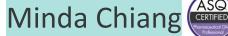
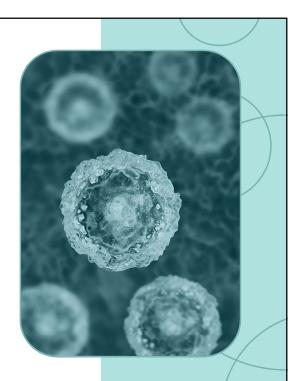
## **Quality Considerations** in Cell Banks









### **Hong Kong Society for Quality**



not-for-profit organization, formed in 1986

to be a Hub in Hong Kong and the Region for learning and sharing of knowledge in Quality, Innovation and Best Practices, as well as for facilitating development of a Quality and Innovation Culture

to promote greater awareness of quality evolution in Hong Kong and the Region for ensuring product and service excellence through continuous improvement of quality and customer satisfaction, and to provide continuing education to professionals involved in the quality, reliability and innovation disciplines

### **Minda CHIANG**



a Certified GMP Professional in pharmaceutical manufacturing operations, with specialization in quality assurance of sterile drug manufacturing and cell banking in a GMP environment

significant experience in leading for initial certification for GMP, AABB and FACT standards, and continuous improvement

developed and conducted training and education extensively on quality subjects and GMP requirements

the first woman in Hong Kong elected fellow membership in ASQ & HKSQ

human cells, tissues, and cellular and tissue-based products (HCT/Ps)

articles containing <u>human cells or tissues</u>
 that are intended for transplantation,
 infusion, or transfer into a <u>human</u>
 <u>recipient</u>, e.g., bone, skin, heart valve,
 cornea, <u>hematopoietic progenitor cells</u>
 (HPC) derived from bone marrow,
 <u>peripheral blood and cord blood</u>





#### manufacture

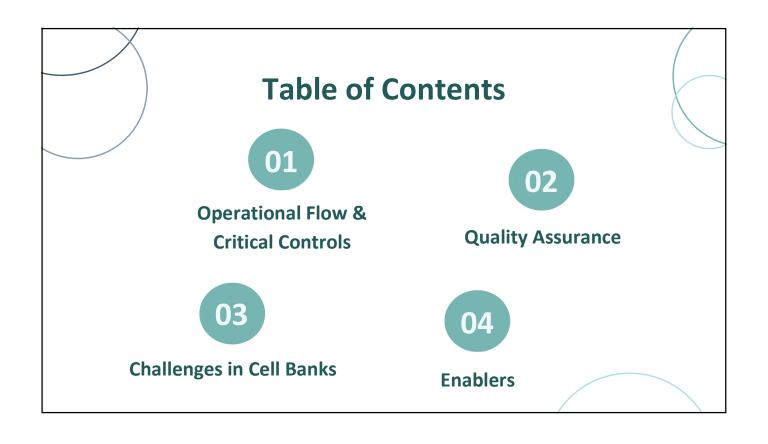
o means, but is not limited to, any or all steps in

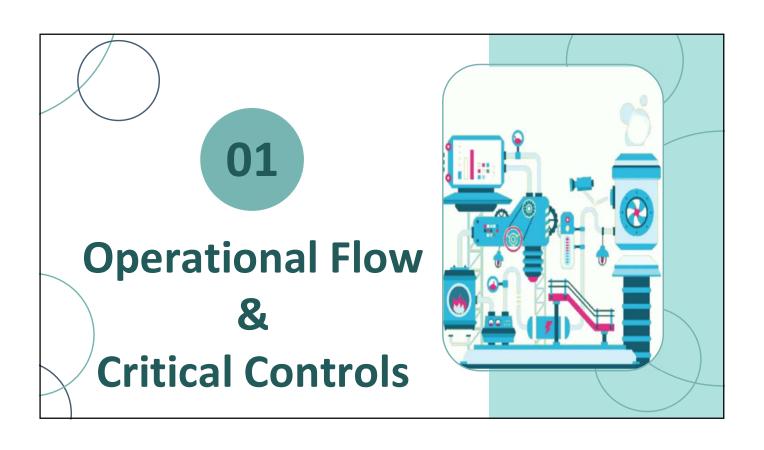
·

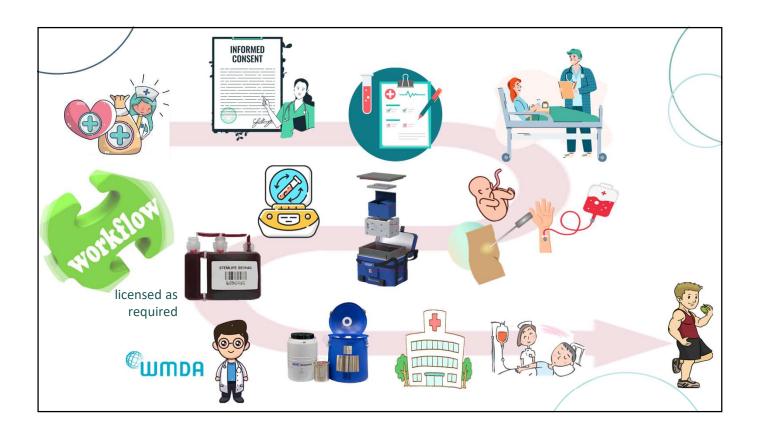
- recovery,
- processing,
- packaging,
- labeling,
- storage,



- testing of cell or tissue products
- o can also include screening/testing of donor
- o not include procurement

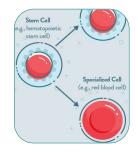




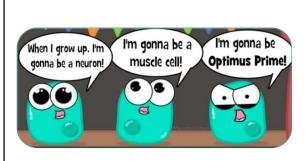


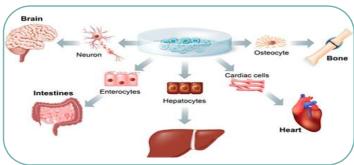
### **Cellular Therapy Products**

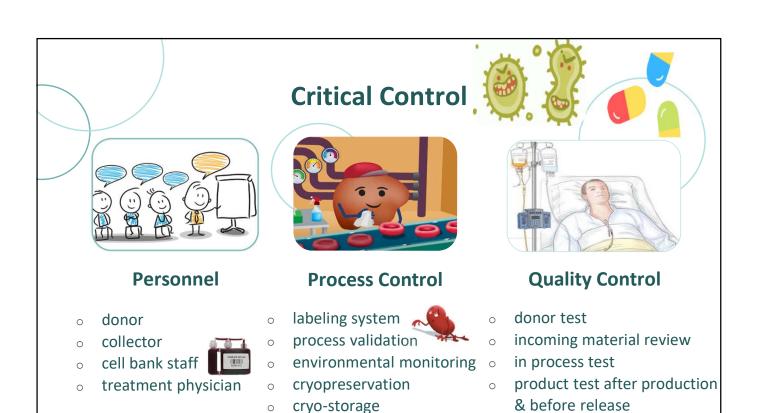




contain living human cells and intended for use in patient treatment







### **Critical Control**



- training for collecting health questionnaire accurately
  - to maintain goodwill and trust & to ensure blood/ tissue safety
    - demonstrate welcome, appreciate, respect and sex-positivity



"Hi, I'm Jane and my pronouns are she and her. How would you like to be addressed?"

> "That sounds really tough. I'm so sorry you had that experience."



# Accreditation Programs GMP, AABB, AATB, FACT, ISO 15189, ISO 20387, CAP





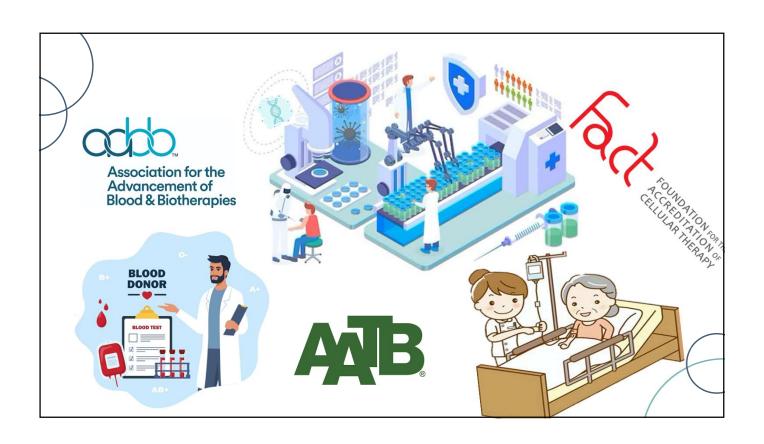














#### **Release of Protected Information**



- reason of the request
- whom (name, address and contact)
   the information be released to
- type of information to be released
- identity of information (name & identity of donor/ patient)
- approval of Medical Director for release of protected information
- o when and what information released; who released
- when and who received the information

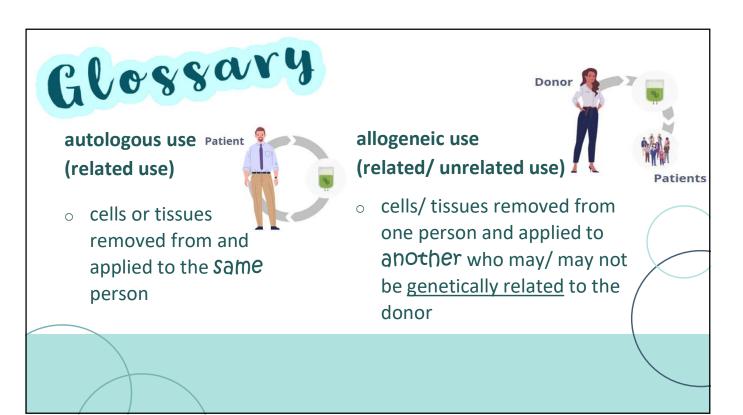


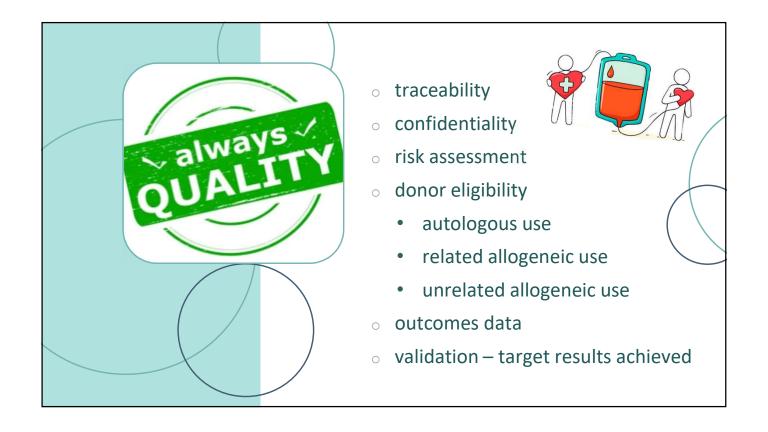
- traceability
- confidentiality

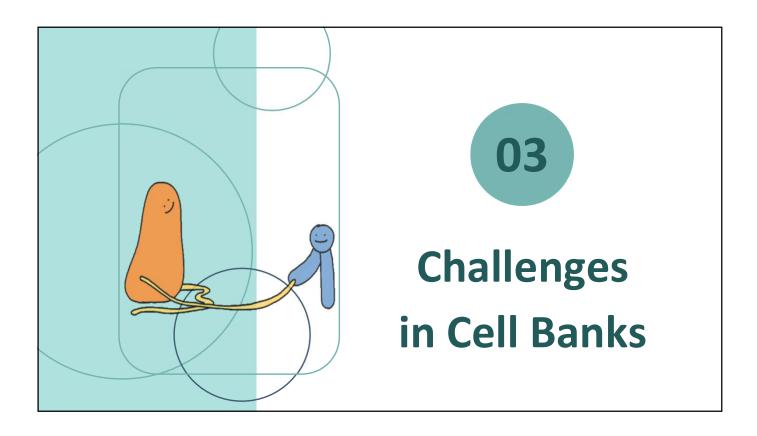


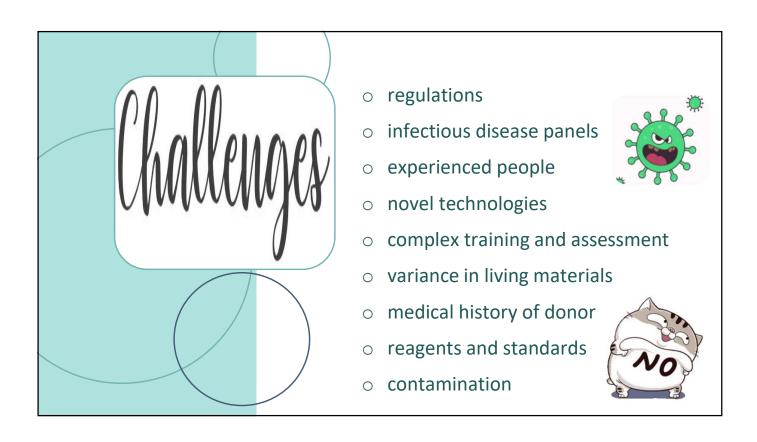
- donor eligibility
  - autologous use
  - related allogeneic use
  - unrelated allogeneic use





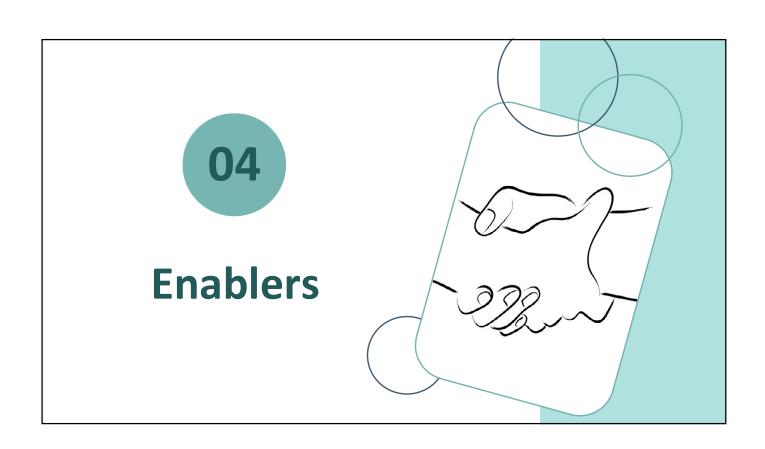








- processing facility
- outsourced activities
- validation
- o release time for cell products
- expiration date
- o outcome data
- outcome data analysis, especially for dual unit administration

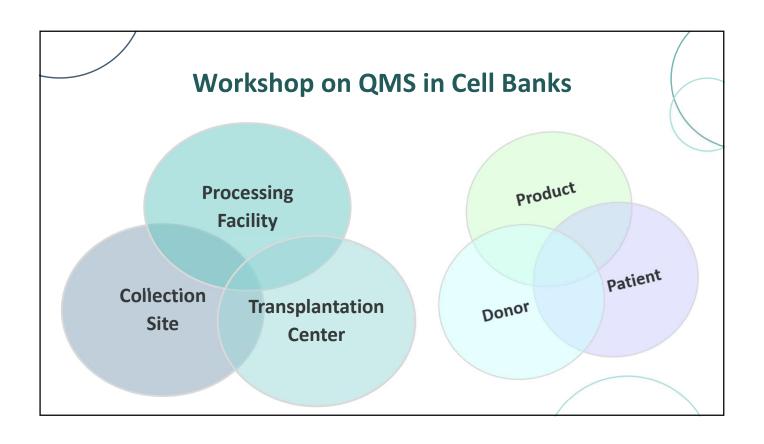


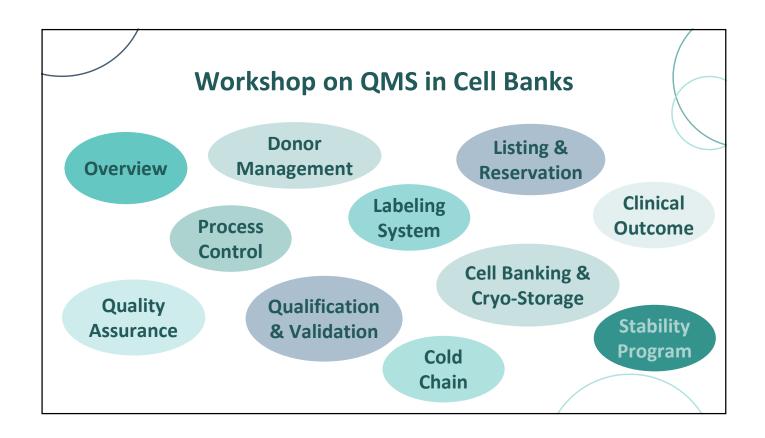


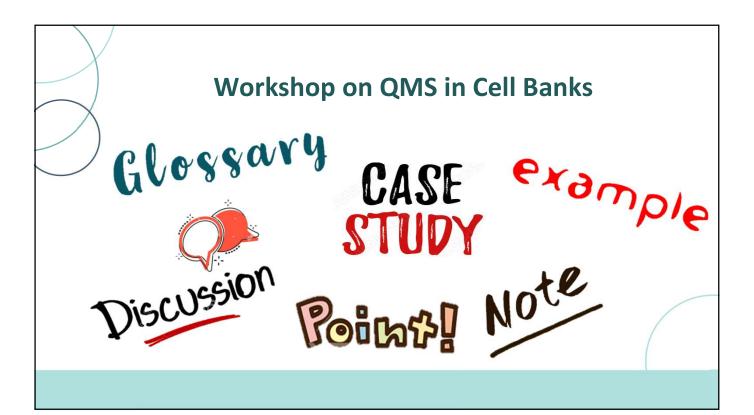
### Workshop on QMS in Cell Banks

- ensure all operations are performed in a consistent manner in order to ensure
  - the quality, safety, and potency of units collected, and products banked, stored, and released for clinical use









### Workshop on QMS in Cell Banks

- to introduce quality system of cell bank for collecting, manufacturing, storing and releasing human cells, tissues, and cellular and tissue-based products (HCT/P's)
- to understand the evaluation of donor-eligibility
- o to explore the measures taken to produce safe and high quality of HCT/P's

# Attention

a drug shall be deemed adulterated if
the methods used in, or the facilities or
controls used for, its manufacture,
processing, packing, or holding do not
conform to or are not operated or
administered in conformity with current
good manufacturing practice to assure the
safety, identity, quality, purity and strength

