Appendix A: English survey instrument

In which country do you work? (write in) _____
In which hospital do you mainly work? (write in) _____
Where is that hospital located?
□ Rural □ Suburban □ Urban
What type of hospital is it?   □ Public   □ Private   □ Other
At that hospital, how many patients do you provide care for every week on average?
□ 0-50   □ 51-100   □ 101-150   □ >150
How many beds does your hospital have? (select 1)
□ <50   □ 50-149   □ 150-300   □ >300   □ I don't know
In which department do you mainly work? (select 1)
□ General surgery   □ Emergency/trauma care   □ ICU
□ Other (specify): _____
How old are you? (select 1)
□ 18-30   □ 31-45   □ 46-60   □ >60
How many years have you practiced medicine/surgery? (select 1)
□ Student   □ 1-10   □ 11-20   □ 21-30   □ >30

1. What is your level of English reading comprehension? (select 1)
□ None   □ Elementary   □ Limited working proficiency
□ Professional proficiency   □ Native language
2. My level of English fluency negatively impacts my ability to successfully search for and find answers to clinical questions online: (select 1)
□ Strongly agree   □ Agree   □ Neutral
□ Disagree   □ Strongly disagree
3. How do you translate information to answer your clinical questions when needed? (select multiple)
□ Google Translator   □ DeepL
□ All the information I need is in a language I understand
□ Colleagues help me
□ I do not need to translate the important information
□ Other (specify): _____
4. My access to and quality of translation for medical information is sufficient for clinical use: (select 1)
□ Strongly agree   □ Agree   □ Neutral
□ Disagree   □ Strongly disagree

5. How often do you have uncertainty regarding any particular aspect of clinical care (i.e: dosing) (select 1)
□ multiple times a day   □ at least daily
     □ at least weekly   □ at least monthly   □ never
6. How frequently do you have a clinical question that you cannot answer using online or in-person resources? (select 1)
□ multiple times a day   □ at least daily
     □ at least weekly   □ at least monthly   □ never
7. Select the top 3 resources you most often use to adequately address your uncertainties in specific clinical care scenarios:
□ Printed academic books   □ Presentations
□ Full text peer reviewed journal articles
□ Clinical point of care summary (i.e: UpToDate)
□ Meta-analyses (i.e: Cochrane review)
□ Guidelines (ie: American College of Surgeons)
□ Open access, not peer reviewed (i.e: Wikipedia)
□ Colleague   □ SciHub □ Abstracts □ Other (specify): __
8. How do you most often access priced medical literature:
□ I don't have access to priced medical literature
□ Shared subscription with colleagues   □ SciHub
□ Individually purchased   □ Institutionally purchased
□ Other (specify): _____

9. I feel confident in my ability to interpret and apply peer reviewed medical journal articles to my clinical practice: (select 1)
□ Strongly agree   □ Agree   □ Neutral
□ Disagree   □ Strongly disagree

** Answer the following questions using all the resources available to you (for example: internet, journal subscriptions, medical information summaries, colleagues)

All clinical questions relate to patients with no other comorbidities, unless specifically stated in the question.

10. Sepsis:
a. What is your target mean arterial blood pressure in patients with septic shock requiring vasopressors? (select 1)
□ 55 mm Hg   □ 60 mmHg   □ 65 mm Hg   □ 70 mm Hg
b. What would you use as your first-choice vasopressor for a patient in septic shock? (select 1)
□ Dopamine   □ Norepinephrine   □ Dobutamine
□ Vasopressin   □ Epinephrine
c. Based on which hemoglobin concentration should you begin red blood cell transfusion? (select 1)
□ ≤7.0 g/dl   □ >7-9 g/dl   □ 10-12 g/dl   □ 12-14 g/dl
d. What resources did you use to answer these clinical questions? (select all that apply)
□ Printed academic books   □ Presentations
□ Full text peer reviewed journal articles
□ Clinical point of care summary (i.e: UpToDate)
□ Meta-analyses (i.e: Cochrane review)
□ Guidelines (ie: American College of Surgeons)
□ Open access, not peer reviewed (i.e: Wikipedia)
□ Colleague   □ SciHub □ Abstracts □ Other (specify): __

11. Appendicitis:
a. For uncomplicated appendicitis, how long should you continue antibiotics after an appendectomy? (select 1)
□ 0-24 hours □ 4 days □ 7 days □ There is not enough evidence to decide
b. Should you provide a post-operative drain in appendicitis patients? (select 1)
□ Yes, it lowers the incidence of intra-abdominal abscess
□ No, it causes more complications, and increases length of stay and recovery time
□ There is not enough evidence to decide
c. What resources did you use to answer these clinical questions? (select all that apply)
□ Printed academic books   □ Presentations
□ Full text peer reviewed journal articles
□ Clinical point of care summary (i.e: UpToDate)
□ Meta-analyses (i.e: Cochrane review)
□ Guidelines (ie: American College of Surgeons)
□ Open access, not peer reviewed (i.e: Wikipedia)
□ Colleague   □ SciHub □ Abstracts □ Other (specify): __

12. I had adequate resources to answer these questions in this survey efficiently and effectively:
(select 1)
□ Strongly agree   □ Agree   □ Neutral
□ Disagree   □ Strongly disagree

13. I am interested in learning more about evaluating evidence to apply to my clinical practice: (select 1)
□ Strongly agree   □ Agree   □ Neutral
□ Disagree   □ Strongly disagree

14. I am interested in learning how to conduct my own research to answer my clinical questions:
(select 1)
□ Strongly agree   □ Agree   □ Neutral
□ Disagree   □ Strongly disagree