Discussion Improvisation is an innovative style of simulation-based education that allows learners to effectively define and address their own learning needs. Placing the learner in control of the content of the study day is the principal difference between Improvisation and standard models of simulation. We found that medical students were able to highlight and address learning needs that may not have been fully covered through our existing portfolio of simulation scenarios. We found learners used the opportunity to build on knowledge and share it with peers.

G193 CAN ONLINE LEARNING RESOURCES OVERCOME THE CHALLENGES OF DISTANCE LEARNING FOR POSTGRADUATE TRAINEES IN PAEDIATRICS WITHOUT IMPACTING PERFORMANCE?

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10.1136/archdischild-2020-rcpch.163

Background We have previously demonstrated that key components of the regional PGME paediatric teaching programme can be shared with the Advanced Clinical Practice (ACP) Paediatric MSc Programme. Both share archived material online and live streamed teaching sessions. This allows students geographically distant from the teaching location to access the MSc Programme. A recent survey of our paediatric trainees returning to training (RTT) revealed a similar need for accessing the regional training programme from more distant locations. We investigated whether the same learning outcomes can be achieved with remote online access by comparing how ACP trainees access the learning resources and their summative assessment results based on their distance from the teaching location.

Methods We stratified ACP trainees according to distance between workplace and teaching location with those in the upper quartile classified as distance learners. Using student's access data, we calculated the number and length of sessions accessed online. The amount of sessions where online resources were used instead of face to face teaching was compared between the distance learning group and the remaining trainees, alongside their mean exam performance across the MSc programme.

Results 77 trainees' data was analysed with a range in distance of 0–264 miles from the teaching location (median 8.5 miles, IQR 0–28 miles). 475 hours of access data was analysed from all 4 modules of the course over 3 years. Distance learners attended more live streamed sessions online than those who lived closer (median 84% vs 32% $p=0.00001$) yet the amount of archived material accessed was similar (14.4 vs 15.4 hr, $p=0.9442$). This suggests it is convenience rather than a predisposition that encourages students to choose online access methods. Despite this we did not demonstrate any difference between their summative exam result (70% vs 67% $p=0.169$) or within individual modules, years or pathways.

Conclusion ACP MSc students prefer online methods of learning if they are based a greater distance from teaching locations and this does not impact their performance in summative assessments. This indicates paediatricians RTT with similar distance learning needs may also benefit from accessing online training opportunities in this way.

G194 STEP-UP TO CONSULTANT: INNOVATIVE SIMULATION PREPARING TRAINEES FOR THE CONSULTANT ROLE

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10.1136/archdischild-2020-rcpch.164

Background The transition from paediatric trainee to consultant has long been acknowledged as challenging. The RCPCH has implemented the START assessment and 'Stepping Up' programme to address this, but senior paediatric trainees remain apprehensive about their first consultant roles. When surveyed, they express particular concern about decisions trainees rarely get to practice, such as stopping CPR, managing junior colleagues and being on call from home.

Aims Design a simulation-based education programme to prepare general and subspecialty paediatric trainees for the consultant role.

Methods We conducted thematic analysis of trainee concerns from a 2017 RCPCH conference survey. These themes were developed into a framework of six domains which described different aspects of the consultant role: leader, educator, nurturer, juggler, negotiator and communicator. We designed challenging scenarios to test these domains, relevant to all trainees, and delivered two days of simulation-based education to 11 ST6-8 candidates. Given the high degree of difficulty, we recruited a specialist consultant-heavy faculty and took steps to protect candidates' psychological safety. Our programme included simulation innovations such as waking candidates with an overnight phone call, managing multiple clinical areas simultaneously and balancing clinical and non-clinical pressures.

Results 10 of 11 candidates gave us feedback, with 10/10 reporting they felt significantly more confident and competent to perform as consultants. 9/10 candidates felt simulation was superior to all other methods in preparing for difficult aspects of the consultant role. 6 candidates later approached us independently to report that they felt our course was more useful than the RCPCH START assessment.

Conclusions We have demonstrated that simulation is an effective tool to prepare senior trainees for transition to the consultant role. We intend to run this course on a regular basis for interested senior trainees across the UK.

G195 WHO'S THE LEAD? CAN A NOVEL TOOL AND TARGETED SIMULATION TRAINING IMPROVE PAEDIATRIC EMERGENCY LEADERSHIP?

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10.1136/archdischild-2020-rcpch.165

Aims To prospectively measure the impact of the Leadership In Medical Emergencies (LIME) course through objective measurements of self and team perception of leadership and teamwork.

Methods 7 paediatric practitioners attended a one-day LIME course which introduced Crisis Resource Management and a novel LEAD-A-Team tool (table 1) followed by 8 simulated emergencies. Modified-Concise Assessment of Leadership Management (CALM) score was prospectively recorded by the leader and an observer. CALM (Nadkarni et al.) was modified to better reflect LEAD-A-Team, resulting in a maximum score

Abstract G195 Table 1 'LEAD-A-Team'

L	State you are the Leader
E	Stand at End of bed
A	Allocate roles
D	Describe mental model
-A-	Use the Algorithm
TEAM	Ask Team for feedback

Abstract G195 Table 2 Observer/Self reflection M-CALM Score (maximum 72) and teammonitor scores

Scenario (25 minutes)	Role	Faculty Feedback Score Mean 54 SD 4.63	Self Reflection Score Mean 54 SD 6.66	Faculty-Self Score	TeamMonitor Scores (r_s 0.69)
1	Consultant 1	47	50	-3	80.4%
2	ANP 1	61	44	+17	84.9%
3	Consultant 2	60	51	+9	80.5%
4	Consultant 3	49	52	-3	84.4%
5	Consultant 4	52	57	-5	80.2%
6	ST2	56	51	+5	88.5%
7	ANP 2	53	66	-13	91.0%
8	Consultant 2	56	62	-6	91.6%

of 72. TeamMonitor scores (Stocker et al.) were recorded by team members.

Results In 63% of scenarios, participants gave themselves a higher m-CALM score than the observer. Observer scores did not correlate with seniority. TeamMonitor scores were averaged and converted to percentages. There was an increase of 11% from first to last scenario and a linear relationship between TeamMonitor scores and simulation course time in minutes (Spearman correlation 0.69). We acknowledge that scenario 8 was the participant's second simulation (table 2).

Conclusions These results demonstrate differences between self-perceived and observed leadership. There does not appear to be a strong relationship between seniority and perceived leadership. The team's perception of performance improves as the course progresses suggesting the LIME course was impactful.

G196 THE FEAR OF LOSING A CHILD!

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10.1136/archdischild-2020-rcpch.166

Background Paramedics in Northern Ireland are expected to treat unwell children; perform life-saving interventions, in challenging surroundings with limited resources. Surprisingly, Northern Irish paramedic baseline paediatric education is minimal, and reliant on the 'Joint Colleges Ambulance Liaison Committee Clinical Guidelines' and personal experience to provide a solid foundation of knowledge. Furthermore, the

Northern Ireland Ambulance Service (NIAS) does not offer subsidised study leave. Approached by a paramedic crew, provoked by a number of tough, emotive paediatric call-outs, we conceived, designed and facilitated a collaborative, bespoke paramedic paediatric study day.

Aims

- To improve paramedic confidence in the management of unwell children.
- To provide an insight into hospital-based management of paediatric emergencies aimed to complement paramedic knowledge.
- To create a multidisciplinary forum for paramedics and paediatricians to network, improve relations and educate via a shared learning environment.

Methods

- Designed as a regional study day for NIAS members.
- Recruitment of paediatric intensivists, emergency consultants and senior paediatric trainees to facilitate lectures on emergencies; recognition, interventions and outcomes. Rotating skills stations focused on airway, cardiovascular management and an informative question and answering session.
- A simulated 'cot death' scenario to amalgamate learning objectives. A paramedic led pre-recorded out of hospital neonatal arrest call, streamed and continued in hospital with the emergency team receiving the patient. An actress played the role of the parent for authenticity.
- Responses evaluated via feedback forms.

Results This complimentary course was fully subscribed within five hours of advertisement. Fifty-five paramedics attended, 35 provided feedback; 100% felt more comfortable dealing with the unwell child after the course. Greater than 90% rated the skills station and lectures as extremely useful; simulation, validated by the actress was highlighted as 'innovative' and 'enlightening'. Further feedback read 'extremely beneficial day', 'thoroughly enjoyed and learned so much' and 'please, more of these events'. Suggested improvements included a bigger venue and more time.

Conclusion The course will run annually to facilitate regular paramedic training and enhance pre and in-hospital working relationships. The collaborative paramedic paediatric study day is a fabulous opportunity for all to progress in a shared learning environment, mutually respectful of the reality and fear of losing a child!

G198(P) STUDENTS' PERCEPTIONS OF PAEDIATRICS AND THE IMPACT OF A CAREERS WORKSHOP

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10.1136/archdischild-2020-rcpch.167

Aims Applications to specialty training are falling and retention of trainees is increasingly challenging. Clinical placements influence students' perceptions of a specialty and may impact on career choices. We evaluated medical students' views of Paediatrics before and after their placement and explored the effect of a focused Careers Workshop.

Methods A survey was distributed to medical students before (n=93) and after (n=74) their Child Heath block (*Standard Group*). Subsequently, a smaller group of students were invited