



TRAINING & SIMULATION

INDUSTRY SYMPOSIUM

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Medical Simulation Research



Challenge: Reduce Live Tissue Use in Trauma Training



US ARMY
RDECOM



• Objective:

- Develop objective measures of skill and knowledge in current training
- Document effectiveness of current simulation technologies against measures of skill
- Identify gaps and develop prototypes; evaluate against measures of skill

Technology Challenges:

- Define objective measures of skill
- Identify key learning attributes for live tissue training
- Baseline current methods & identification of errors
- Develop realistic simulated tissue
 - Look
 - Feel
 - Smell
 - Physiology & Behavior
 - Rugged & Reusable



Simulation Movement



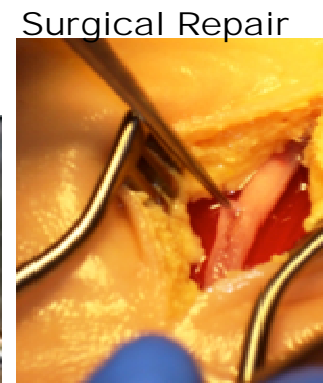
Realistic Landmarks



Tissue Physiology



Tissue Technology



Surgical Repair



Arm Simulation

