



HOKKAIDO UNIVERSITY

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Needs assessment survey for Global Surgical Education

“What do Surgical Trainees around the world need?”

This survey is meant for the surgical trainees around the world.

Surgical trainee definition: Any graduate of medical school who is currently in clinical training for a surgical specialty or subspecialty

Surgical specialty or subspecialty can be any specialty or subspecialty that performs surgical procedure like: General surgery, Urology, ENT, Gynecology, etc.

* 1. Are you a graduate of a medical school?

Yes

No (Survey will end here)

* 2. Are you currently training for a surgical specialty or subspecialty?

Yes

No (Survey will end here)

Dear surgical trainee,

We ask you as surgical trainees around the world, in low-, middle-, and high-income countries to please fill in this survey. Why? Because the International Task Force of the Association of Surgical Education is curious about your needs, challenges, and suggestions regarding the surgical training you are currently receiving, in an effort to develop potential solutions to identified problems. We hope that you consider completing this survey as your answers and comments are critical to the success of this effort. Your responses will be confidential and will help identify common problems that will inform collaborative initiatives to improve surgical education globally.

This survey will take you 20 minutes of your time. The data will be analyzed respecting your privacy:

- Personal information that will enable you to be identified, such as IP addresses, telephone numbers, address, email address etc. will not be collected or stored.
- All the data from this survey will be treated confidentially. Only authorized research group members and ASE staff will have access to the responses collected during this survey and will be used only for this research purpose and will not be transferred to any third party.

We appreciate your participation, on behalf of the ASE International Task Force Members,

* 3. Do you agree to proceed with the survey?

I agree to proceed with the survey

I decline to proceed with the survey

Personal information

4. Country of Training:

5. Home Country:

6. Country where medical degree was obtained:

7. Gender: How do you identify?

Man

Non-binary

Woman

Prefer to self-describe:

8. Age:

9. Graduation year from medical school:

10. How many years have you been in surgical training? (Only including clinical training years and excluding internship, gaps and time spent on other activities e.g. research)

11. How long is your current training program?

12. Which best describes your current position (Choose one)

Intern (Trainee rotating through various medical/surgical departments)

House officer (Trainee who has finished internship and obtained a medical license to practice but not yet officially enrolled in surgical training program)

Resident (Trainee enrolled in core surgical training program to become a primary specialist surgeon)

Fellow (Trainee who has already completed training for primary specialization and is in a training focusing in subspecialization)

Others (Please specify)

13. What is your official job title?

14. Please choose the reasons why you chose surgery as a specialty? (Choose all that is applicable)

I like the surgical field

I had exposure to the specialty as a medical student and loved it

One of my mentors/role models was in that specialty

My senior(s) or friend(s) recommended it

My family recommended it

Prestige/ Social status

Salary is better

It was less competitive

Suits my life style

Others (Please specify)

15. What surgical specialty/subspecialty are you training for or plan to pursue ?

Not Decided

General surgery (Includes: Gastrointestinal surgery, bariatric, upper GI, colorectal, HPB surgery, Transplant, breast surgery, Acute care surgery, Surgical Oncology)

Urology

Cardiothoracic and vascular surgery

Pediatric surgery

Orthopedic and Trauma surgery

Otolaryngology (ENT)/Head & Neck surgery

Neurosurgery

Plastic Reconstructive and Aesthetic surgery

Gynecology and Obstetrics

Others (Please specify)

General Surgery

For trainees pursuing general surgery

16. What surgical specialty/subspecialty are you training for or plan to pursue? (Multiple choices allowed)

General surgery

Gastrointestinal surgery

Bariatric and Metabolic Surgery

Upper GI (Esophagus, Gastric Surgery)

Colorectal

HPB surgery

Surgical Oncology

Transplant

Breast surgery

Hernia and abdominal wall surgery

Acute Care Surgery (Emergency Trauma and Critical Care)

Others (Please specify)

Cardiothoracic and vascular surgery

For trainees pursuing cardiothoracic and vascular surgery

17. What surgical specialty/subspecialty are you training for or plan to pursue? (Multiple choices allowed)

Cardiac Surgery

Thoracic Surgery

Vascular Surgery

Others (Please specify)

Personal information II

18. Training Hospital environment

University/Medical school hospital

University/Medical school affiliated hospital

Academic Hospital (Not affiliated with the University)

Community hospital

Others (please specify)

19. Funding of your Training Hospital

Private

Government/Public

Faith based Organization

Non-profit based organizations

Others (please specify)

20. How many surgical trainees in your specialty are currently being trained in your department?

1

2-5

6-10

11-20

21-30

>30

21. How many faculty members (attendings/consultants or specialists) are currently involved in your training program ?

1

2-5

6-10

11-20

21-30

>30

Barriers in surgical educations

22. How long is your typical working week (including being on-call/ overnight shifts in the hospital)?

<40 hours

40-60 hours

61-80 hours

81-100 hours

> 100 hours

23. What percentage of a typical work day do you spend in the OR operating or assisting a surgery?

None

Less than 10%

10-30%

31-50%

51-70%

More than 70%

24. What percentage of a typical work day do you engage in other educational activities?

None

Less than 10%

10-30%

31-50%

51-70%

More than 70%

25. What percentage of a typical work day do you engage in activities that you feel are non-educational?

None

Less than 10%

10-30%

31-50%

51-70%

More than 70%

26. Which of the following are barriers for you in your surgical training?

(Choose all that is applicable)

Too busy with clinical work

Too busy with administrative/secretarial type of work

Lack of motivation in trainees in general to learn

Small number/volume of OR cases

Lack of case diversity/variety

Lack of a well-defined curriculum

Inadequate number of faculty educators

Lack of qualified educators

Faculty member(s) not eager to teach

No access to simulation

Other (please specify)

27. Approximately how many cases as primary surgeon did you perform during the last year?

28. Approximately how many cases as primary surgeon do you expect to graduate with, in your current training program?

29. Do you have protected time for educational activities?

Yes

No

Don't know

30. Does your center have a skills lab or simulation center to train your surgical trainees?

- Skills lab: small training room or rooms where trainees can practice basic skills.
- Simulation Center: Dedicated training center with several simulators, training modules, curriculum and dedicated staffs to train the trainees

Yes, we have skills lab

Yes, we have simulation center

Yes, we have both

No, we have neither

31. Are you satisfied with the number of operative cases you are exposed to during your training?

Yes

No

Don't know

Not Applicable

32. Are you satisfied with the variety of cases you are exposed to during your training?

Yes

No

Don't know

Not Applicable

33. Do you believe your training (program) adequately prepares you for independent practice (i.e. as an attending/consultant/specialist)?

Yes

No

Don't know

Surgical Education Activities

34. How often does the surgical trainees learn by observing teaching faculty perform operative cases in your hospital even when they are in their senior years (Above PGY 4 in 5 year or longer course, PGY 3 in 3-year course)?

Always

Very Often

Sometimes

Rarely

Never

35. How often does the teaching faculty surgeons allow surgical trainees to perform OR cases in your hospital without being scrubbed in the case/ by watching over the trainee's shoulder?

Always

Very Often

Sometimes

Rarely

Never

36. How often do the surgical trainees first have to assist before they are allowed to operate themselves (under supervision) in your hospital?

Always

Very Often

Sometimes

Rarely

Never

37. How often do the surgical trainees first have to perform a procedure in a simulation/skills lab before operating in the operation room (under supervision) in your hospital?

Always

Very Often

Sometimes

Rarely

Never

38. How often the senior surgical trainees (Above PGY 4 in 5 year or longer course, PGY 3 in 3-year course, or a fellow) assist/instruct junior trainees performing an operation in your hospital without faculty involvement?

Always

Very Often

Sometimes

Rarely

Never

39. What percentage of the cases you scrub into do you actually operate/perform as opposed to assisting it?

Less than 10%

10-30%

31-50%

51-70%

More than 70%

Surgical Education Activities II

40. Choose the type and frequency of the training that you receive as a part of your institution's training program, outside of the Operation Room

Modules:

Lectures

Interactive workshops

Hands on training in dry lab/ Simulation

Hands on training with wet tissues

Animal lab

Cadaver training

Cadaver training Not Applicable

Others (please specify in the comment box below)

Frequency

1-2 times a week

1-2 times a month

Once every 2- 3 months

Once every 6 months

Once a year

Irregularly

Never

Not Applicable

For participants choosing others options, please specify in the comment box below

41. How are you evaluated in your program? (Choose all that is applicable)

Formal Paper based examination

Formal Oral examination

End of rotation evaluation

Assessment of operative performance

Performance assessment using simulation

Assessment in clinic or ward

No Assessments done

Others (Please specify)

42. Who evaluates you in your program? (Choose all that is applicable)

External Faculty

Faculty Member from the same department

Program Director

Peers

Other staff (i.e. nurses, ancillary staff etc)

Others (Please specify)

Not Applicable

43. Which Organization evaluates you in your program? (Choose all that is applicable)

University/Medical School

Accreditation Council

My Hospital

Surgical Society

Others (Please specify)

Not Applicable

Training in Surgical Education

44. Do you think it is important for surgeons involved in teaching to have training as educators?

Yes

No

Don't know

45. Do you see value in participating in an organization that is focused on surgical education and allows networking with surgeon educators/trainees around the world?

Yes

No

Unsure

46. Are you interested in pursuing a career in surgical education?

Yes

No

Unsure

47. How else could the Association for Surgical Education (ASE) help surgeon educators enhance their teaching skills and education in your country/region in general?

48. What do you like or enjoy in your training program?

49. What are the problems you are facing in your training?

50. How do you believe your training would be enhanced/improved?

51. Other comments?