AABB Global Transfusion Forum - Education Subcommittee in collaboration with UCSF Medical Center

Introduction.

We are asking you to take part in a research study created by Elena Nedelcu MD from the University of California, San Francisco in collaboration with members of the AABB Global Transfusion Forum - The Education Subcommittee. Your participation in this study is optional. If you choose to be in the study, you will complete a survey which will help us learn more about the education in Transfusion Medicine at your medical school.

The survey is anonymous; no one will be able to link your answers back to you. It will take about 10 minutes to complete. Please do not include your name or other information that could be used to identify you in the responses. If you have questions about the survey, please, contact Dr. Nedelcu at Elena.Nedelcu@ucsf.edu. If you have questions or concerns about your rights as a research participant, you can call the UCSF Institutional Review Board at 415-476-1814.

If you want to participate in this study, click the Yes button to start the survey.

Yes
Demographics. What is your country of residence?

Q1.
What is the system of medical school education in your country?

- A 6 year degree obtained after a high school diploma (European model)
- A 4 year degree obtained after a college degree (US model)
- Other

Q2.
Does your medical school degree have any formal teaching of the discipline of Transfusion Medicine?

☐ Yes
☐ No
☐ I do not know
Q3. During which year of medical school curriculum is Transfusion Medicine education integrated?

Note: May select more than one.

☐ 1st year
☐ 2nd year
☐ 3rd year
☐ 4th year
☐ 5th year
☐ 6th year
☐ I do not know

Q4. Select from the following the most commonly used educational format at your medical school for Transfusion Medicine:

Note: May select more than one.
Q5. If your medical school includes any component of Transfusion Medicine education, please, specify whether any of these are mandatory or optional in the curriculum.

- [ ] Mandatory
- [ ] Optional
- [ ] I do not know

Q6. How many faculty members teach Transfusion Medicine in your medical school?

- [ ] 1
- [ ] 2
- [ ] 3
- [ ] 4
Q7.

Select from the following list the specialties of the faculty members who teach Transfusion Medicine in your medical school:

Note: May select more than one.

☐ Transfusion Medicine
☐ Adult Hematology
☐ Pediatric Hematology
☐ Hematology-Pathology
☐ Clinical Pathology/Laboratory Medicine
☐ Internal Medicine
☐ Other

☐ I do not know

Q8.

Are the faculty involved in teaching Transfusion Medicine in your medical school solely committed to this task?
Yes

No

I do not know
Q9.

What other duties do the teaching faculty have besides teaching Transfusion Medicine:

Note: May select more than one.

☐ Clinical service
☐ Research
☐ Administrative
☐ Other teaching
☐ Other

☐ I do not know

Q10.

Is there a standardized curriculum in Transfusion Medicine at your medical school?

☐ Yes
☐ No
○ I do not know

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Q11.

Select from the following the topics that are included in the Transfusion Medicine curriculum and/or education at your medical school:

Note: May select more than one.

- History of Transfusion Medicine
- Review of basic blood physiology
- Overview of the vein-to-vein transfusion process
- Blood donation
- Risks of blood transfusions
- Red blood cell antigens and antibodies
- Basic blood testing
- Coagulation for transfusion practice
- Blood products indications and contraindications
- Special blood products (leukocyte-reduced, CMV-negative, irradiated, washed)
- Plasma derivatives
- Alternative to blood transfusion
- Types of transfusion reactions
☐ Neonatal and perinatal Transfusion Medicine
☐ Transfusion practice in trauma and surgery
☐ Transfusion practice in burns
☐ Transfusion practice in oncology and transplantation
☐ Transfusion practice in hemoglobinopathies
☐ Regulatory aspects of Transfusion Medicine
☐ Blood utilization
☐ Patient blood management
☐ Hemovigilance
☐ Quality systems in blood donation center and hospital-based blood bank
☐ Logistics of blood supply
☐ Medical errors in Transfusion Medicine and quality improvement
☐ Therapeutic apheresis (types, adverse effects, practical aspects)
☐ Apheresis cases
☐ Hematopoietic progenitor cell (HPC) collection, processing and transplantation
☐ Transfusion support for patients undergoing HPC and organ transplant
☐ Advanced cell therapies (CAR T cell therapies, cellular vaccines)
☐ Other

Q12.
Is the knowledge in Transfusion Medicine formally assessed/examined within your medical school?

☐ Yes
☐ No
☐ I do not know
Q13.

What is the examination format?

Note: May select more than one.

- [ ] Multiple choice questions
- [ ] Essays questions
- [ ] Case-based discussion
- [ ] Portfolio-based assessment
- [ ] Formative assessment
- [ ] Other

Q14.

In your opinion: Do you think education in clinical Transfusion Medicine is adequate in your medical school?

- [ ] Yes
[Image of a page with options: No, I do not know, and a Powered by Qualtrics watermark.]
Q15.

In your opinion: Should the Transfusion Medicine education be expanded in your medical school?

☐ Yes
☐ No
☐ I do not know

Q16.

In your opinion: What would be the minimal teaching time in Transfusion Medicine to prepare students for the internship?

☐ 2 hours
☐ 2 weeks
☐ One month
☐ Other
Q17.

Is Transfusion Medicine in your country a separate specialty or a subspecialty?

- Specialty
- Subspecialty
- Neither
- I do not know

Q18.

Does Transfusion Medicine specialization offer or require board certification in your country? If Yes, please, indicate if the board certification is optional or required for practice.

- Yes, optional
- Yes, required
- Not required
- I do not know

Q19.

If offered by a professional organization, would you integrate in the medical school curriculum an online course in transfusion medicine designed to ensure that students achieve proper education in essential aspects of the transfusion process critical to patient care?
Q20.

Is your medical school involved in continuous education in Transfusion Medicine?

- Yes
- No
- I do not know
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Thank you very much for participating in this anonymous survey!

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