeholders
Quality	Patient
Manufacturing	Study Physician/Clinical Lead
Process Development	Principal Investigator
Regulatory Affairs	☐ Treating Physician
CMC Regulatory Affairs	☐ Health Authorities



What Causes the Bottleneck?

Common Challenges

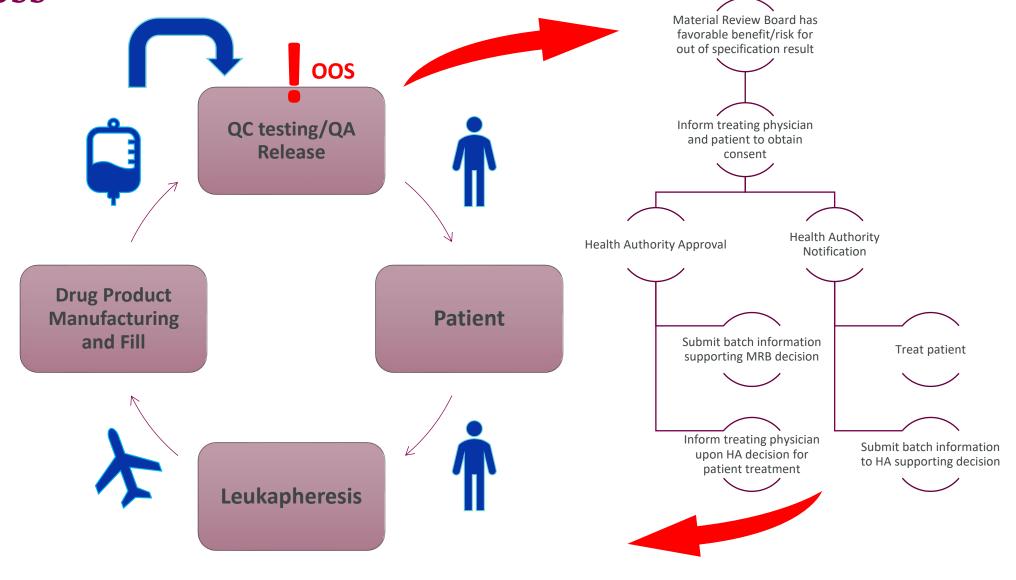
- Material Availability: Autologous CAR-T
- Time constraints: Need for rapid internal action to release investigational medicinal product
- No standardized process to address health authority requirements
- No harmonization of cross functional teams to enable streamline process



Establish a standard procedure to act rapidly on releasing investigational medicinal product without compromising quality and ensuring patient safety



Process





Summary

Timely release of safe and efficacious material to the patient Rapid standardized process **Involves key stakeholders** Considers health authorities notification vs approval Centers around patient safety and regulatory compliance



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- Out of Specification Advanced Therapy
 Medicinal Products Guidance for
 Healthcare Organisations, Pan UK
 Pharmacy Working Group for ATMPs
 (NHS)
- Guidelines on Good Manufacturing
 Practice specific to Advanced Therapy
 Medicinal Products (EMA)



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