Who we are

- Funded by the Royal British Legion until 2021
- Supported by Imperial College London and the Ministry of Defence
  - Military staff embedded
- An interdisciplinary research centre
- Stakeholders at the core

**Medicine**
- Injury Profiles
- Clinical Outcome
- Markers of poor prognosis

**Science**
- Blast physics
- Advanced diagnostics

**Engineering**
- Physical simulations
- Computer models
What we set out to do

• Improve the mitigation of injury
• Advance treatment, rehabilitation and recovery
  • Increase lifelong health and quality of life after blast injury
• Influence policy / standards
• Learn lessons from the recent wars
Research Strategy

- Blast injury
  - Biological assays
  - Imaging
  - Clinical data
- Medicine
  - Computational models
  - Physical models
- Engineering
- Science
- Pathophysiology
- Rehabilitation
- Medical treatment
- Protection
Clinical priorities

- Hearing loss
- Head and brain injury
- Musculoskeletal and extremity injury
- Heterotopic ossification
- Torso trauma
- Causes of death / next level of survivors / clinical scoring systems / civilian correlates
Hearing loss
Head and brain injury
Musculoskeletal and extremity injury
Heterotopic ossification (HO)
Related work

- ADVANCE Study
- NIHR Global Health Research Group on Post Conflict Trauma
- EPSRC/NIHR Low Cost Through Knee Prosthesis project
Communication

Blast Injury Conference
11-12 July 2019
London
http://www.blastinjury.org.uk/

https://www.imperial.ac.uk/blast-injury/about/reports/)