

PAEDIATRIC EMERGENCY TRANSPORT

*How it can be integrated with the
PICU and Paediatric Emergency
Departments*

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Integration

- No transport service operates in a vacuum
- Hospital as a whole
- Regional or national health system as a whole
- Administrators and controllers of funding
- Responsibility
- Equal opportunity



BUSH



Competing interests

- Territorial behaviour
- Interest in own career
- Own clinical interests
- Group behaviour
- Goodwill

Varieties of PET service

- Free – standing: PETS alone
- Free – standing: PETS + NETS
- Attached to a PICU
- Attached to a PED
- Attached jointly to a PICU and a PED

Free – standing PETS

- Autonomy

- Funding and fund – raising
- Staff
- Protocols
- Transport – related equipment and methods

- More than one hospital

- Neutrality

- Disconnection

- Communication
- Staff rotation

Combined NETS and PETS service

Scale

- Experience
- Training
- Outreach
- Backup services
- Research

Convergence of methods

Intensive care focus

What PETS functions can be integrated with PICU or PED?

- Staffing: rotation
- Staff education
- Triage + bed-finding
- Telemedicine
- Advice service
- Outreach teaching
- Prevention role: advocacy
- Location
- Administrative services

Staffing

- Rotation
- Latest ideas and techniques
- Wider experience
- Attract staff
- Senior and junior
- Awareness of concerns and problems
- Large pool of accredited staff

Staff education

- Shared
- Separate but available
- Coordination of timetables
- Individual conditions
- General
- Mortality and morbidity
- Radiology review
- Ethics

Outreach education

- ◆ Coordination
 - ◆ Avoid conflicting ideas
 - ◆ Avoid duplication and wasted effort
- Face – to – face
 - ◆ More sessions
 - ◆ Greater range of expertise
 - ◆ Wider audience over wider area
- Teleconference sessions

Triage

- ◆ PED
 - ◆ Experience
 - ◆ Face – to – face
 - ◆ Wide range of illness
- ◆ Telephone triage
 - ◆ More severely ill
 - ◆ Senior transport staff

Telemedicine

Static: e-mail

- X – rays
- CT
- ECG
- Digital image of rash

Webcam

- Neurology
- Respiratory signs
- Trauma
- Physiological observations

Privacy

- De-identify

Bed finding

- Several paediatric hospitals
- Central co-ordination
- Reporting: website
 - ◆ Availability
 - ◆ Demand

Telephone Advice Service

- PEDs
 - Parents
 - Community doctors + health care workers
- PETS
 - Severely ill
 - Assessment + resuscitation
 - Paediatricians, community doctors
- Cross-over
- Co-ordination
- Central triage point
- Telephone conference

Factors against co-ordination with PICU

- Specialization of PICUs
 - ◆ Cardiac
 - ◆ Neurosurgical
 - ◆ Trauma
- Very high volume PETS
 - ◆ Less-ill children

Factors against co-ordination with Paediatric Emergency Department

- ◆ Special needs
 - ◆ ECMO
- ◆ Special PICU interests
- ◆ Tertiary transports
- ◆ ? Combined NETS / PETS service

SUMMARY

- Health delivery as a whole
- Co-ordination with PICU and PED
- Co-ordination of bed-finding
- Triage
- Staff rotation
- Staff education
- Outreach education

DISCUSSION