



MINISTÈRE
DES ARMÉES

EBA Webinar

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Overview of whole blood program

➤ Launched in 2018

- CS-FWB was still on the list of authorized products in France
- However:
 - No medical device was authorized to process it
 - No guidelines described its indications

➤ Approval of the medical device

- Imuflex SP (Terumo BCT)
- In vitro studies assessing:
 - Conformity of the CS-FWB according to French regulation
 - Quality of RCCs derived from 7-day stored CS-FWB

➤ Guidelines and clinical trial

- Use in military settings according to French Military Medical Service Guidelines
- Use in civilian settings for patients included in the STORHM clinical trial

➤ First delivery and transfusion

- June 2021 in overseas operation
- November 2021 in the STORHM study





Lessons learned

- **Requires the involvement of all the actors from transfusion medicine**
 - Donors: call out for O RH1 with low titer
 - Blood collection – Preparation: selection criteria and coordination to filter within 12 hours
 - Blood donation screening: indicator for screening completed in less than 48h
 - Healthcare workers (nurses, physicians)
 - Regulatory authorities
 - Learned Societies
- **Providing the current best standard of care is a key success driver**
- **Daily management is highly feasible for (our) blood establishment**



Topic which needs special attention for the implementation of whole blood

- **Establish guidelines of utilisation and implement them in practices**
 - “first blood product to transfuse in emergency for massive hemorrhage patient”
 - Teaching and training
 - Provide evidences
 - From previous studies
 - By recording every transfusion in order to analyse properly the use
- **Mobilisation of the blood collect chain**
 - Promotional campaign
 - Training for medical interview:
 - Selection of supposed “low-titer”
 - Provide clear objectives, regularly re-assessed
- **Cost-effectiveness and clinical effectiveness**



Use of whole blood as an emergency preparedness product

- **Highly desirable for the management of massive hemorrhage**
- **Will help to provide red cells – platelets and plasma in the right timeline in emergency situations**
- **Implementation of warm fresh whole blood from blood donor panel need to be considered**