

**CATEGORY 4 POSTER WINNER**

**IMPACT OF IMMERSIVE SIMULATION TRAINING ON ON-CALL SHIFT CONFIDENCE OF TRUST GRADE DOCTORS WHO TRAINED OUTSIDE OF THE UK**

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**BACKGROUND:**

With, over 40% Of UK medical school graduates reporting feeling unprepared for starting foundation training; specifically being on-call, management of acute clinical situations, prescribing, clinical prioritisation and time management, it is unsurprising that trust grade doctors who have trained abroad find starting on-calls shifts in the UK daunting, having to swiftly adapt to a new, unfamiliar environment, different protocols and systems.

**METHODS:**

To aid the transition from shadowing UK doctors to working on-call shifts independently, we designed and implemented an immersive simulation programme for trust grade doctors (who completed undergraduate training abroad) starting work at the University Hospitals of Leicester Trust. The aims were to provide the trust grade doctors the opportunity to practice giving and receiving handover, responding to bleeps, task prioritisation, prescribing, medical telephone discussions, assessing acutely unwell patients, formulating management plans independently and familiarising themselves with the logistics of medical on call shifts.

Each 3 hour session consisted of 5 trust grade doctors being handed bleeps and being bleeped to attend to common on-call scenarios across a large University teaching hospital site; involving simulated patients and tutors examining them. Scenarios included common presentations and ward jobs such as patient with hyperkalaemia, prescribing warfarin, prescribing fluids for acute kidney injury, postoperative analgesia and sepsis stations. Students were able to phone a 'mock switchboard' allowing them to speak to seniors as in a real shift. Participants received a handover before 'their shift' and were expected to handover sick patients afterwards. They then receive personalised one-to-one feedback regarding their performance and tips for on-call shifts.

**RESULTS AND CONCLUSIONS:**

Primary outcomes measured to assess the efficacy of our high-fidelity simulation programme were overall on-call confidence, managing acutely unwell patients, giving and receiving handovers, telephone discussions with other disciplines, task prioritisation, time management, escalating sick patient appropriately. These were measured qualitatively with pre and post-confidence questionnaires. Additionally we followed up the participants once they had commenced independent on-call shiftwork, to assess the impact of our programme on their practice. Our on-call simulation programme has significantly boosted trust grade doctors' confidence levels regarding independent on-call shift work.