Supplementary data

Ophthalmology Residency Survey in the COVID-19 pandemic era

Dear Colleagues,

The COVID-19 pandemic is having a huge impact in our personal and professional lives. All over the world, medical units are dealing with this new reality and adapting the way of work. For Ophthalmology residents, concerns regarding training programs are emerging. Most likely training requirements are not being accomplished at this time, as almost all elective activities and procedures were interrupted in our units. Some may even be exclusively working at COVID-19 units.

We decided to apply this survey to assess the impact of the COVID-19 pandemic in Ophthalmology Training. We would like to evaluate the training activity of the Ophthalmology residents during these challenging times. The possible consequences of the COVID-19 pandemic in current Ophthalmology training should be a focus of discussion, so that future strategies could be planned to balance the negative impact. The data collected with this questionnaire will serve as a basis to understand what measures need to be taken and with which priority.

The survey takes about 5 minutes to complete. By proceeding you agree that your data will be processed. All responses are anonymous.

This questionnaire is meant for residents only.

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1. Gender
   Male
   Female

2. Age:

3. City of practice:

4. Residency year:
   1
   2
   3
   4

5. Are you an ophthalmology resident in a hospital with COVID-19 patients?
   Yes
   No
6. Where are you currently performing your work activities? (more than one option can be selected)
   Ophthalmology department
   COVID-19 unit in my hospital
   COVID-19 unit out of my hospital
   Home

7. Has the clinical practice in your ophthalmology department changed since the beginning of the pandemic?
   Yes
   No

8. Which in-person activities are being performed in your ophthalmology department during the pandemic? (more than one option can be selected)
   Emergency room/inpatient visits
   Elective general outpatient visits
   Prioritary general outpatient visits
   Elective subspecialty outpatient visits
   Elective surgeries
   Prioritary surgeries (not emergency-related)
   Other:

9. Does your ophthalmology department follow guidelines to decide which patients to attend and operate on during the pandemic?
   Yes, internal guidelines
   Yes, guidelines from National Ophthalmology Society
   Yes, guidelines from International Ophthalmology Society
   No

10. Has your activity as an ophthalmology resident changed since the beginning of the pandemic?
    Yes
    No

11. How was the number of your work hours affected by the pandemic?
    Increased
    Decreased
    Not changed

12. Which activities are you performing in your ophthalmology department during the pandemic? (more than one option can be selected)
    Emergency room/inpatient visits
    Outpatient visits
    Telemedicine
    Surgery
    Laser procedures
    Clinical research
    Administrative duties
    None
    Other:
13. Do you have remote access to electronic medical records from your ophthalmology department to be able to access them at home?
Yes
No

14. Which type of ophthalmology outpatient clinic are you performing during the pandemic? (more than one option can be selected)
Face-to-face general visits
Telemedicine general visits
Face-to-face subspecialty visits
Telemedicine subspecialty visits
None

15. How many ophthalmology outpatient telemedicine visits are you performing weekly during the pandemic?
0-10
11-20
21-30
>30
None

16. How many ophthalmology outpatient face-to-face visits are you performing weekly during the pandemic?
0-10
11-20
21-30
>30
None

17. Which ophthalmology surgical procedures are you participating in during the pandemic?
Cataract surgery
Refractive surgery
Corneal surgery
Retinal surgery
Strabismus surgery
Glaucoma surgery
Oculoplastic surgery
Intravitreal injection
Emergency-related surgery
None
Other

18. How many ophthalmology surgeries did you participate in weekly before the pandemic?
0-5
6-10
11-20
>20
None

19. How many ophthalmology surgeries are you participating in weekly during the pandemic?
   0-5
   6-10
   11-20
   >20
   None

20. How many cataract surgeries did you participate in weekly before the pandemic?
   0-5
   6-10
   11-20
   >20
   None

21. How many cataract surgeries are you participating in weekly during the pandemic?
   0-5
   6-10
   11-20
   >20
   None

22. How was the number of submitted scientific papers affected by the pandemic in your personal experience?
   Increased
   Decreased
   Not changed

23. How was the number of submitted abstracts for conferences affected by the pandemic in your personal experience?
   Increased
   Decreased
   Not changed

24. Do you feel like you have more time to write scientific papers and prepare research studies during the pandemic?
   Yes
   No

25. Are you participating in virtual conferences and meeting during the pandemic?
   Yes
   No

26. Please rate the negative impact you think the COVID-19 pandemic will have on your ophthalmology training (1 no impact; 5 maximum impact)
27. What measures do you think could minimize the negative impact of the COVID-19 pandemic on your ophthalmology training? (more than one option can be selected)
   Extension of the training period
   Creation of virtual educational courses
   Creation of virtual webinars and conferences
   Creation of virtual journal clubs
   Creation of virtual platforms of surgical didactic videos
   Future extra goal-directed surgical procedures curriculum
   Future simulation training programs

28. Which additional measures do you think can be adopted? (optional)