The deteriorating child...

problems, progress and promise

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Recognition

• Antecedents to death, cardiac arrest or ICU admission are common (60%)

• 84% of patients have identifiable deterioration 8 hrs prior to arrest
  Schein RMH. Chest 1990; 98: 1388 - 1392

• Common recurring system issues identified
  • Failure to recognise deterioration / critical illness
  • Failure to intervene appropriately
  • Failure of communication
Devise solutions

- Education
- Graded assertiveness
- High dependency areas
- Outreach teams
- Response teams
- Track and trigger / early warning score

- Which patients benefit?
Assess outcomes

• Incumbent on those modifying systems

• Difficult to do...
  • Study methodology
  • Audit
  • Institutional systems
  • State-wide / Nation-wide systems
Where are the challenges?

- Identifying the system failures
- Designing solutions
- Robust validation
- Implementation of solutions
- Change management
- Collaboration
Blue Sky View

Tertiary Paediatric Facility
- CEWT
- Outreach / MET team
- HDU
- PLS / APLS

Regional Paediatric Facility
- CEWT
- Adult ICU links
- HDU / telepaediatric bed
- PLS / APLS

Rural Paediatric Facility
- CEWT
- PLS / APLS

Retrieval service

Telepaediatrics
Clinical networks

Paediatric Mortality Committee