Conversion of a Face-to-Face Trainees' Masterclass to a Virtual Event

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Introduction

- Every year the RCPCH Paediatric Intensive Care Medicine (PICM) specialty trainees in the UK present cases at a "Summer Masterclass". The case consists of a short presentation of an interesting case followed by questions. It also involves external speakers brought in to talk on subjects relevant to PICM training.
- During this Masterclass they also have their College Specialty Advisory Committee (CSAC) progression meeting
- Each year a different intensive care hosts the event
- In 2020 the Masterclass was cancelled due to the social distancing considerations of the COVID-19 pandemic, meaning trainees missed out on an important educational and social event

Aim

- Our aim was to design, implement and evaluate a virtual two-day Masterclass for the PICM trainees

Methods

Design

- A Masterclass Organising Team (MOT) was created and members were assigned specific roles
- The team met virtually to discuss the event
- The team brainstormed ideas for themes for each day of the event and contacted appropriate external speakers via email and social media
- The trainees were contacted via email and asked to submit two abstracts. After review by the MOT, one was selected per trainee to present.
- The programme, incorporating specific timings for the trainee presentations and external speakers, was emailed to all trainees and advertised on Twitter
- Zoom v5.6.7 was used as an online video conference platform. "Break out" rooms were designed so that trainees could have their CSAC meetings during the event
- Consultants from Birmingham Children's Hospital marked trainee presentations. A marking sheet was designed to give trainees a point score for their presentation and a prize was offered to the highest-scoring presentation
- A social programme was planned for the evening of the second day

Implementation

- Each morning the faculty and CSAC met to discuss running the day
- A "backstage" team was used to ensure the smooth running of the day and to pull trainees into their "Break out" rooms to a CSAC meeting for 25 minutes to talk through their progression
- Each trainee presented for 7 minutes with 3 minutes for questions from their marker and the audience.
- The chat function of Zoom was also used to have further discussion
- The two winning trainees won prizes which were sent out via post

Evaluation

- Survey Monkey was sent to all attendees. Completion of the survey was mandatory for PICM trainees.
- The survey quantitatively analysed the impressions of the content and organisation and asked for qualitative feedback
- A thematic analysis of the feedback was performed by two of the authors independently
- Twitter data was evaluated looking at the number of tweets and impressions
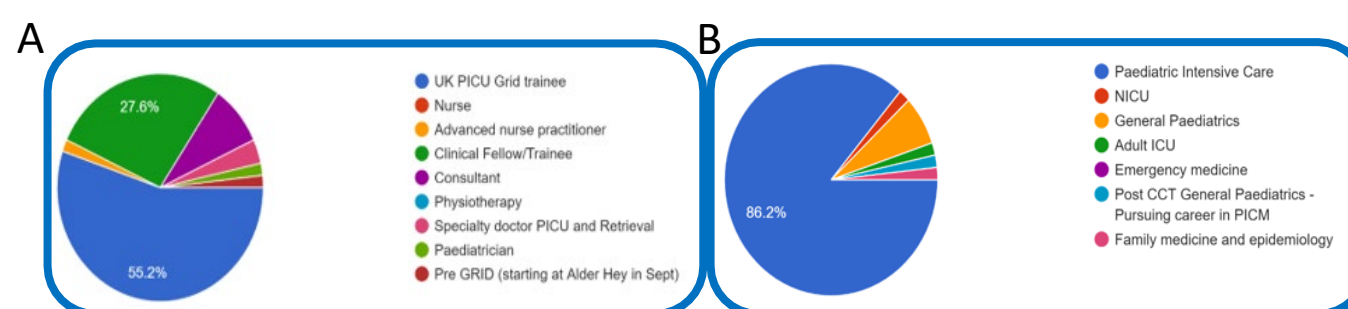
Results

Demographics and Impact

- The event reached an international audience with 12 countries represented and 16 UK intensive care units. *Table 1*
- The attendees included a wide range of job roles and specialities including PICM, general paediatrics, nursing, physiotherapy, anaesthetics and emergency medicine. *Fig 1*
- The event saw more than 500,000 Twitter impressions

Table 1 – Demographics of attendees	Day 1	Day 2
PICM trainees	32	32
Total attendees	316	209
Total Countries	12	12
UK PICM centres	16	16

The Numbers

533.948K Impressions
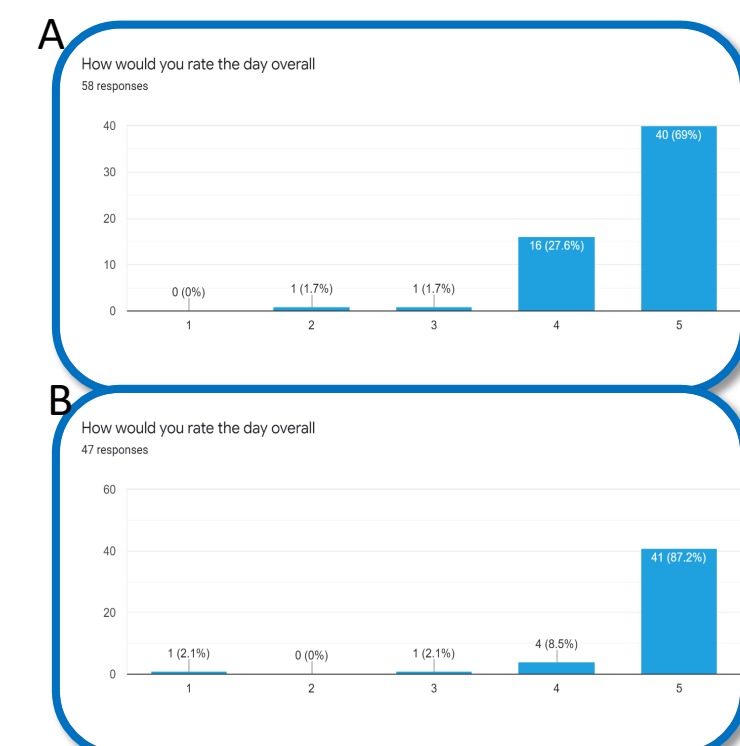
226 Tweets

Figure 1: A) Job roles of attendees B) Specialities of attendees

Feedback from attendees

- 58 attendees responded to the feedback for day one and 47 for day two
- Overall the day was rated as excellent (69% on day one, 87% on day two) *Fig. 1*
- Organisation and running of the day received only positive feedback
- Despite the online forum, the feedback generally favoured the interactivity of the day (62.1% rated very good or excellent on day one, 85.1% on day two)

Figure 2: A) Day one overall rating B) Day two overall rating (1- could be better to 5-excellent)

Thematic analysis

Accessibility and flexibility of an online platform
'Very straight forward'
'Seamless connectivity'

Opportunity to socialise with peers
'Great interaction'
'Sharing experience'

Diversity of the outside speakers
'the best talks I've been to on zoom'
'Really inspiring speakers'

Conclusions

- Technology was used successfully to design and deliver a comprehensive educational package for PICM trainees as well as allowing them to complete their mandatory CSAC meetings and have a social event
- A wider audience was reached by use of an online platform, allowing attendance from international trainees and those who would otherwise have not been able to attend (e.g. those on maternity leave)
- Future events might use a hybrid of online and face-to-face teaching to capitalise on the benefits that both formats provide