

A national evaluation of how prepared and confident medical students and foundation year doctors feel prior to starting their surgical jobs.

Lawrence Tan, William Mullins, Jessica Shea, Alice Gargan, Jennifer Townsend, Kate Gargan, James Brice, Claire Jang, Shivani Shukla, Aqua Asif, Monty Fricker, Midhun Mohan, Arjun Nathan

Presented by: Jessie Shea and Lawrence Tan

Introduction

- Anecdotal evidence suggests FY doctors are less confident going into surgical rotations than medical rotations
- Our study aimed to evaluate confidence and self-reported preparedness for surgical rotations



Methods

- Online questionnaire distributed nationally
- Demographic data, previous surgical experience, interest in surgery and attitudes concerning participants' confidence in surgery were collected

Q4.5 How satisfied are you with the quality of surgical teaching you have experienced at medical school?

- Extremely dissatisfied (25)
- Somewhat dissatisfied (26)
- Neither satisfied nor dissatisfied (27)
- Somewhat satisfied (28)
- Extremely satisfied (29)

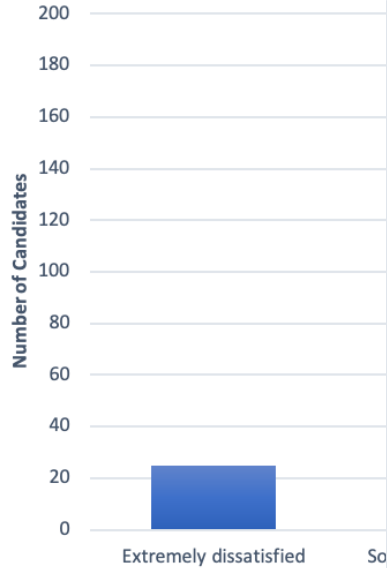
Q4.6 To what extent do you agree with the statement: 'My medical school surgery placements have prepared me well to manage common tasks faced by surgical foundation doctors.'

- Strongly disagree (11)
- Somewhat disagree (12)
- Neither agree nor disagree (13)
- Somewhat agree (14)
- Strongly agree (15)

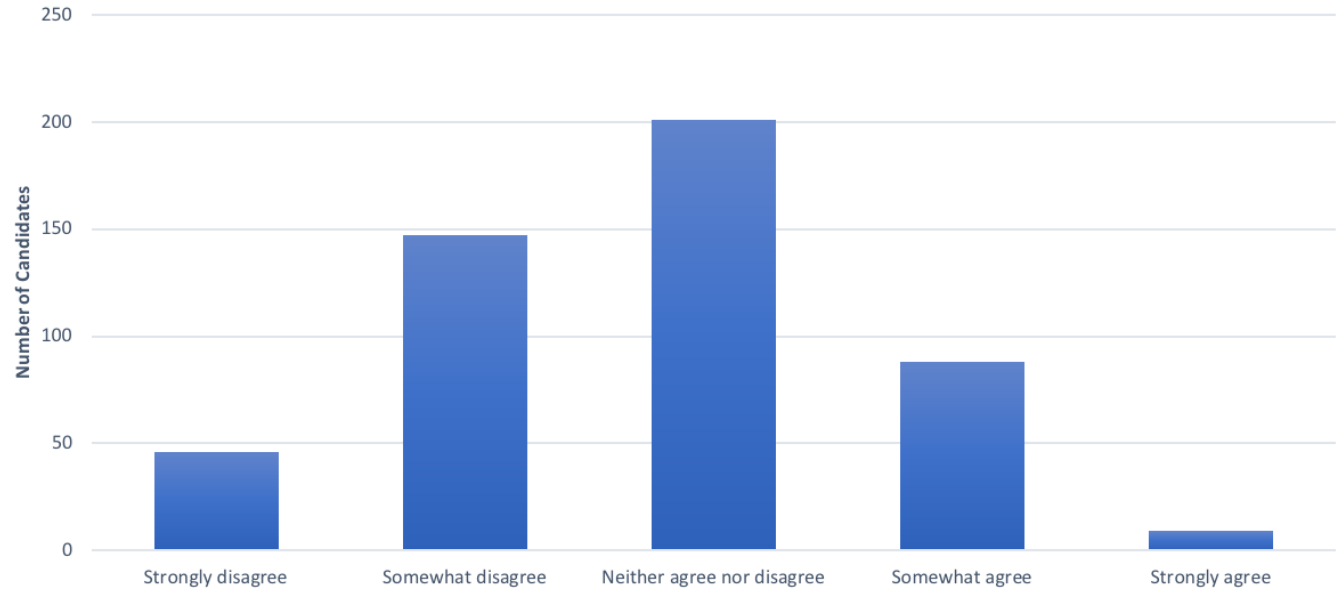
Results

- 491 participants (65% female, 35% male) completed our questionnaire
 - 84% from 36 UK medical schools
 - 16% foundation doctors
- 80% were likely to pursue a career in surgery
- Internal reliability in measuring attitudes towards confidence in surgery ($\alpha=0.939$) was high.

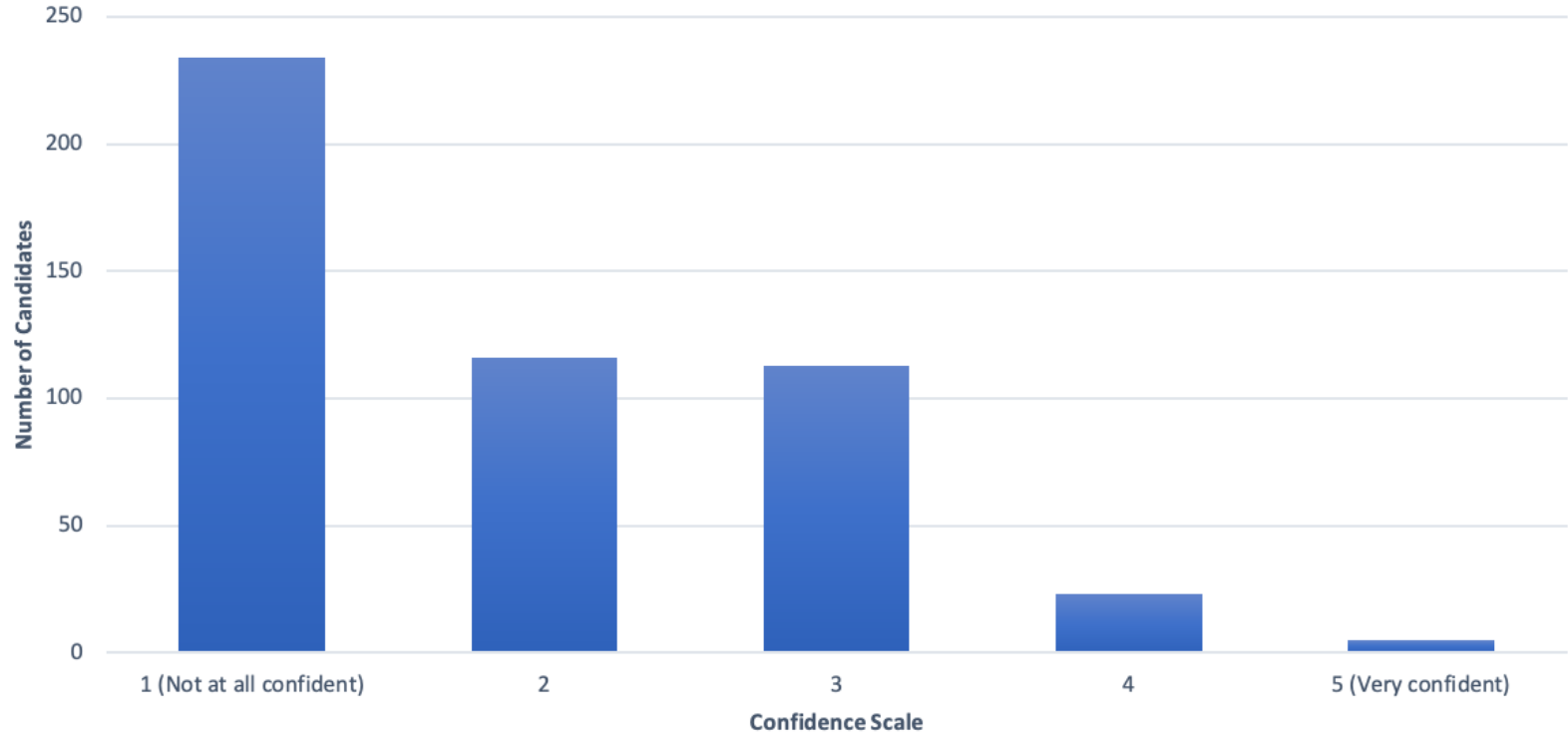
How satisfied are you with the quality of surgical teaching you have experienced at medical school?



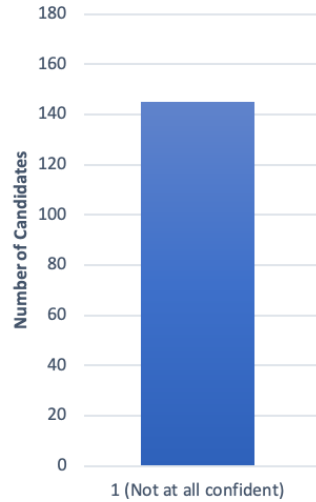
My medical school surgery placements have prepared me well to manage common tasks faced by surgical foundation doctors



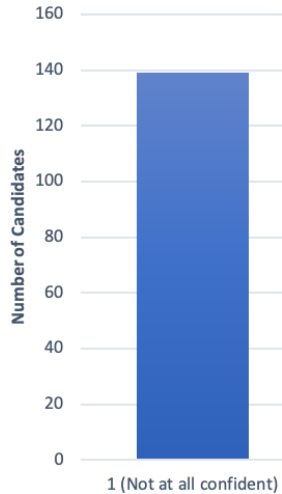
Confidence in Starting a First Surgical Job



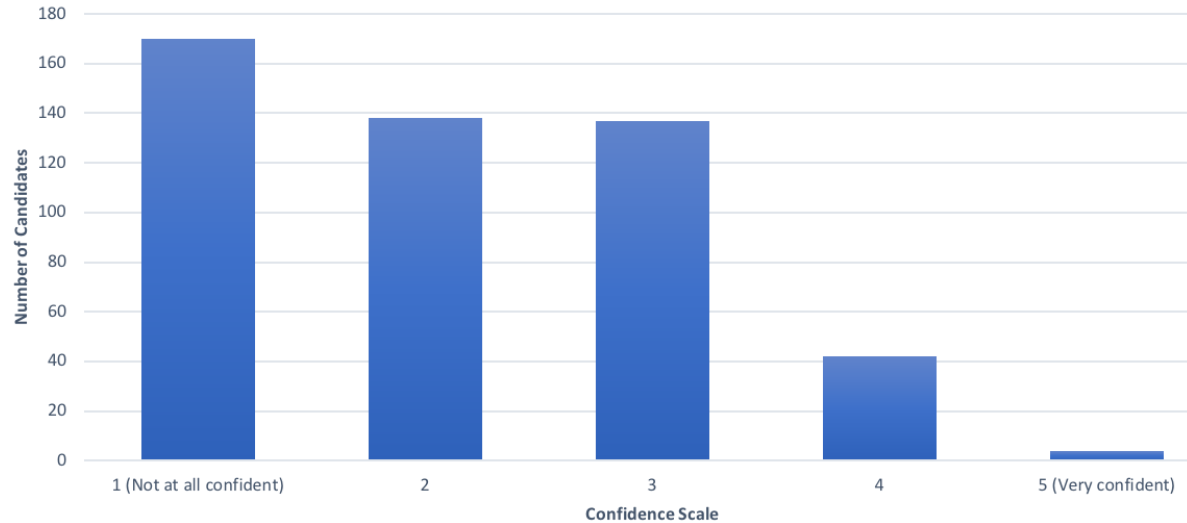
Assessing common surgical presentations, in specialties such as general surgery, urology, ENT and orthopaedics



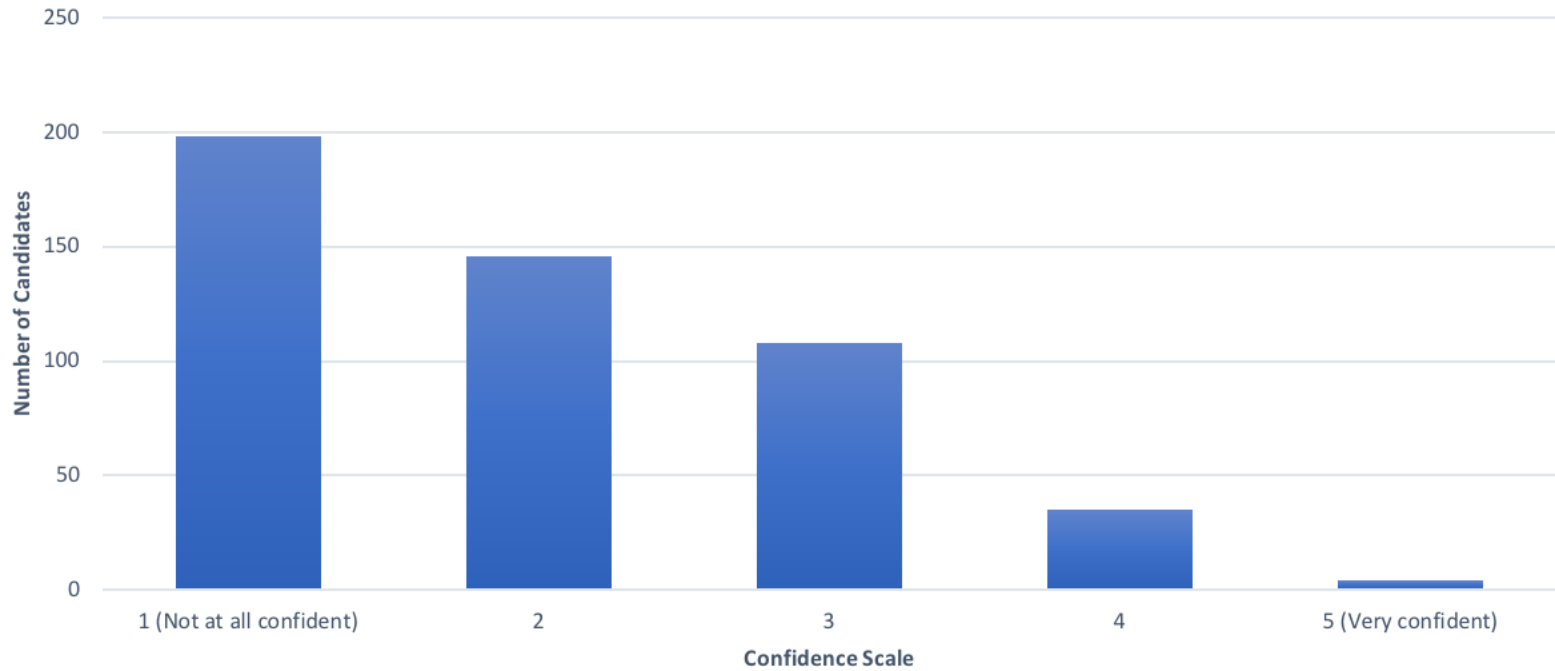
Knowing which investigations are most appropriate when encountering a surgical presentation as a Foundation Year 1 doctor



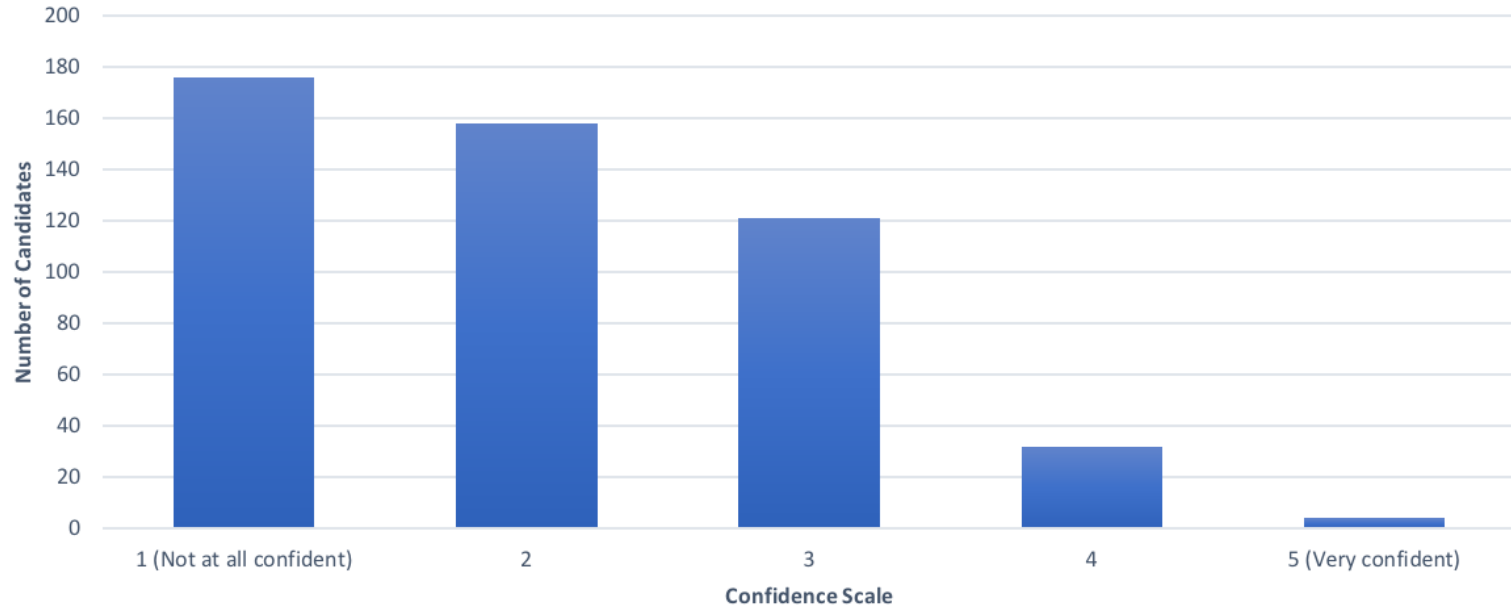
Carrying out initial management of surgical conditions that could be expected from a Foundation Year 1 doctor



Managing common on-call tasks faced by surgical foundation doctors, such as common bleeps and knowing when to escalate to a senior.



Caring for patients pre- and post-operatively as a Foundation Year 1 doctor on a surgical ward, including common complications that may occur



Discussion

Key Points:

- Medical students and FY doctors lack confidence and preparation for surgical jobs

Hypothesis:

- Lack of confidence could be due to a lack of teaching on practical aspects of surgical jobs, including ward jobs and escalation

Conclusion

What Next?

- **National Surgical Teaching Society**
 - Website: www.nsts-ed.com
- Future research into the effectiveness of these courses



EDUCATE

Evaluation of a webinar based sUrgiCAI Teaching course



NATIONAL SURGICAL TEACHING SOCIETY



MDU



Js2228@cam.ac.uk
Lewlt2@cam.ac.uk