

Scottish Paediatric Renal Urology Network

Nephrotic Syndrome Teaching Session Evaluation Report

September 2021

The Scottish Paediatric Renal Urology Network (SPRUN) hosted a Nephrotic syndrome Teaching Session on Thursday 30th September 2021. Results from the evaluation are as follows.

There were 31 delegates that attended. Evaluations were received from 17 attendees making the response rate 55%.

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

Figure 1 - Designation

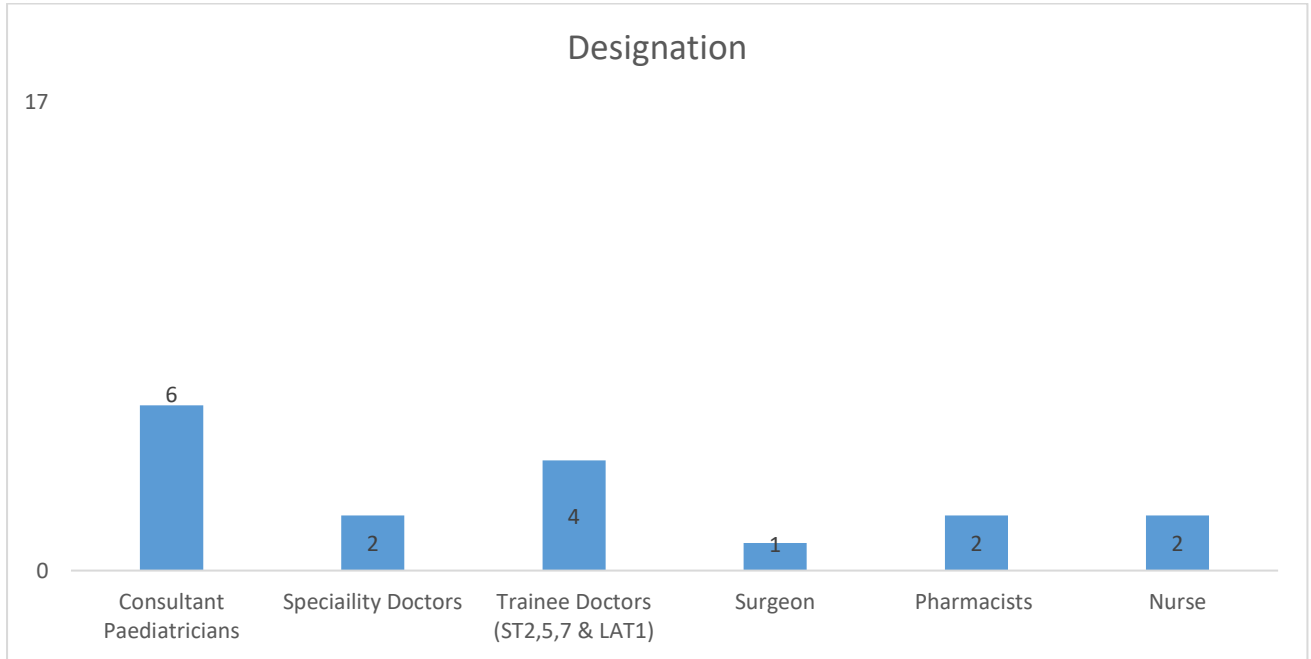
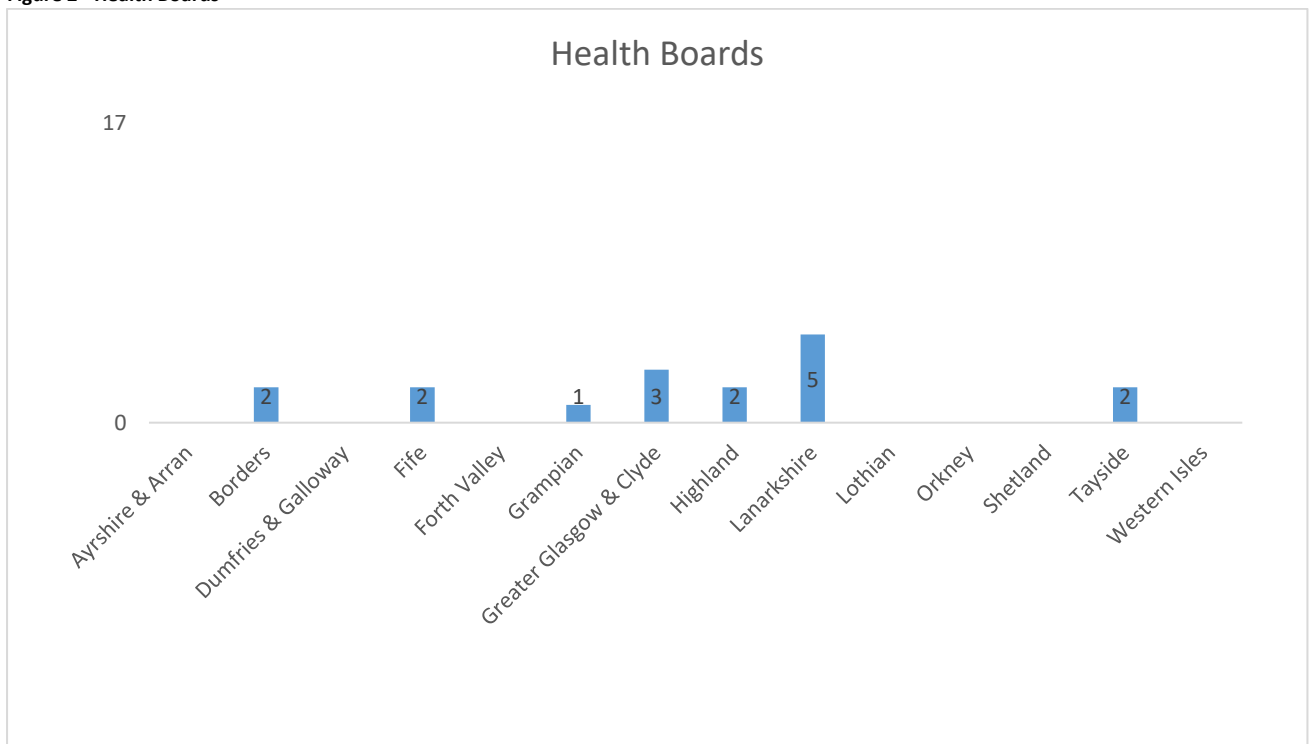


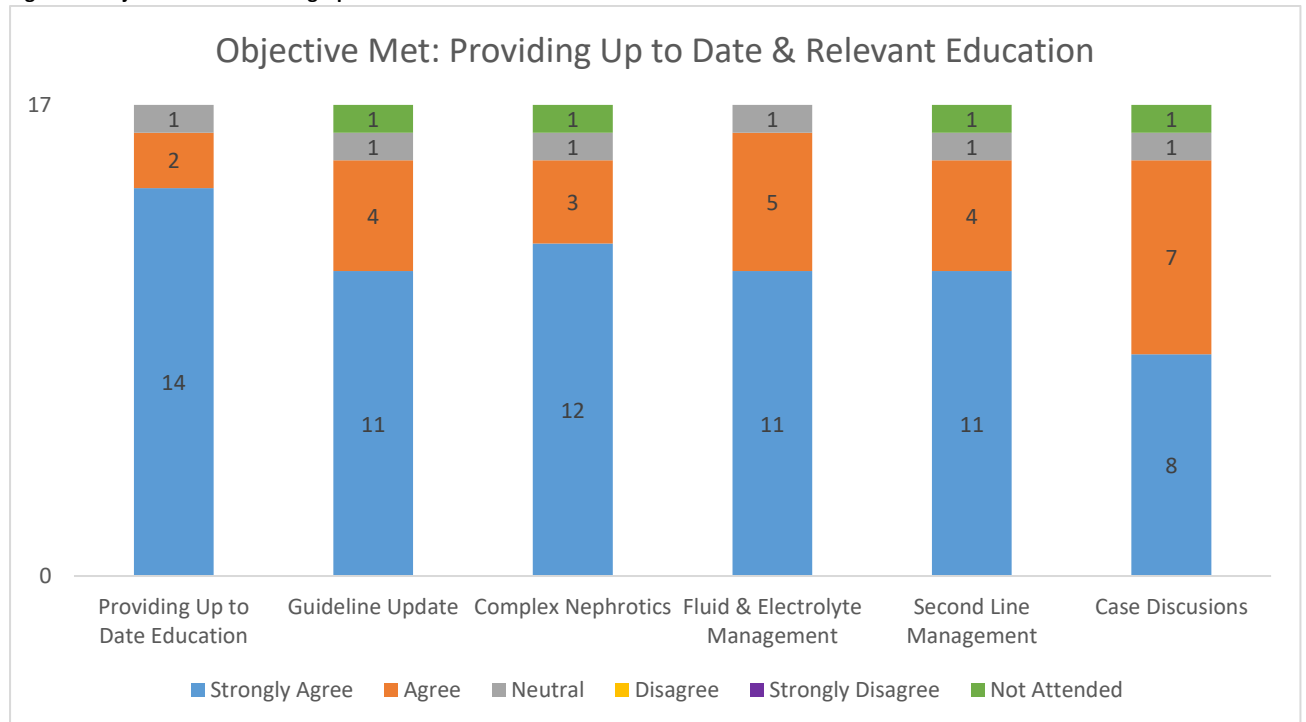
Figure 2 - Health Boards



The objective of this event was to provide relevant and up to date education for professionals who care for children with Nephrotic syndrome. 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



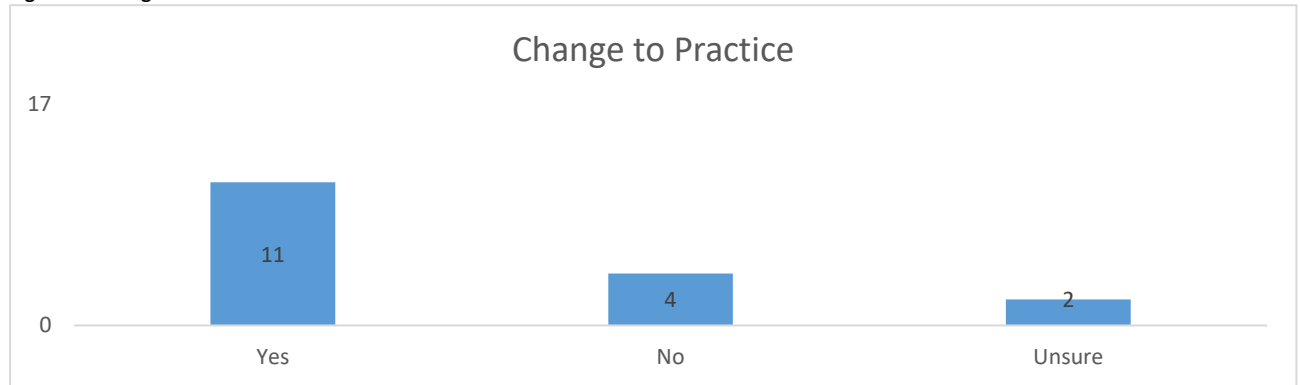
Additional Benefits

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 updating current practice, increased confidence/knowledge and understanding or generated ideas for improvement/consideration (e.g. communication with families in relation to treatment priorities, GP/primary care - considering geography, compliance etc.). Other points included awareness of different treatment options and their risks/benefits/disadvantages, pathophysiology underpinning the important issue of fluid management/drug treatment in relapsing patients and increased overview of medical challenges with the non-standard or resistant cases. The Nephrotic syndrome guideline was thought to be useful in practice and a participant indicated they had a clearer understanding of key points in assessing Nephrotic patients.

Practice Changes

The majority (65%) 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 below:

- Advice on relapse management in community.
- More confident when thinking about second line agents but would still be in discussion with Nephrologist.
- Will give second line agents longer to see if effective.
- Start to use Amiloride in selected cases with resistant oedema.
- Feel better equipped to assess a child's hydration status and have a better understanding of use of albumin and diuretics.
- Close liaison with the SPRUN network early in the clinical management of cases of Nephrotic syndrome.
- Better understanding but not relevant to my caseload.
- Need to consider thrombosis risk more.
- Using new guidance particularly with relapse patients. Have clearer idea on how to manage these.
- May not necessarily change but is better informed - in that can access up to date guidance to inform decision making and have better understanding of the role of different medications.
- Focus on assessing accurate volume status of the child and not rely on serum albumin levels.
- Early discussion with Nephrologist if volume replacement is anticipated.
- More rational approach to management.

Suggested Improvements to the Event

Participants were asked what could be done differently to improve these events. The majority of respondents either had no suggested improvements or did not respond (35% equal split). Additional comments included brilliant presentations, awaiting updated guideline and that the event was very well organised. Suggested improvements are as noted below:

- Link to meeting on website as lost access to email at crucial time.
- Would be helpful to know in advance (6 weeks) so that we can cancel clinics etc.
- Similar SPRUN teaching events focussing on one or two topics (i.e. UTI, HUS etc.) rather than several topics will be useful.
- Time for case presentations (last part of the event) could have been shorter.
- Would have been useful to be sent the link to join the event, well in advance. Did not get info about joining link until a day before, was worried that may have been missed out.

- Was looking for more of a basic education and treatment on children first presenting and initial care.

Future topics

Hypokalaemia was suggested by 12% of respondents. Another participant suggested including renal causes and chronic hypokalaemia conditions as well as hyperkalaemia. Additional topics included:

- Nephrocalcinosis.
- Bladder issues/kidney transplant follow up regimes.
- Prognostic factors in Nephrotic syndrome.
- Hypo and hypernatremia.
- Acute Kidney Injury, management of these and challenging cases.
- DGH management of Haemolytic Uraemic Syndrome.
- Tubulopathies.
- Chronic Kidney Disease.

Additional Comments

The event was extremely positively received and many thanks were given for hosting an informative, helpful educational event. One attendee mentioned that they had learnt a lot. Another stated that they enjoyed the format of the meeting. 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 quote from one participant is below:

“Talk given by Dr Lewis on fluid management was excellent. This teaching session was overall one of the best I have attended this year. Thank you for arranging this via Ms Teams which enabled me (and several others) to attend and benefit - may not have been possible to attend if this was a face to face event (requiring study leave / travelling etc.)”

Summary & Conclusion

There were 31 delegates who attended the event. 17 responses to the evaluation were received giving a response rate of 55%. The vast majority of respondents (82%) indicated that the overall objective of providing up to date education had been met. Over 60% of respondents strongly agreed that the objective had been met for each of the individual presentations with exception of the case discussions at 47%. Others either agreed, remained neutral or did not attend for that particular part of the education session.

New/improved/updated approaches to treatment for Nephrotic syndrome patients were the main themes around changes to practice. These included management of relapsing patients, use of second line agents/diuretics/albumin, assessing hydration status and discussion with the specialist team as required.

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 advertise events at least six weeks in advance, where possible
- To consider placing a link to the meeting on the SPRUN website and circulating well in advance.
- To consider hosting similar events focussing on one or two topics.
- To consider shorter period of time for case discussions.
- To consider more of basic education and treatment on children first presenting and initial care.