

Report for ASPAflex series webinar 9 by Evangeline Lim lead for webinar 9

NORA for kids: perspectives on providing better care for children outside the operating room held on 21st March 2021, 1700h Singapore time

Introduction:

The focus of this webinar was on the provision of anaesthetic care for children outside the operating theatre. NORA (non- operating room anaesthesia) has become increasingly common over the years with medical advancement and yet providing care for children outside the operating theatre can prove to be challenging with the lack of appropriate skilled staff, up to date equipment and monitoring, and having to work in unfamiliar environments with potential hazards such as radiation. The patient may also be physically unwell with many of them being ASA 2 or 3 or sometimes even ASA 4 patients. Anaesthetists may also not understand fully what procedures done in settings like the interventional radiology suite entail and what the hazards associated with these procedures might be. Studies have shown an increased risk of adverse events and complications associated with NORA. We invited 5 speakers to share their perspectives on different aspects of NORA including endoscopy, radiotherapy, interventional radiology and the care of paediatric patients with cardiac disease in the NORA setting.

Speakers in order of appearance:

1. Dr Sanjay Prabhu, a consultant paediatric anaesthetist from Apollo Children's Hospital in Chennai, India. "Anaesthesia for paediatric gastrointestinal endoscopy".
Survey results from previous ASPAflex webinars had revealed an interest in anaesthesia for endoscopy and this was directly addressed at this webinar.
2. Dr Sreehanthan Sundaraghavan, consultant pediatric cardiologist, KK Women's and Children's Hospital, Singapore. "Cardiac considerations for paediatric anaesthetists- familiarity in unfamiliar spaces"
He broaden our knowledge on how to care for children with cardiac disease outside the operating room including the cardiac catheterization laboratory.
3. Dr Luke Toh, Consultant interventional radiologist, KK Women's and Children's Hospital, Singapore. " Working with the PIR-caution"
Dr Toh shared on common interventional radiology procedures and the things anaesthetists should be aware about.
4. Dr Lim Suan Ling, consultant paediatric anaesthetist from KK Women's and Children's Hospital, Singapore. "NORA for paediatric oncology: a shared journey"
This talk focused on the multidisciplinary approach to provide holistic care for paediatric oncology patients.
5. Dr Vivian Yuen, Chief and consultant paediatric anesthesiologist, Hong Kong Children's Hospital, Hong Kong. "A challenging case in RT suite"
This was a case based discussion on the provision of sedation for a child undergoing radiotherapy in prone position and engaged the audience through polling.

Moderators:

1. Dr Vibhavari Naik, Senior Consultant anaesthetist, Basavatarakam Indo-American Cancer Hospital and Research Institute, Hyderabad, India
2. Dr Evangeline Lim, Senior Consultant anaesthetist, KK Women's and Children's Hospital Singapore

IT support:

Dr Teddy Fabila, Resident Physician and Children's Pain Specialist at the KK Women's and Children's Hospital

Registration and participation:

Registered no. 709

Unique viewers 430

Max concurrent users: 364

The actual duration of the webinar was 111 min including question and answer.

All questions in the Q&A were answered either live or via text

Participants were also encouraged to view our previous ASPA flex webinar 5 on sedation recording which is available on YouTube.

The webinar was uploaded on YouTube on 21st March 2021

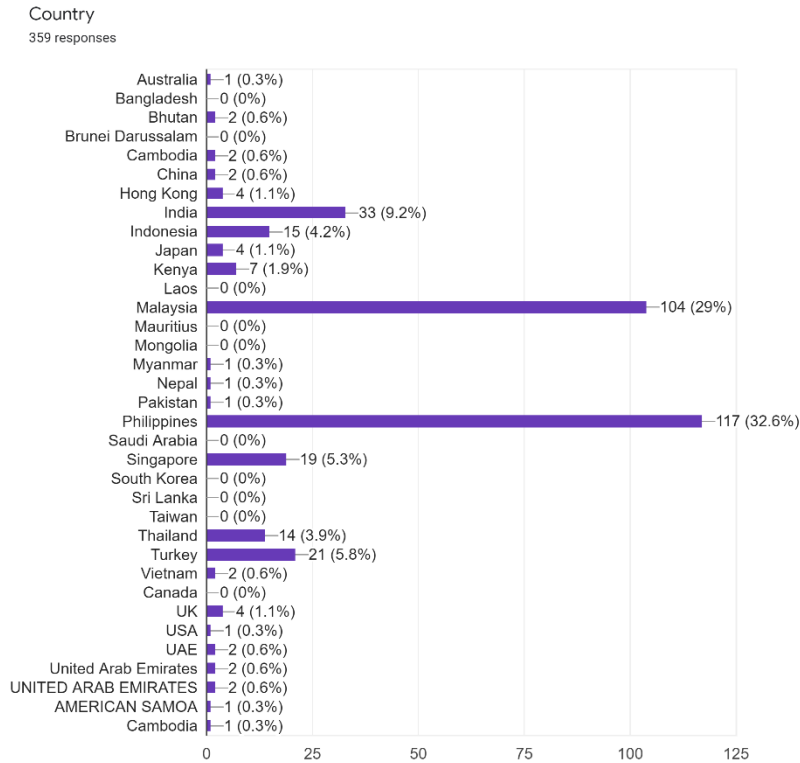
Learning points from this webinar

1. All speakers pre-recorded their talks. They were provided some instructions and briefed to keep their talk within 15 mins and not to exceed 20 mins
 - a. This enabled only 1 practice session to be conducted and the webinar to be kept to under 2 hours
 - b. It also allowed for smoother conduct of the audience polling on the zoom platform
2. One participant commented on repeated failure to obtain an attendance certificate despite completing the post webinar survey
 - a. We investigated and noted that it may be related to high volume of traffic post webinar that may have overwhelmed the ability of the app that autogenerates the attendance certificate
 - b. This may be addressed with instructions at the next ASPA-FLEX webinar to fill in the survey via the email link that is sent the following day after the webinar
 - c. In the case of this particular participant, we manually generated an attendance certificate for ASPA-FLEX webinar 9 and emailed it directly to the participant with the offer to generate attendance certificates for previous ASPA flex webinars.

Results of the post ASPA-FLEX webinar 9 survey

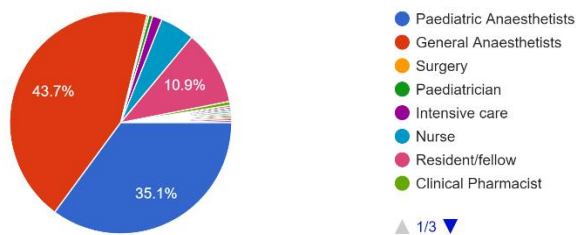
This survey received 359 responses

1. Most of the respondents came from Philippines, Malaysia and India



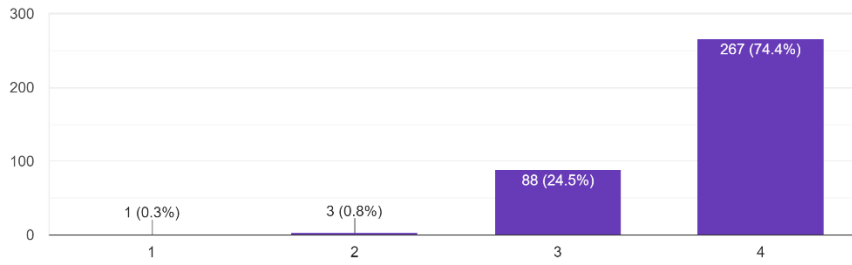
2. Most respondents were general anaesthetists followed by paediatric anaesthetists

Clinical/Professional Specialty
359 responses



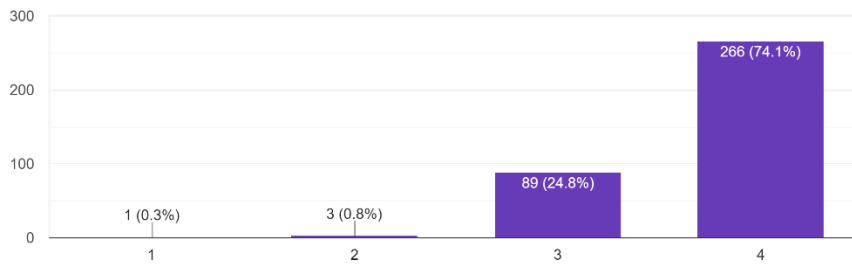
ASPA-FLEX Webinar delivered information I expected to receive .

359 responses



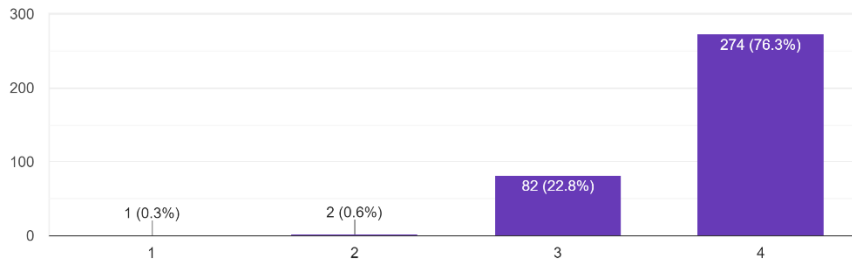
I plan to apply what I learnt from this webinar.

359 responses



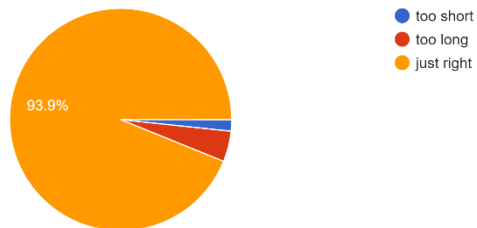
I gained new knowledge

359 responses

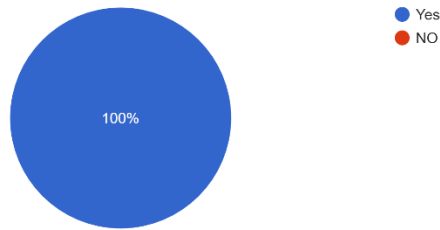


The duration of the webinar was:

359 responses



I would recommend this webinar series to fellow healthcare professionals.
359 responses



What the audience liked about the webinar (summarized)

1. Dr Vivian's interactive session, case example and drug combinations algorithms for paediatric sedation of children undergoing radiotherapy: this appeared the most popular talk from the number of comments about it
2. The Q&A session
3. Dr Lim Suan Ling's talk
4. The fact that both cardiologist and radiologist emphasized that it is crucial to communicate
5. All the talks were interesting
6. The IT person
7. Every topic was relevant: quite a few commented on how they liked all talks, informative
8. Anaesthesia for paediatric endoscopy
9. The use of polling
10. Excellent sharing of experiences
11. Relevance to practice
12. All questions were addressed
13. Great speakers
14. The discussion part
15. Comprehensive talks
16. Webinar answered some queries on sedation
17. All lectures were helpful to practice/ liked everything
18. Content was useful
19. 2 specifically mentioned the best part of the webinar was on cardiac considerations
20. One participant from the UK mentioned the timing of the webinar was good for people in the UK since it is morning their end

How to improve the webinar (134 comments but I've summarized them)

Many liked it as it is and think we do a good job that is near perfect

1. Audio could be improved
2. One suggested distribute slides
3. One wanted freebies
4. More ASPAflex webinars/ interesting topics
5. More polling in future webinars (quite a few wanted this)
6. More speakers

7. 2 wanted shorter duration
8. 4 wanted earlier start (2 suggested 4pm)
9. Pain management topics
10. Consistent review of literature with references to support presentation
11. One suggested there should be one case based discussion in every session
12. Subtitle for recording
13. Videos of actual cases rather than slides
14. Give a chance to speakers from Africa (we should!)
15. Have speaker image on the side and not overlapping the slides
16. More practical tips
17. One participant wants a webinar every week

What other topics to be discussed at future webinars

Neuroanaesthesia/ neuro-monitoring

Pain management (many requests)

Sedation in mentally challenged paediatric patients/ autism/ ADHD/cerebral palsy for MRI

Pediatric organ transplantation (2)

Premedication

Fasting protocols

Preoperative consultation

Difficult Airway/Post extubation stridor in non- airway surgery

Regional anaesthesia (many requests but we will be doing this in June/July 2021 anyways)

Fetal anaesthesia/ surgery/ EXIT procedure

Cardiac intervention and anaesthesia goals

Fluids (must have missed last one)

ERAS

Emergency resuscitation/ crisis management

More holistic approach in paediatric anaesthesia

Premature baby and challenges

Infection control/ management of septic patient

How to set up trust and charities to subsidize paediatric anaesthesia and surgery

Congenital heart disease

Newer paediatric monitoring devices

Use of dexmedetomidine

COVID updates in paediatric anesthesia

Vascular access (will be done)

Updates and controversies

Anaesthesia for head and neck procedures including PNB