

Scottish Paediatric Renal Urology Network

Acute Kidney Injury Study Day Evaluation Report

October 2021

The Scottish Paediatric Renal Urology Network (SPRUN) hosted an Acute Kidney Injury (AKI) Study Day on Friday 29th October 2021. Results from the evaluation are as follows.

There were 25 delegates who attended. Evaluations were received from 14 attendees giving a response rate of 56%.

Figure 1 - Designation and Figure 2 - Health Boards below show the designations and Health Boards of respondents.

Figure 1 - Designation

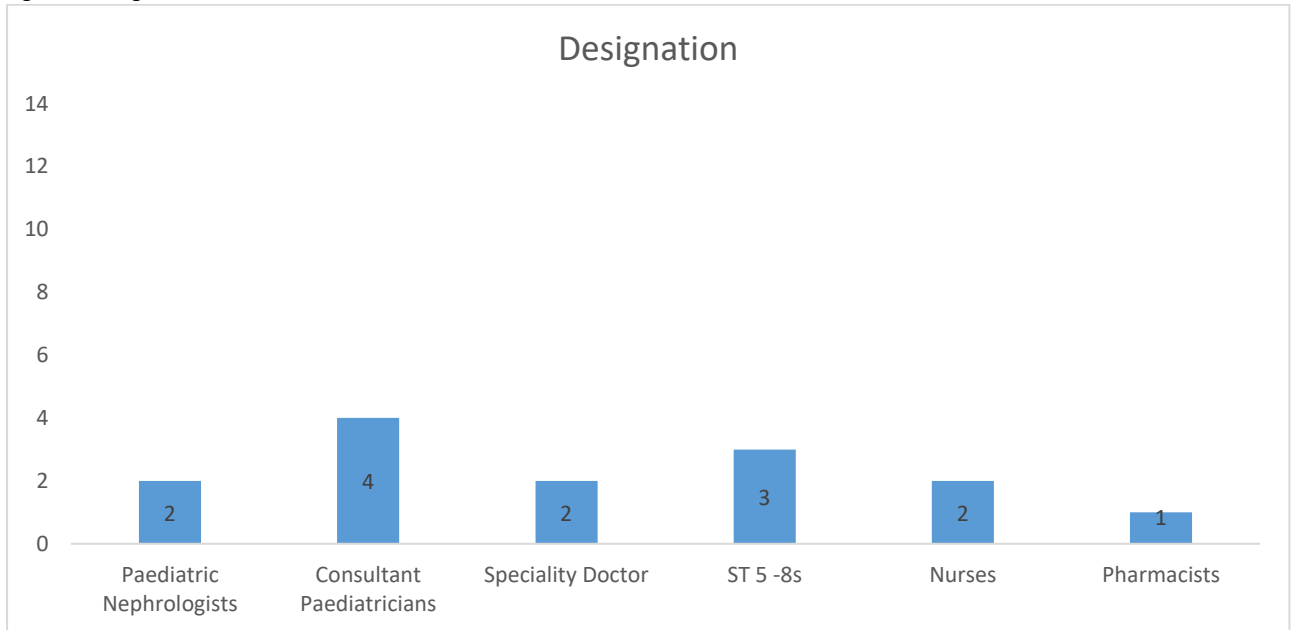
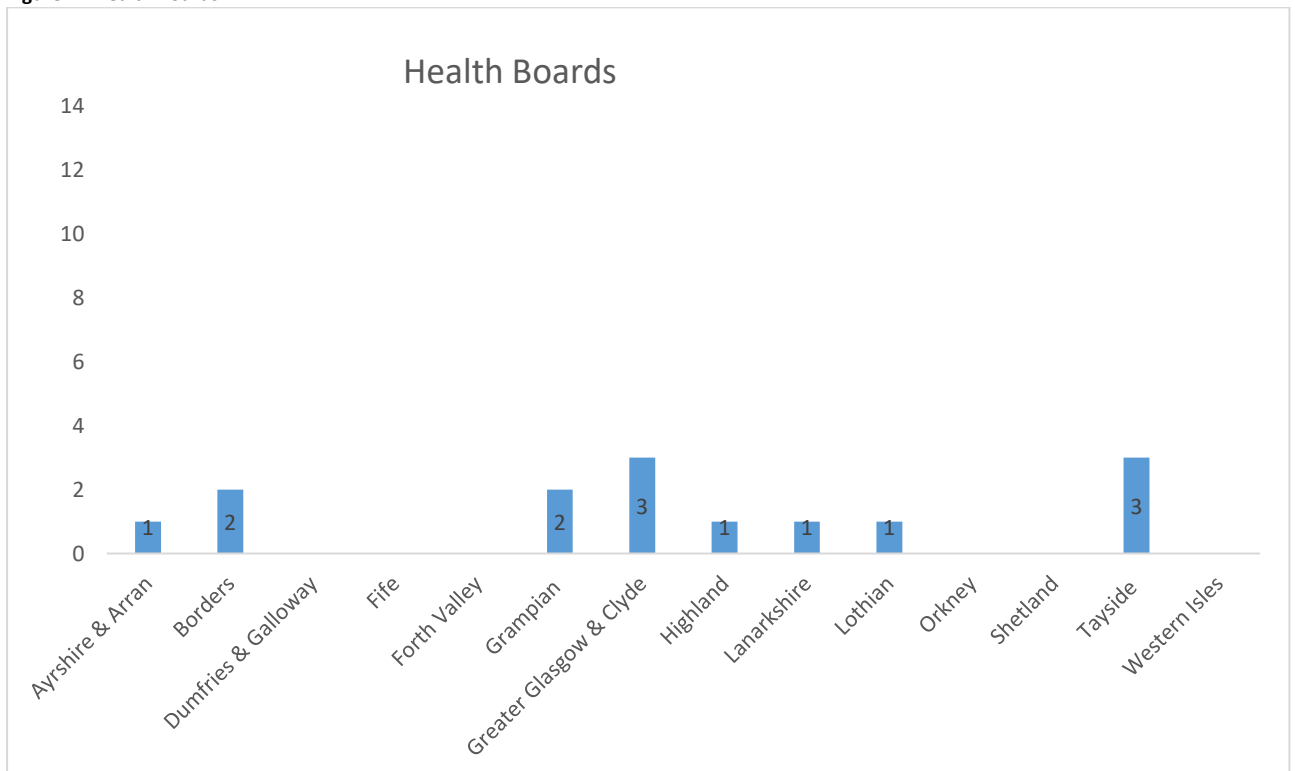


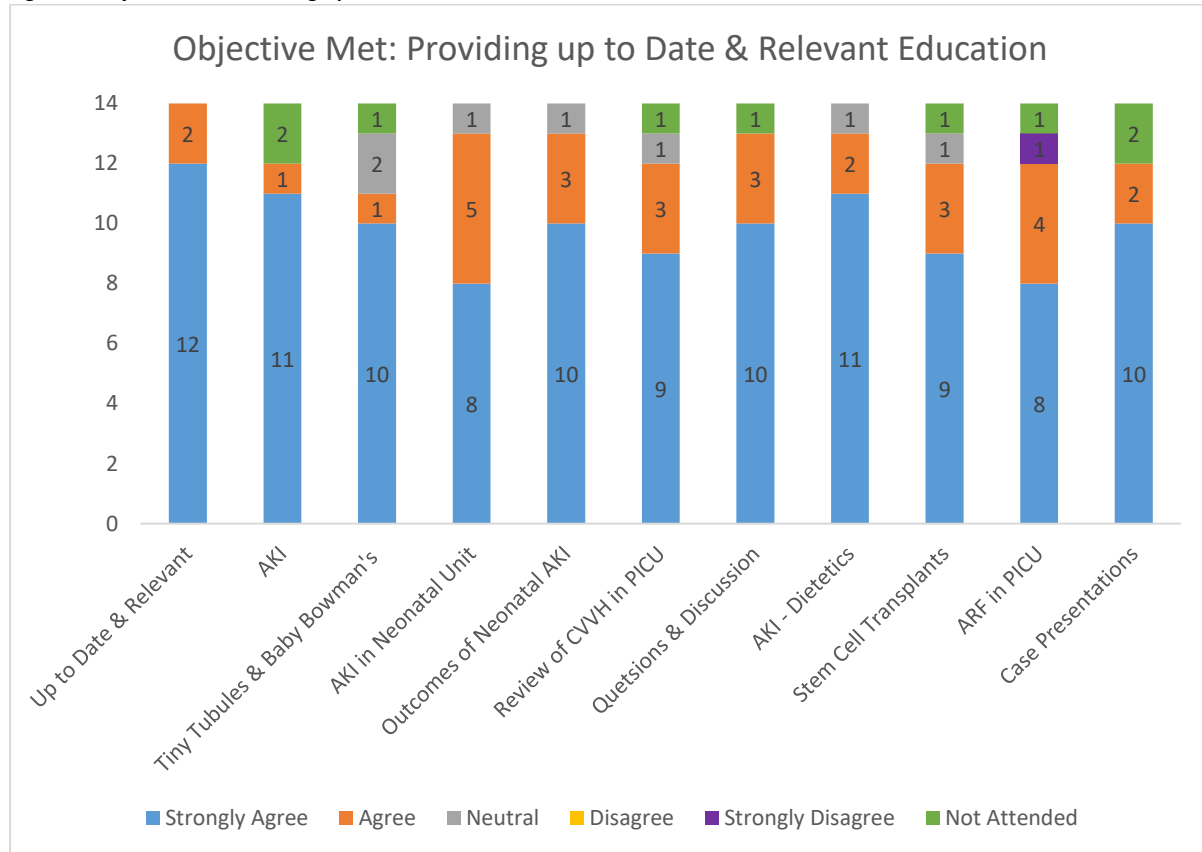
Figure 2 - Health Boards



The objective of this event was to provide relevant and up to date education for professionals who care for children with AKI. Attendees were asked if this objective had been met both overall and for each topic.

Figure 3 shows the responses received.

Figure 3 - Objective Met: Providing Up to Date & Relevant Education



Additional Benefits

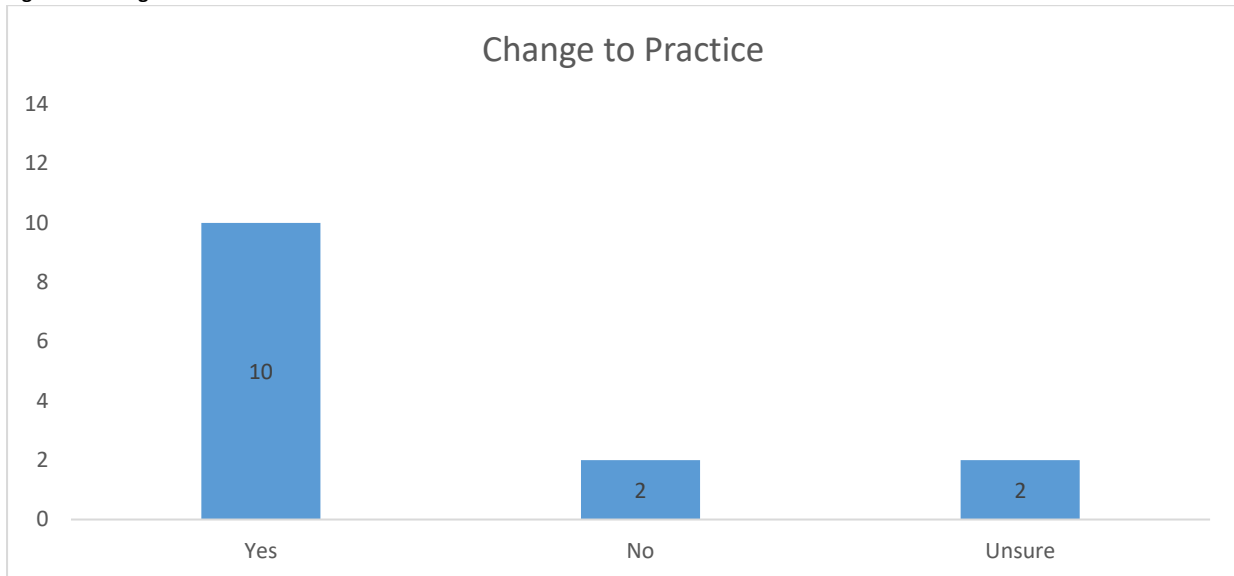
Participants were asked what they had gained as a result of attending this event. The general consensus was that the event had provided a lot of useful information. This included increasing confidence/knowledge and understanding or generated ideas for improvement/consideration (e.g. diagnosis, management, treatment plans, prognosis, risk awareness and ethics). Other points noted were around Neonates and included risk awareness for this patient group, addressing issues, clarifying follow up post AKI and engagement with Neonatal staff. One quote is noted below:

“The neonatal session has enabled me to go forward and address this issue locally with greater insight and more tools to aid practice development.”

Practice Changes

The vast majority (71%) of respondents indicated that their practice would change as a result of attending the event as indicated in Figure 4 - Change to Practice (below).

Figure 4 - Change to Practice



Participants were asked how their practice would change as a result of attending this event and points are noted as below:

- Useful in terms of arranging follow up post AKI. Already started a NINJA style project in Lothian, but difficult to take further due to inadequate pharmacy staff, hopefully this will change in future when HEPMA makes it easier to identify nephrotoxics.
- Better understanding of the neonatal biochemistry.
- More vigilant to nephrotoxic medications, perhaps consider how to create alerts in our own department.
- Being more proactive in NICU.
- Better understanding of the follow-up requirements and importance of timing following discussion and input from the Nephrology team. Reinforcement of hyperkalaemia management and no requirement for insulin/dextrose.
- Will engage with NNU unit to clarify follow up post AKI and establish follow-up pathway.
- Better understanding of AKI, how it is managed within specialist units with provision of support to this group of children locally.
- Impetus to complete neonatal AKI guideline follow up.

Suggested Improvements to the Event

Participants were asked what could be done differently to improve these events. The majority of respondents indicated either that the event had been very well organised/chaired/presented with excellent information. Suggested improvements are as noted below:

- Being more practical around Neonatal AKI and framework/case studies around ethical discussions.
- Wider communication to trainees and general paediatricians - this day was also relevant to a broader audience.
- Format is great but please keep it simple.

Future topics

Suggested future topics were:

- Genetics.
- Tubular disorders.
- PUJ and vesicostomy/bladder augmentation.
- Fluid management e.g. "maintenance" vs hyper hydration.
- Renal osteodystrophy.
- UTI guideline.
- Something basic at a nursing level - UTI, HSP, nephrotic syndrome, suprapubic catheter, medicines, 24hr BP monitoring and interpreting, fluid intake, bladder scanning, urine collection, blood profile, up to date guidelines, uroflow interpretation and BP.

Additional Comments

The event was extremely positively received and many thanks were given for hosting an informative, helpful and well organised educational event. Although the virtual meeting was well received, one colleague stated that it would be good to meet face to face again when circumstances allowed. A sample of other comments received are as noted below:

- Great study day, great speakers, thanks to everyone!
- Enjoyed the day although did not manage to catch it all due to work commitments. If attending in person you can pay full attention.
- Thanks for hosting the event in challenging times via Teams.
- Excellent organisation Peter and really as a team SPRUN is really revitalised.
- Format is great but please keep it simple.
- Very interesting, enjoyed all presentations and the case presentations, dietician advice on recommended diet.
- Some of it not relevant to my role and more for specialised units but it was interesting and still good for own knowledge and understanding. Really well organised, well done all.

Summary & Conclusion

There were 25 delegates who attended. 14 responses were received to the evaluation giving a response rate of 56%. The vast majority of respondents (86%) indicated that the overall objective of providing up to date/relevant education had been met. Over 60% of respondents strongly agreed that the objective had been met for each of the individual presentations (with the exception of AKI in Neonatal Unit and ARF in PICU at 57%). The majority of others either agreed, did not attend or remained neutral. However, one attendee strongly disagreed that the objective had been met in the ARF in PICU presentation.

New/improved approaches to AKI patient pathways was the main theme around changes to practice.

Overall, the event was a great success. SPRUN will review all feedback, explore how it can be utilised to shape, and further improve future events.

Recommendations

- To explore opportunities for some more practical based presentations.
- To consider simplifying content presented at events.
- To explore wider advertisement.
- To cover suggested topics at future events.
- To complete Neonatal AKI follow up guideline.