

Incorporation of simulation training into induction improves confidence in medical and nursing staff

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Dr Ben McNaughten (Clinical fellow in education and simulation, RBHSC)

Carol Junk (Advanced paediatric nurse practitioner)

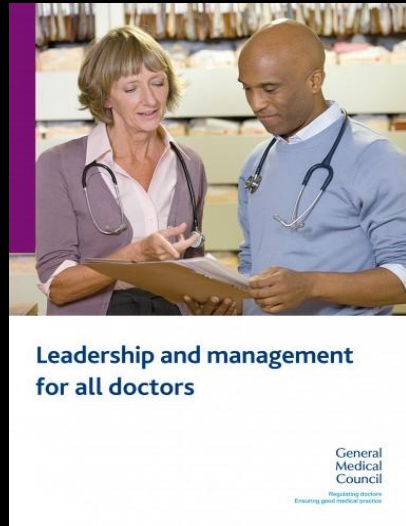
Dr Catherine Diamond (Paediatric trainee)

Dr Tom Bourke (Consultant paediatrician)

Dr Andrew Thompson (Consultant paediatrician)



Background: Importance of induction...



*'...ensuring the delivery
of safe, effective and
efficient care to
patients'*



*'...all staff should
receive high quality
clinical induction'*



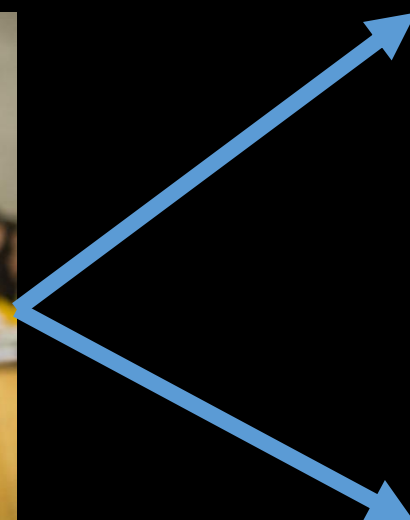
*'...local induction is
essential to enable new
members of staff to
become familiar with
their environment and
establish relationships'*

Rationale:

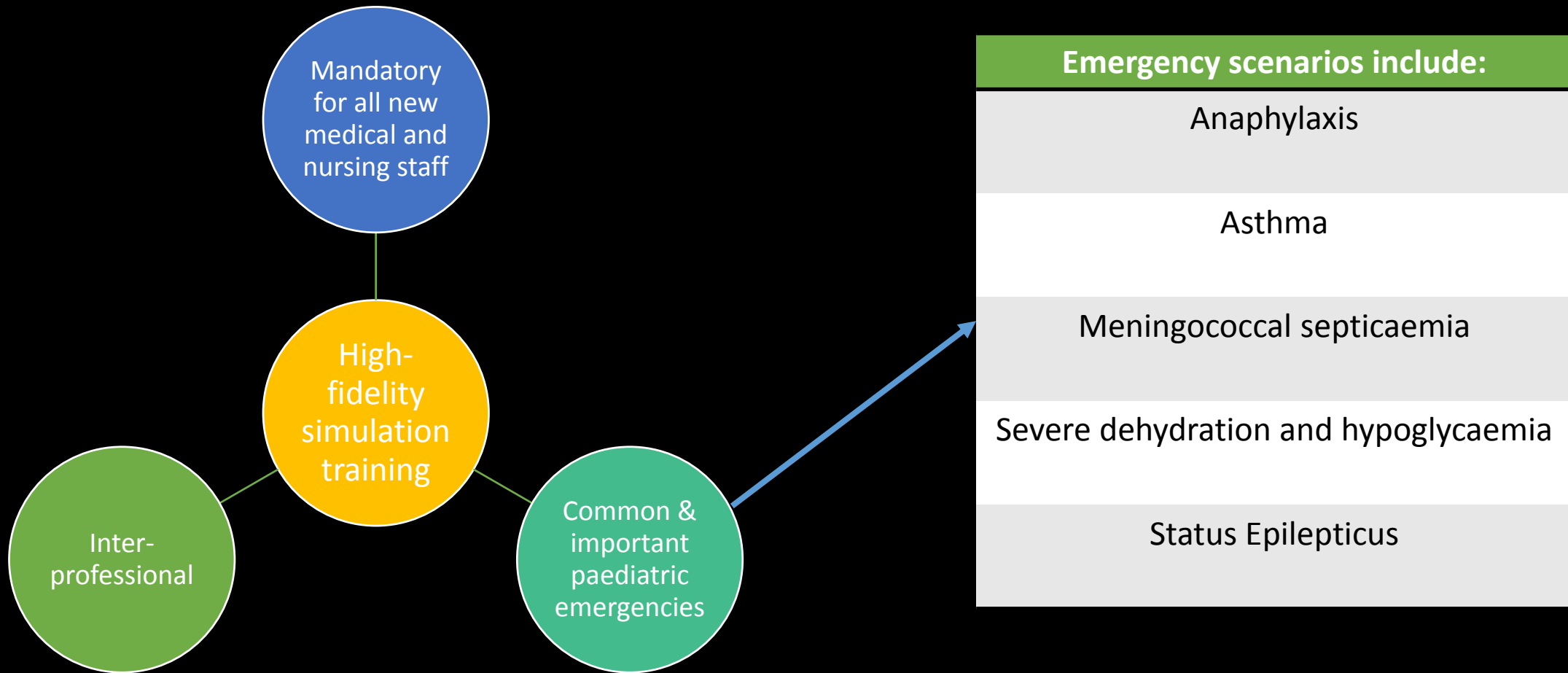


ROYAL BELFAST HOSPITAL FOR SICK CHILDREN

Simulation Training



Methods:



Methods:



Feedback form for Core Simulation Session

Date of simulation: / /

This is my first/second core simulation session (delete as appropriate)

Location of simulation: Simulation suite OR ward

Grade:

What training do you have in managing paediatric emergencies?

APLS Date [approx] _____

PiLS Date [approx] _____

Trust BLS Date [approx] _____

Other Date [approx] _____ Details: _____

Rate your agreement with the following statements:

1=strongly disagree 2=somewhat disagree 3=somewhat agree 4=strongly agree

After this simulation:

Strongly disagree → Strongly agree

1	I have increased my clinical knowledge	1	2	3	4	N/A
2	I have increased my clinical skills	1	2	3	4	N/A
3	I have increased my confidence	1	2	3	4	N/A
4	I am more competent in the calculation of drug dosages during emergencies	1	2	3	4	N/A
5	I can better access emergency equipment quickly	1	2	3	4	N/A

If this simulation helped me develop the following skills:

Strongly disagree → Strongly agree

6	Assume a leadership role when needed	1	2	3	4	N/A
7	Adapt to a changing situation	1	2	3	4	N/A
8	Alert the appropriate team if an emergency occurs	1	2	3	4	N/A
9	Communicate effectively with other team members during an emergency	1	2	3	4	N/A
10	Record events accurately in the patients notes/kardex during an emergency	1	2	3	4	N/A

If this was a ward-based simulation please complete the questions below:

I think ward-based simulation:

Strongly disagree → Strongly agree

11	Is disruptive to the ward	1	2	3	4	N/A
12	Is more stressful for the staff involved than for simulations in the simulation suite	1	2	3	4	N/A
13	Helped me orientate myself with the ward and learn where to find important equipment	1	2	3	4	N/A
14	Is a good way to prepare staff for true emergencies (it is more realistic)	1	2	3	4	N/A

Finally:

Strongly disagree → Strongly agree

15	I prefer simulation in the sim suite	1	2	3	4	N/A
16	I prefer simulation on the ward	1	2	3	4	N/A

Comments

Suggestions for improvement:

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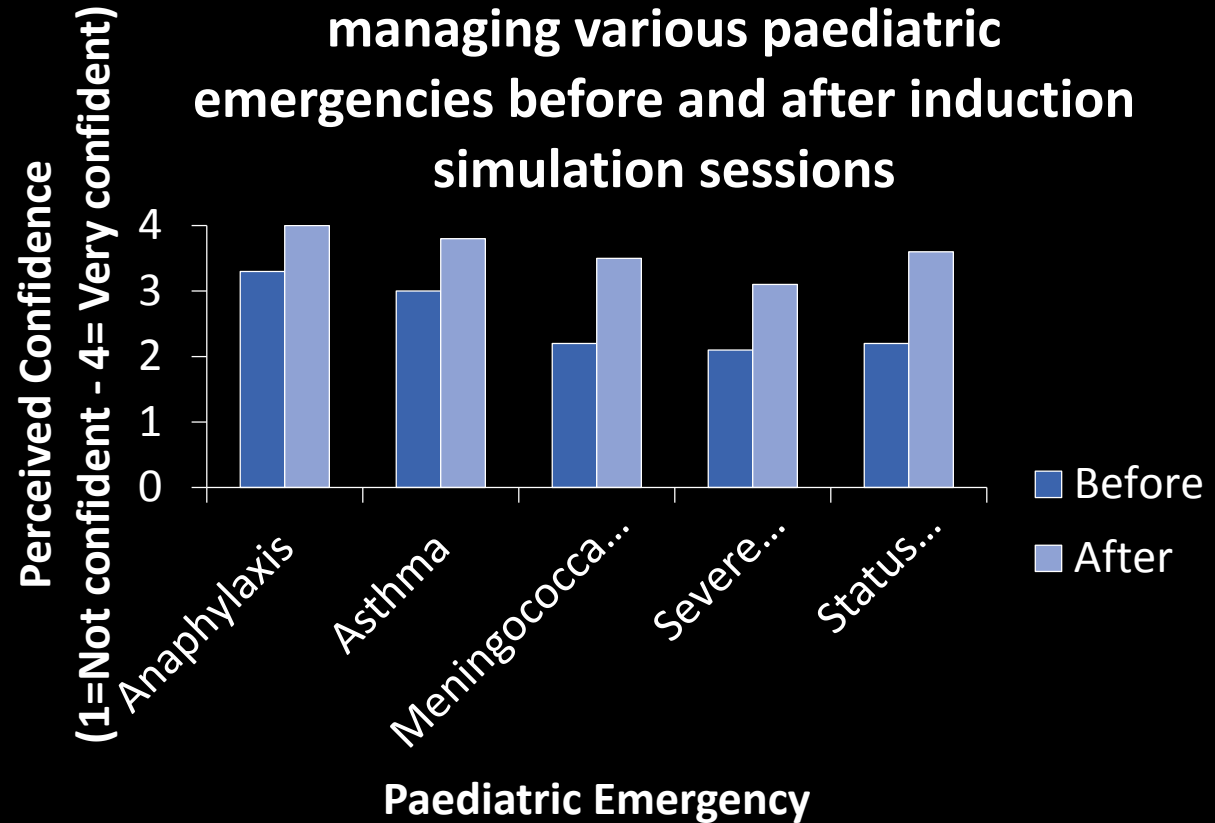
Findings:

1. Medical Induction:



X10

Perceived confidence of staff in managing various paediatric emergencies before and after induction simulation sessions





Findings:

- All participants agreed that:
 - They had increased their clinical knowledge and skills
 - They were more confident in assuming a leadership role within a resuscitation
- Free text comments included:

'Enabled me to gain confidence in a safe environment and to work closely with nursing staff who I will be working with on the wards'

'More of the same please!'



Findings:

2. Nursing Induction:

- 23 nurses
- Nursing staff felt more confident in their ability to manage common

emergencies: **2.8/5** → **4.6/5**

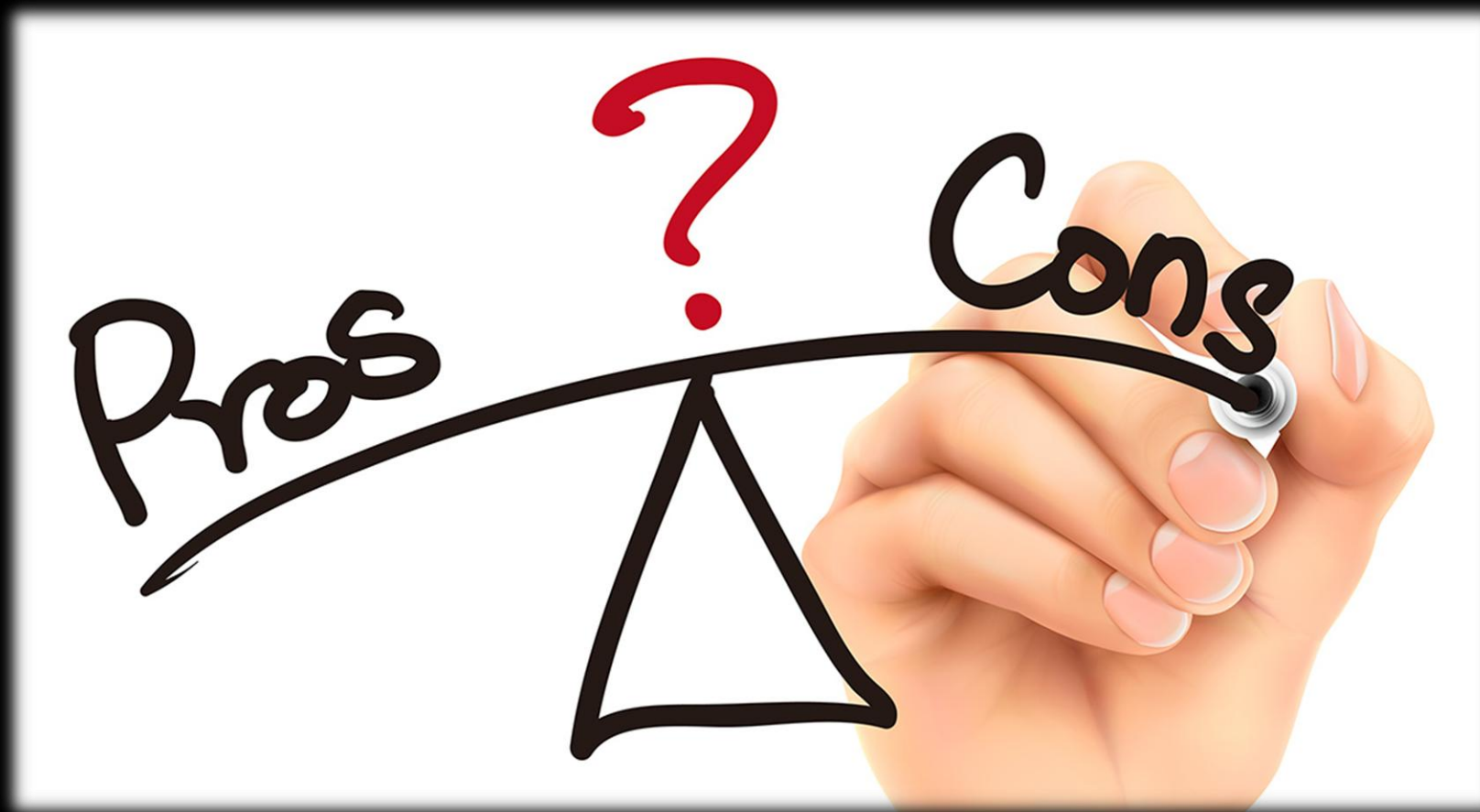
*'The most useful session
of our induction'*

*'Great learning
experience'*

'10/10!'



Discussion:



Questions??



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Email: benjamin.mcnaughten@belfasttrust.hscni.net