

Teaching about Human Factors and Their Importance



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What is our purpose?

Improved patient care and outcome

SPRinT[™]

Simulated InterProfessional Team Training

Excellence in patient care through safety

Royal Brompton & Harefield 
NHS Foundation Trust

How do we decrease errors?

Stress

Time pressure

Situational awareness

Teamwork

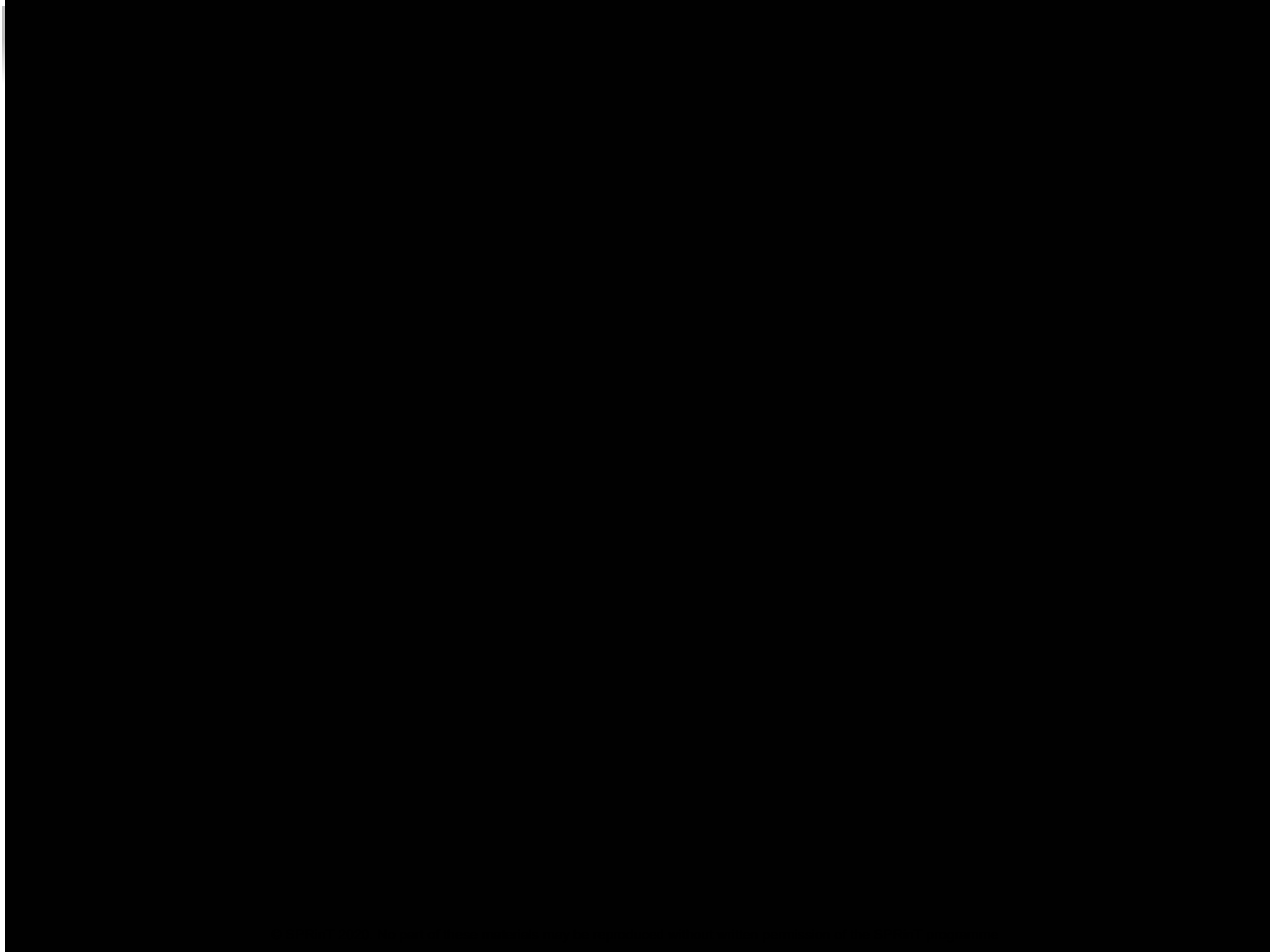
Human factors....

All effect the ability to operate in
an emergency

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Crisis Resource Management Principles

- Closed loop communication
- Global assessment – stand back
- Clear communication
- Even tone – empower all team members (hierarchy)
- Role allocation

Situational Awareness

<https://www.youtube.com/watch?v=KvRYd8U7qGY>

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Hierarchy

<https://www.youtube.com/watch?v=7-a2QBfFQeA>

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Tennis Ball Game...





Is CRM really important?

Eastern Air Lines Flight 401, operating with a four-month-old Lockheed L-1011-1 Tristar
163 passengers and 13 crew members

New York's JFK airport on Friday, December 29, 1972 at 9:20 p.m., en route to
Miami International Airport.

Captain Robert Loft, 55, a veteran [Eastern Air Lines](#) pilot ranked 50th in seniority at
Eastern. Senior and *****

His flight crew included first officer Albert Stockstill, 39 and second officer (flight
engineer) Donald Repo, 51

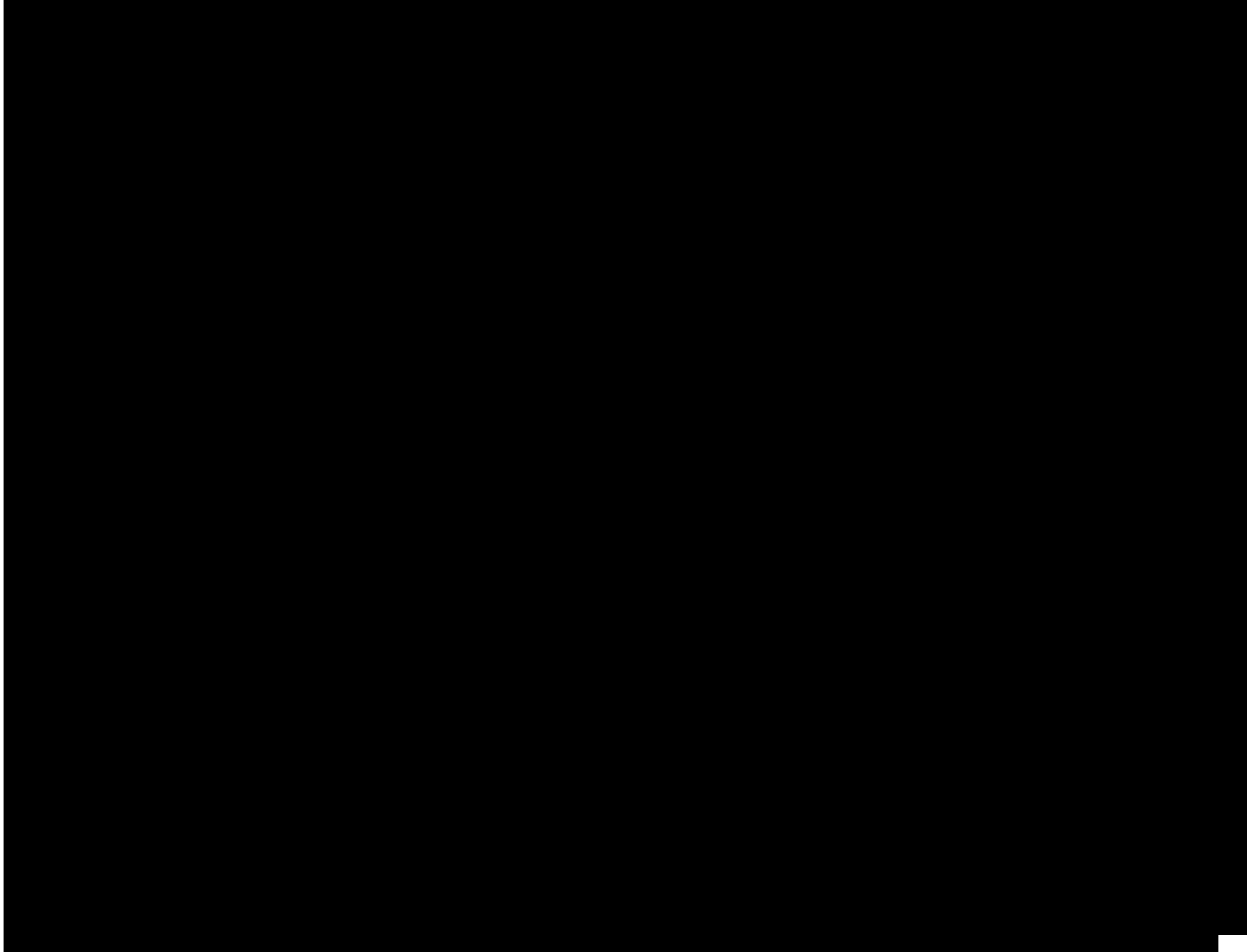
<http://www.youtube.com/watch?v=ICqPGkto3Yo>

CMO Report 2008 : -

“Simulation works. Simulation is important to medicine. The NHS must be able to provide the type of simulation that would make a difference to patients like Elaine Bromiley.”

- Consultant Anaesthetist
- Consultant Anaesthetist
- ENT Surgeon
- Senior ODP
- ODP
- Recovery Nurse
- Recovery Nurse

*Does learning about crisis resource management
make a difference?*



M Bromiley



Practice (1 day)	✓
Team	X
System	✓



Evidence base?

The American anaesthetist Gaba said:
'No industry in which human lives depend on the skilled performance of responsible operators has waited for unequivocal proof of the benefit of simulation before embracing it.' (1992)