



# PICS-SG Nursing group

Chair: Lyvonne Tume

May Meeting funded by LJMU



# Background

- Re-established Dec 2007 (1<sup>st</sup> meeting)
- 2<sup>nd</sup> meeting March 2010 agreed research priorities for PIC nursing in UK and Ireland (abstract ESPNIC 2010 and WFPICS 2011)
- Very successful 3<sup>rd</sup> 1.5 day meeting, Liverpool 23-24 May 2011 (funded by LJMU)
- Group now expanded to include Dutch, Irish and Italian nurse researchers (n=39)
- 30 at May 2011 meeting

# The May meeting program in Liverpool

## Monday 23rd may

- 12pm Welcome and introductions (LT)  
Background of the group (LT)  
Aims of the group and anticipated outputs (LT)
- 12.45pm Lunch (provided) and networking**
- 1.30pm The PICANET database and how to access it - Dr Roger Parslow
- 2pm Engaging academic partners – Professor Bernie Carter
- 2.30pm Finding funding for studies – Dr Lyvonne Tume
- 3.15pm PhD presentations by critical care nurses
- 4pm The Dutch nursing research program Dr Erwin Ista
- 4.15pm The Dutch nurse scientist role Dr Jos Latour
- 4.25pm An evaluation tool for drug errors in PICU: Dr GerriyArmitage
- 5pm Close**

**Meal @ Gusto Italian restaurant Albert Dock 7pm**

## Tuesday 24th May

- 9-12 pm Sub group meetings (Rooms on 5th floor)**
- 9 -10 Pain, Sedation & Withdrawal group (Julia Harris)  
OR  
Nursing workforce group (Andy Darbyshire)
- 10 – 11 Family, psychosocial group (Carolyn Boyles)  
OR  
Patient deterioration and EWS group (Sue Chapman)
- 11 - 12 Risk reduction in PICU (Dr Kay Rushforth)  
OR  
Enteral Feeding and nutrition (Dr Lyvonne Tume)
- 12 – 12.45 Lunch & networking**
- 12.45pm Feedback from groups – plans for future work
- 2.30pm Developing collaborations (EU and International) Lyvonne Tume
- 3pm Evaluation & Close**

# Results

The six priority research themes are:

- Patient deterioration
- PIC nursing workforce
- Family/parent/psychosocial issues in PIC
- Pain, sedation and withdrawal
- Risk reduction in PIC
- Nutrition and feeding in PIC

# Theme 1: Patient deterioration

Subgroup lead: Sue Chapman (GOSH)

Subgroup Plans:

Updated e-survey of all PICUs and their DGHs providing paediatric care in UK re PEWS, team perceptions of these tools

Time frame: by Sept 2011 (e-survey ready) and also given out on paper at PICS 2011

# Theme 2: Nursing Workforce

Subgroup lead: Andy Darbyshire (Alder Hey)

Group plans:

Interested in looking at outcomes related to workforce,  
Staff satisfaction and burnout

A European comparison project written up for publication

ICM (two centres: AHey and  
Erasmus) comparing nurse staffing  
and patient outcomes

Involve PICANET and Dutch audit network

People involved: AD, LT, JL, CL, RP + more

- Project completed and abstract submitted for Istanbul 2012 (June  
2012) and written up for publication Autumn 2012

# Theme 3: Family, psychosocial and children

Subgroup lead: Carlyne Boyles Southampton

Agreed start project – the effect of ICU discharge (to ward) on the parents (pilot already done in Southampton) comparing parent's of children with LOS >7 days vs < 48 hours

Led by CB – CB to email group the pilot study for feedback before rolling out.

Targets? Review Oct 2011

# Theme 4: Pain/sedation and withdrawal

Subgroup lead: Julia Harris (Evelina)

- *UK and Irish Audit of national PIC practice in relation to pain scoring tools, sedation scoring tools, withdrawal scoring tools and practices in PIC undertaken Feb-May 2011 (~55% RR)*
- *Some Interesting findings → plans now to roll this e-survey out within NL and Italian PICUs and undertake a comparison of practices between the 3 European countries → present at ESPNIC 2012 (Istanbul) and then publish this*

# Theme 5: Risk reduction in PIC

Subgroup lead: Dr Kay Rushforth (Leeds)

Specific plans:

## 1<sup>st</sup> project for 2011

- **To audit the monitoring of Health care associated infection (HCAI) in the Paediatric Intensive Care Unit (PICU)** –developed Questionnaire by July for group to comment
- **Aim:** To establish the tools of measurement and use of results for health care associated infection (central, peripheral renal haemodialysis, urinary catheters, prevention of surgical site infection, ventilator associated pneumonia, decontamination of equipment and clostridium difficile) in the PICU.
- **Design:** Survey to collect HCAI information in PICUs in 2011.
- **Setting:** PICUs in the UK, Netherlands and Rome
- **Participants:** Lead nurse and clinical director in each PICU.
- The results will provide information to determine the number of PICUs routinely collecting HCAI information; how and when information is collected and the use to which the results are used in the PICU/hospital setting.
- This information will feed into the PIC study group-nursing workforce work stream and determine the future direction of the risk study group.

# Theme 6: Nutrition and feeding in PIC

Subgroup lead: Dr Lyvonne Tume

## Specific ideas/questions:

- *Started with a single centre (phase 1) then UK and Irish survey (phase 2) of ICU nurses', doctors' and dietician's knowledge and views of enteral feeding in PICU*
- *Nov – Feb 2010-2011 90% unit RR (108 replies)*
- *Interesting findings → PICS 2011 abstract and ESPNIC 2011 abstract*
- *Aim for publication of this study, then look to set up a consensus meeting re EF*
- *4 centre (YorkHill, AHey, BHam and Dublin) prospective audit of incidence of NEC in cardiac infants – Isobel (Glasgow to lead on)*
- *LT to contact dieticians across UK & Ireland and Nilesh Mepta re his study on GRV and microbiology of aspirates ? Future collaborative work*

# Agreed one day PIC nurse scientific research meeting @ Hannover ESPNIC 2.11.11

- JL to organise (room booked)
- Plans to engage more European PIC nurses into group
- Start round I of a Delphi study (JL to lead) on Research priorities for PIC nurses across Europe → presentation at ESPNIC 2012 and publication
- Key research expert speakers (methodological and other) then sub group feedback and meetings for future collaborations and further work

# The way forward

- Database of PIC nurse research contacts across Europe established and growing....
- Increasing number of PIC nurses with PhDs and PhDs in progress (n=12)
- Academic involvement by Professor in children's nursing Bernie Carter (UCLAN)
- More links to international groups (PICUPhD) led by Prof Martha Curley (Boston)
- Format for successful meetings established (annual 1.5 day meeting rotating between Liverpool and Netherlands in May) then additional half year 1 day meetings (early Oct) rotating around UK centres – next one Oct 2011 Birmingham (AM to organise)