



Queen Mary University of London www.c4ts.qmul.ac.uk

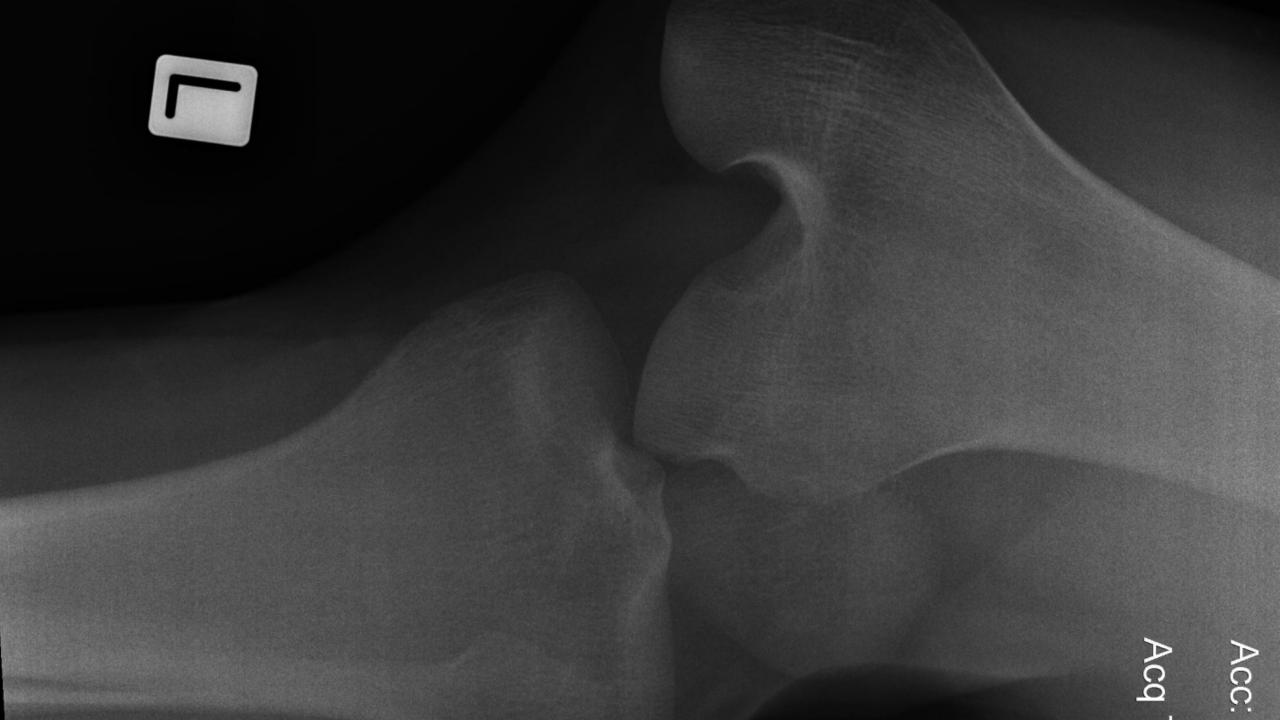
Royal London Major Trauma CentreBarts Health NHS Trust



TIME CRITICAL

Diagnosis
Disposition
Decisions
Surgery

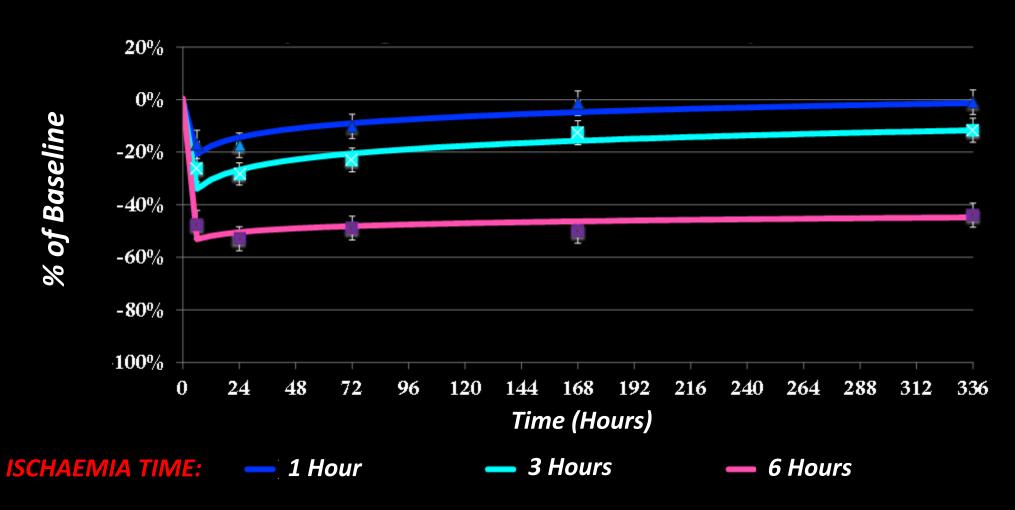




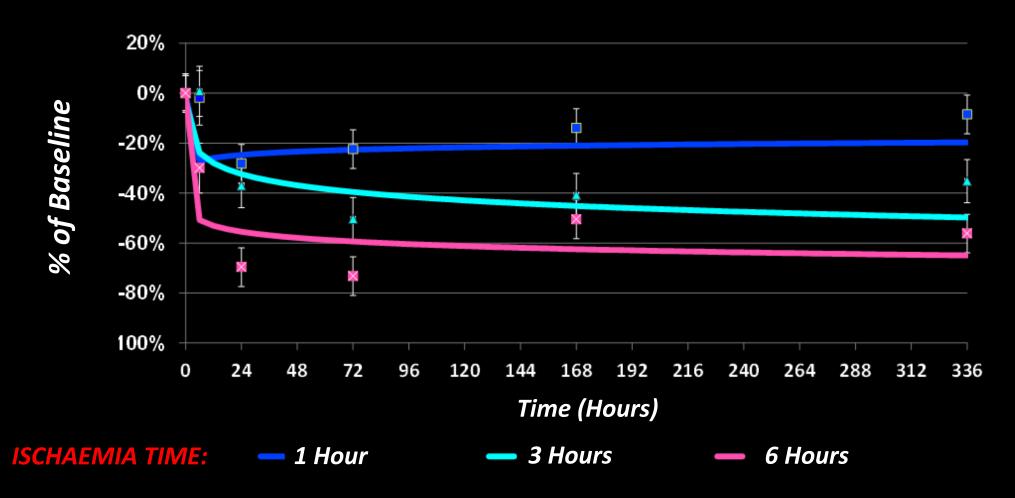
6 hours

??? 6 hours ???

Physiologic Measure of Recovery (PMR)



Physiologic Measure of Recovery (PMR)



YOU HAVE <3 HOURS

YOU HAVE <3 HOURS THIS IS THE WAY

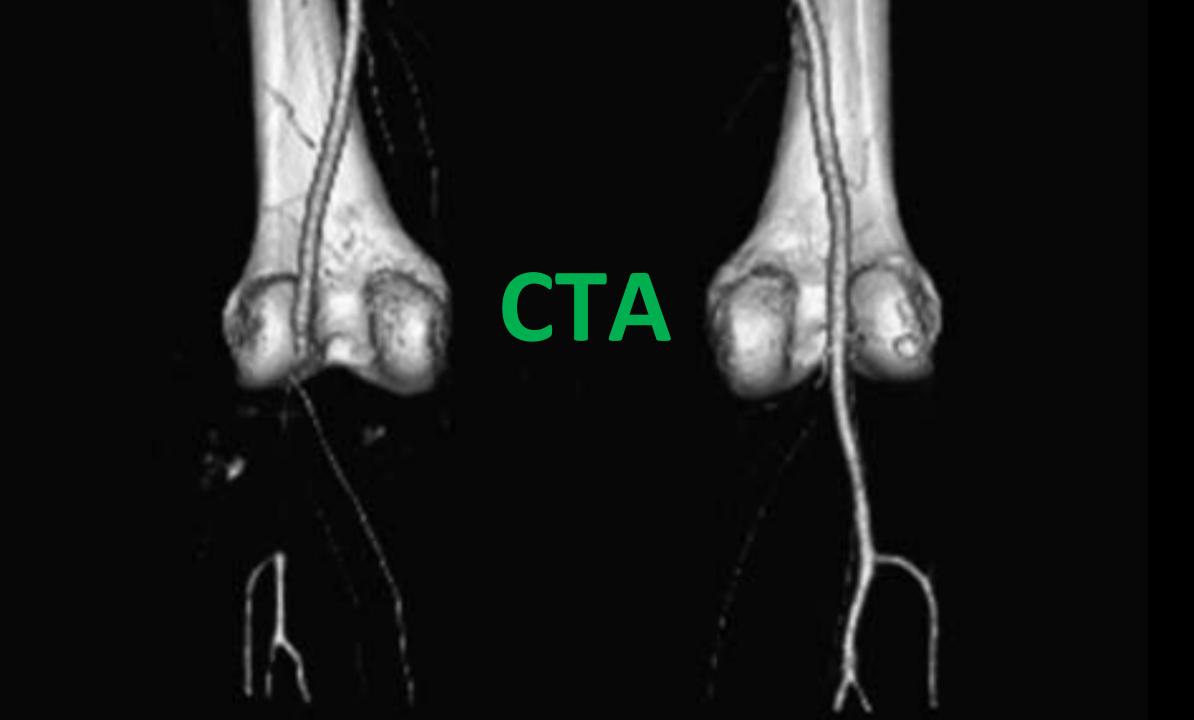
TIME CRITICAL Diagnosis





HARD SIGN: ABSENT PALPABLE PULSE

YOU MUST RULE OUT



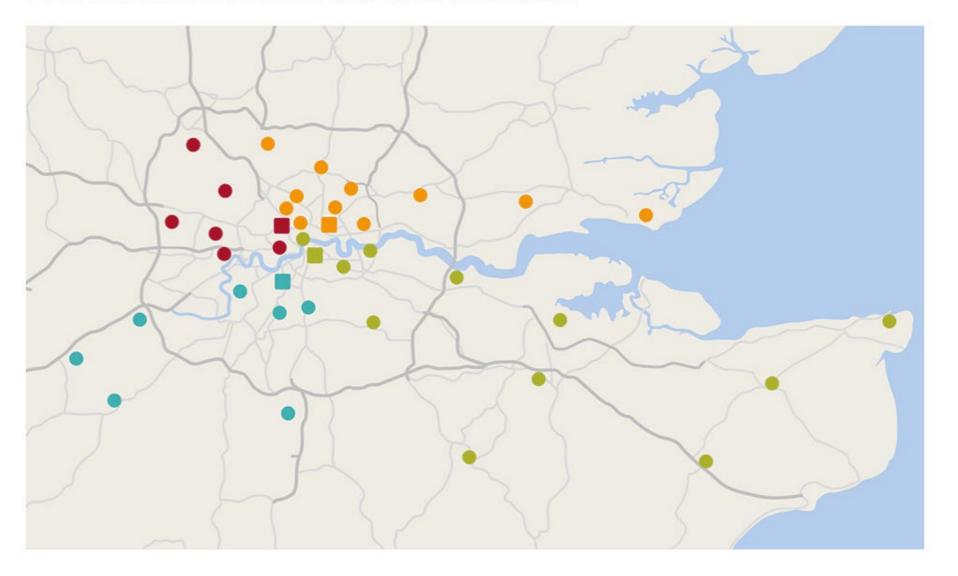
YOU MUST RULE OUT

& CTA

THIS IS THE WAY

TIME CRITICAL Disposition

THE LONDON MAJOR TRAUMA SYSTEM



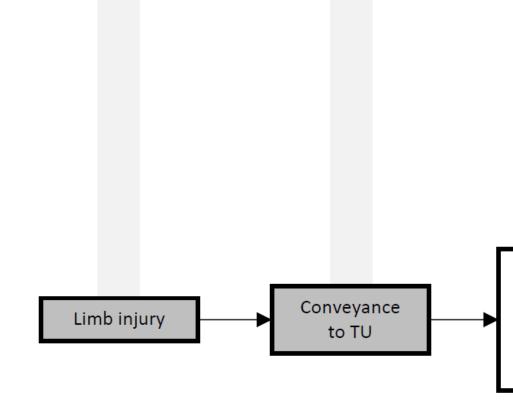
- North East London and Essex Trauma Network
- South East London, Kent, and Medway Network
- South West London and Surrey Trauma Network
- North West London Trauma Network

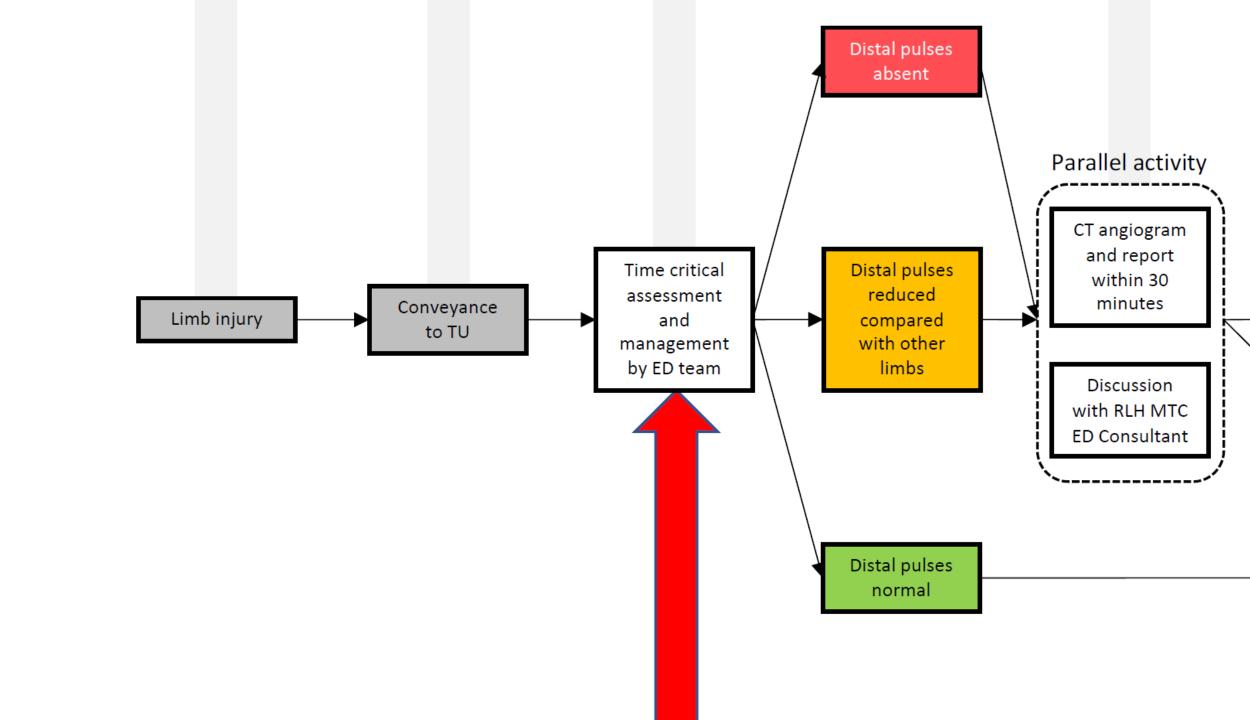
- MTC (Major Trauma Centre)
- Trauma Unit

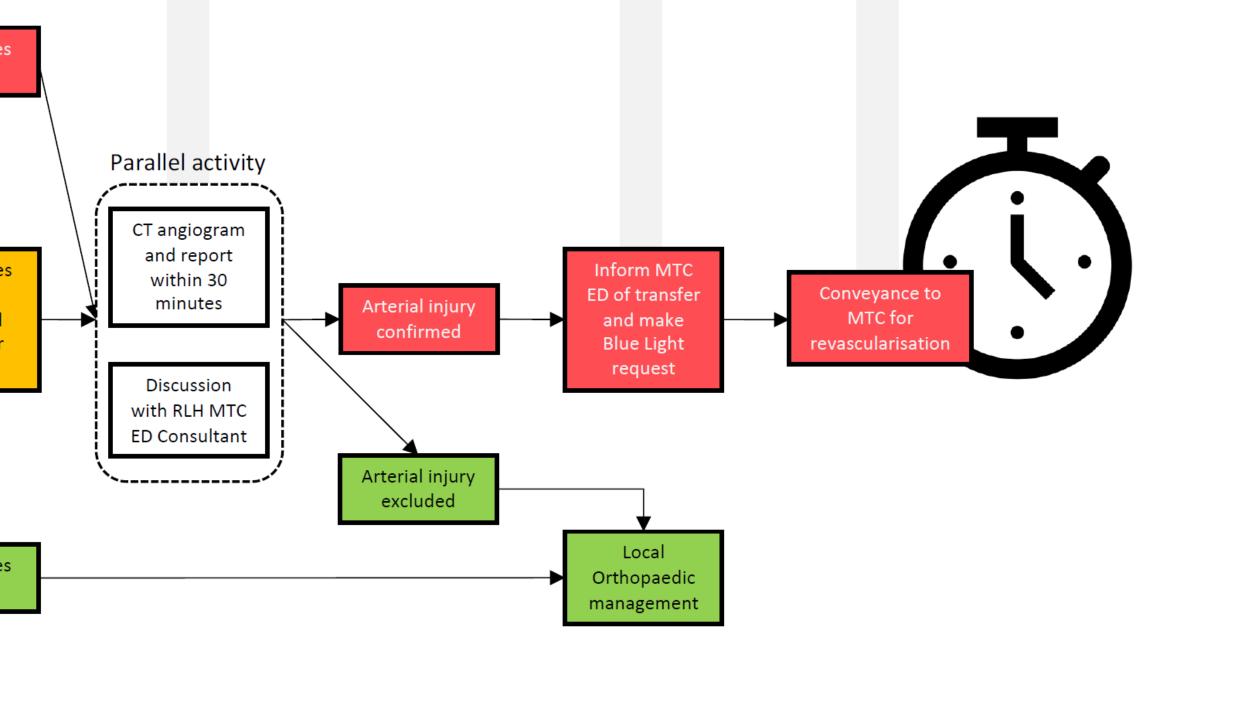
LONDON MAJOR TRAUMA SYSTEM

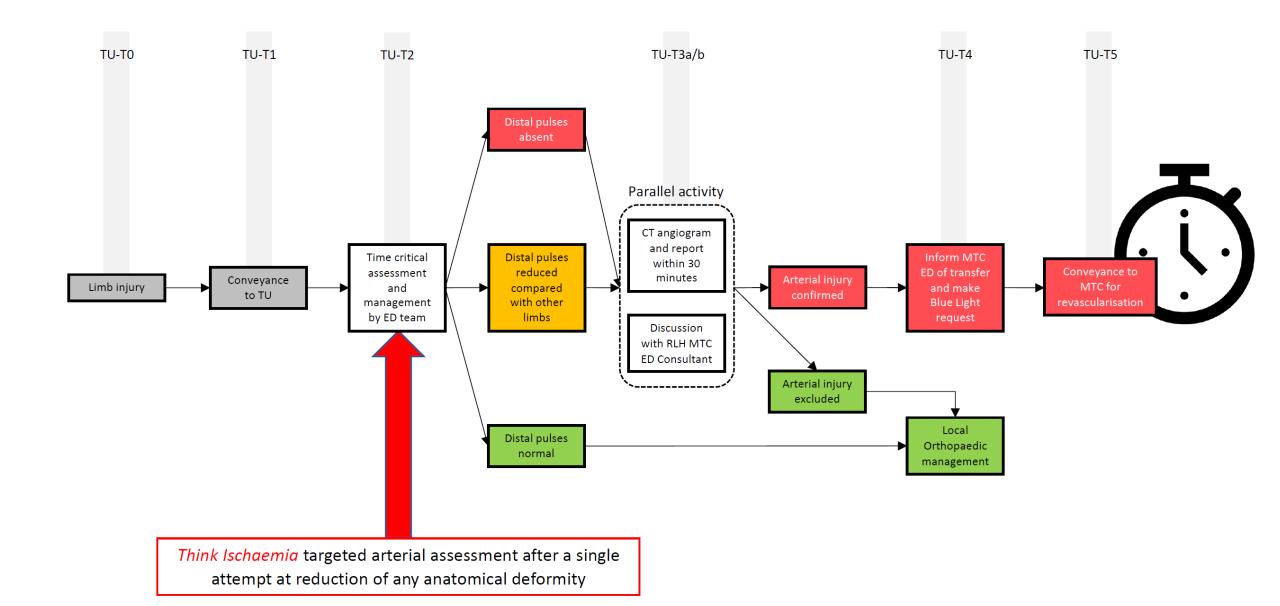
THINK ISCHAEMIA - THINK TIME

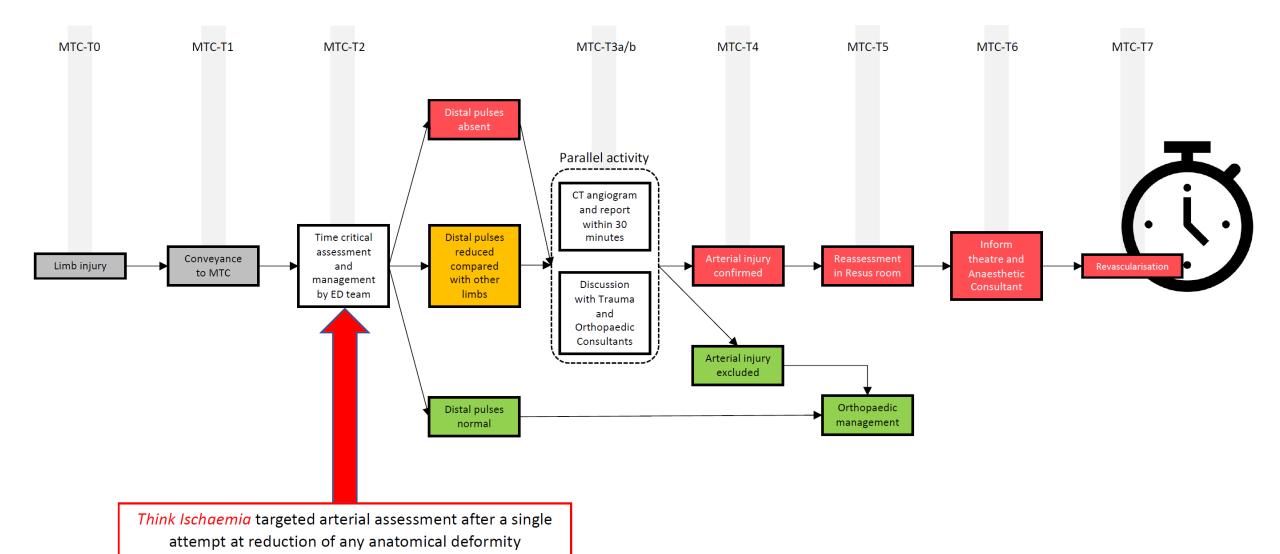
TRAUMA UNIT PATHWAY



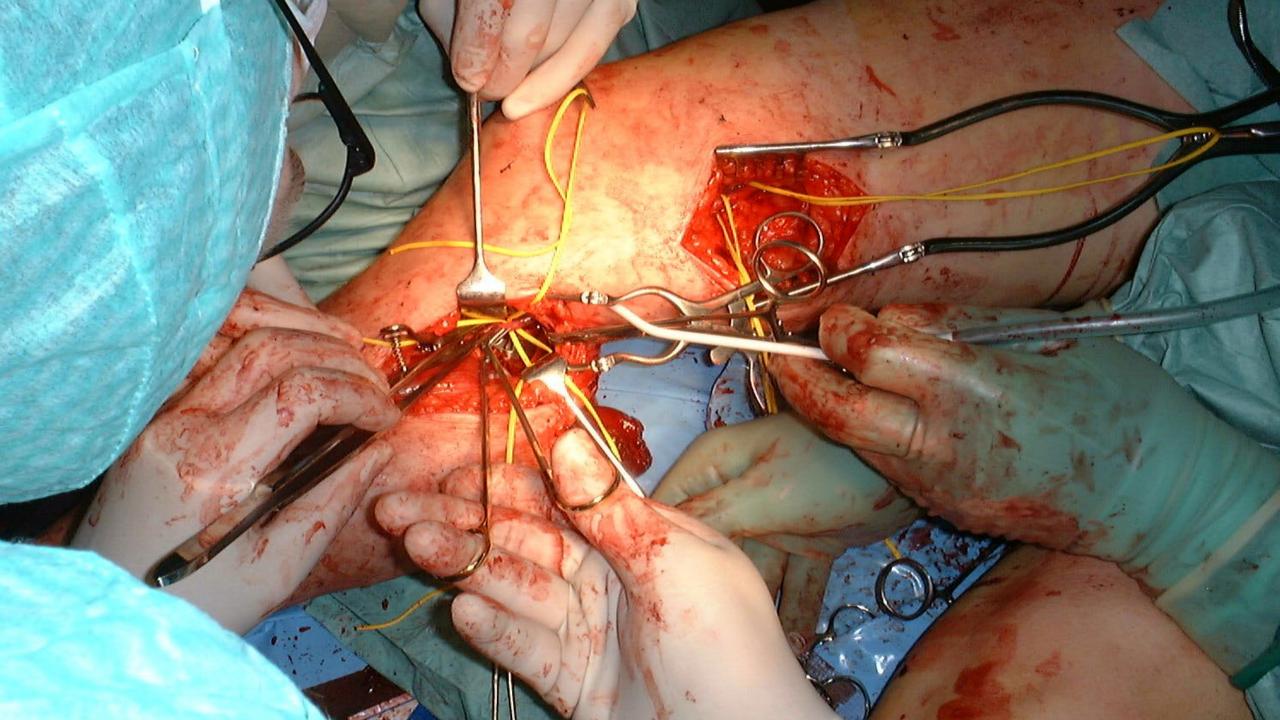




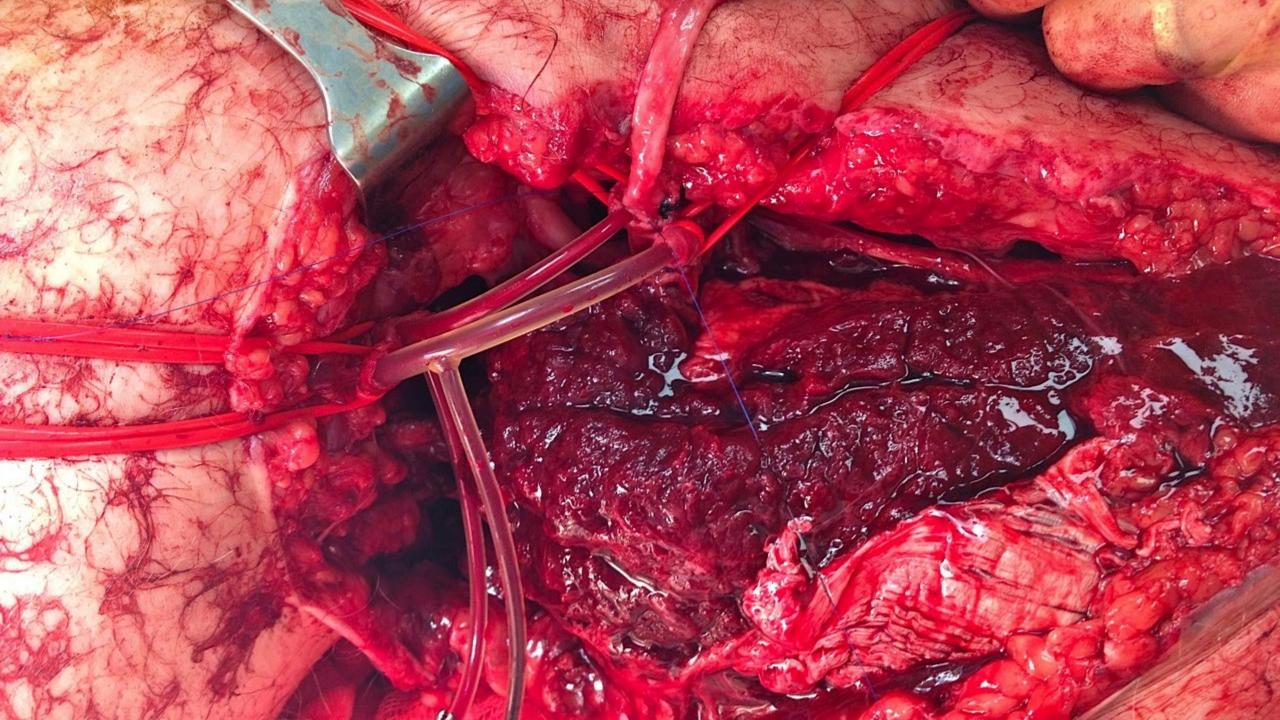




TIME CRITICAL Revascularisation









ARTERY FIRST. ALWAYS.

ARTERY FIRST. ALWAYS. THIS IS THE WAY

TIME CRITICAL Decisions

Can the limb be saved? Should the limb be saved?



PALE PULSELESS* LIMB & KNOWN SITE OF INJURY: OPERATION

PULSELESS* / REDUCED** / NOT SURE: CT ANGIOGRAM

*PULSELESS: not PALPABLE

**REDUCED PULSE: Compared to the other limb

LONDON MAJOR TRAUMA SYSTEM GUIDANCE

EXTREMITY INJURY WITH POTENTIAL ARTERIAL COMPROMISE

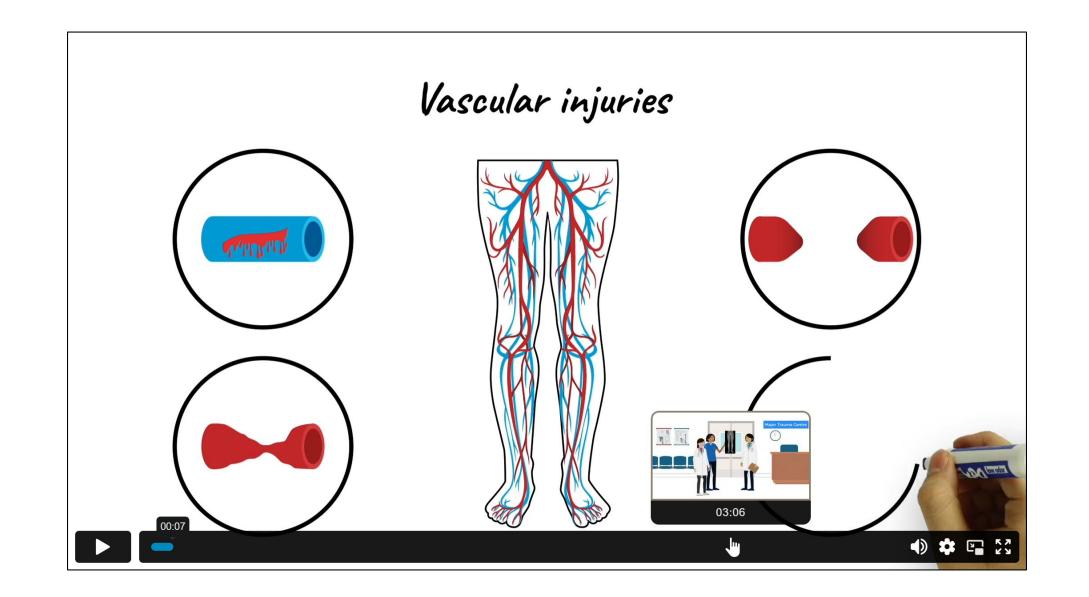
Suspect arterial injury in all limb injuries and especially in fractures or dislocations around the knee.

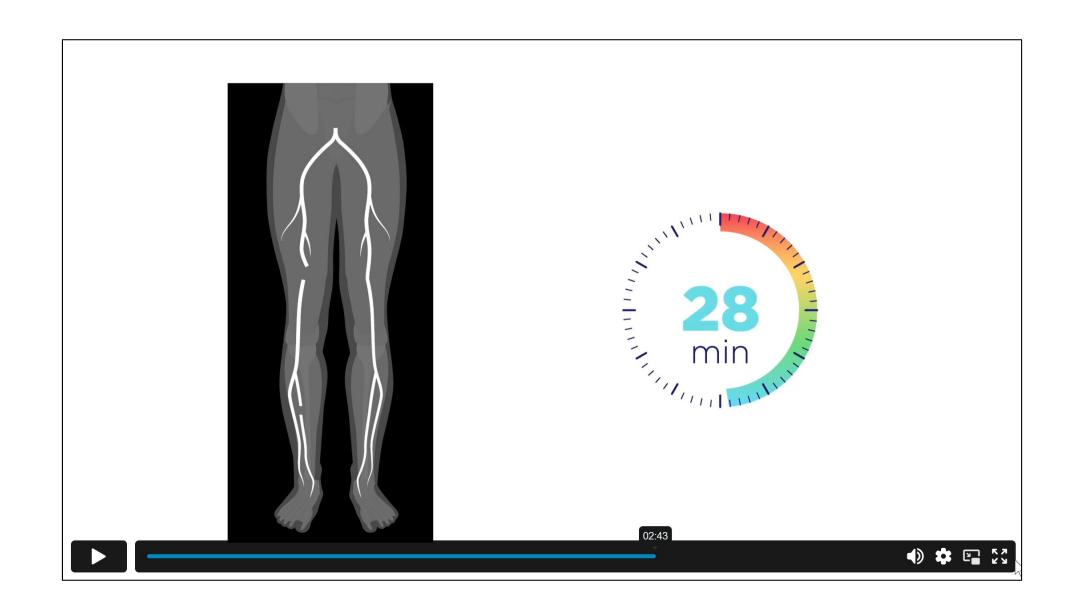
If an easily **PALPABLE** pulse is not present an arterial injury should be assumed to be present **until ruled out**.

The only definitive rule out is a CT Angiogram.

If arterial injury is suspected a CT Angiogram should be performed and a provisional report produced within 30 minutes

If a CT Angiogram cannot be performed within this timeframe the patient should be discussed with the Major Trauma Centre for immediate transfer.





< 3 HOURS NO PALPABLE PULSE? **CTA** ARTERY FIRST. ALWAYS.

< 3 HOURS</p> NO PALPABLE PULSE? CTA

ARTERY FIRST. ALWAYS.

THIS IS THE WAY

