

How the COVID-19 pandemic affects specialty training: An analysis of a nationwide survey among otolaryngology residents in Chile

doi: 10.5867/medwave.2021.01.8097

Appendix: Survey “Education opportunities in the Otolaryngology training program during the COVID-19 Pandemic”.

Responsible Investigator: Dr. Matías Álvarez B

Agree to participate: Yes _____ No _____ **Date:** _____

Subject code: _____

Dear resident,

We invite you to participate in the following multicenter study that seeks to evaluate the effect of the current contingency for COVID-19 on the education of otolaryngology residents nationwide. The purpose of this information is to evaluate the impact of the COVID-19 pandemic on clinical and surgical resident activities, and compliance with program requirements.

I authorize the responsible investigator and his collaborators to access and use the data contained in this surveys for the purposes of medical research

- a) Yes
- b) No

Year of training:

- a) PGY1
- b) PGY2
- c) PGY2

Age: _____

Gender: F _____ M _____

¿Which is your current program?

- a) Universidad de Chile
- b) Pontificia Universidad Católica de Chile
- c) Universidad de Concepción
- d) Universidad de Valparaíso
- e) Universidad Católica del Norte

Surgical and clinical activity survey:

1.- During the month of April 2020, ¿Were you removed from clinical activity secondary to preventive quarantine for any personal health condition?

- a) Yes, specify: _____
- b) No

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2.- During the month of April 2020, ¿Were you removed from clinical activity secondary to preventive quarantine for exposition to a COVID-19 patient without the correct personal protection equipment?

- a) Yes
- b) No

3.- During the month of April 2020, ¿ Were you diagnosed with COVID-19?

- a) Yes
- b) No

4. During the month of April 2020, ¿How many days did you go to your hospital/clinic to practice as an Otolaryngology resident?

- a) 0 a 4 days
- b) 5 a 10 days
- c) 11 a 15 days
- d) 16 a 20 days
- e) All working days of April 2020

5. During the month of April 2020, ¿Did you participate in on-call non-working hours shifts?

- a) Yes
- b) No

If you answer "Yes", how many days did you have to be present at your health center in non-working hours? _____

6.- During the month of April 2020, ¿Did you provide medical attention to suspected or confirmed COVID-19 patients?

- a) Yes
- b) No

If you answer "Yes", how many medical attentions did you perform on suspected or confirmed COVID-19 patients? _____

(every exam or procedure is counted as one medical attention)

7.- During the month of April 2020, ¿Were you deployed to a department other than Otolaryngology?

- a) Yes
- b) No

If you answer "Yes", which department were you deployed to?

Department: _____

8.- If you answer "Yes", ¿How many days did you provide medical attention in areas not related to Otolaryngology?

- a) 0 a 4 days
- b) 5 a 10 days

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- c) 11 a 15 days
- d) 16 a 20 days
- e) All working days of April 2020

9.- During the month of April 2020, ¿How many patients did you examine in-office in the otolaryngology department? (Month total)

- a) 0
- b) 1 to 10
- c) 11 to 20
- d) 21 to 30
- e) More than 31

10.- During the month of April 2020, ¿How many patients did you examine as in patients in the otolaryngology department? (Month total)

- a) 0
- b) 1 to 7
- c) 8 to 14
- d) 15 to 20
- e) More than 21

11.- Of the following in-office procedures ¿How many did you perform during the month of April 2020?

	0	1-3	4-6	7-9	> 9
Nasolaryngoscopy					
Nasal rigid endoscopy					
Nasal biopsy					
Oral mucosa biopsy					
Peritonsillar abscess drainage					
Transtympanic steroid injection					
Anterior nasal cauterization					
Fiberoptic endoscopic evaluation of swallowing					

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Tracheostomy tube change					
Ear hematoma drainage					
In-office nasal fracture reduction					
Anterior nasal packing					
Posterior nasal packing					
Ear foreign body removal					
Nasal foreign body removal					

12.- During the month of April 2020, ¿Did you participate in surgeries?

- a) Yes
- b) No

13.- If you answer "Yes" in the previous question, ¿How many surgeries did you scrub in for the previous month?

- a) 0
- b) 1
- c) 2
- d) 3
- e) 4
- f) 5 or more

14.- About question 12, if your answer was "Yes", please complete with number the following as first surgeon:

	0	1	2	3	4	5	> 5
Adeno and/or Tonsillectomy							
Miringotomy and tubes							
Open tracheostomy							
Septoplasty (all techniques)							
Rhinoseptoplasty (all techniques)							

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Tympanoplasty (all techniques)							
Mastoidectomy (all techniques)							
Rigid bronchoscopy +/- foreign body removal							
Lower airway evaluation							
Suspension Microlaryngoscopy							
Microphonosurgery							
Parotidectomy							
Neck dissection							
Maxilar antrostomy							
Ethmoidectomy							
Sphenoidotomy							

15. About question 12, if your answer was "Yes", please complete with the number surgeries if you participate as second surgeon:

	0	1	2	3	4	5	> 5
Adeno and/or tonsillectomy							
Miringotomy and tubes							
Open tracheostomy							
Septoplasty (all techniques)							
Rhinoseptoplasty (all techniques)							
Tympanoplasty (all techniques)							
Mastoidectomy (all techniques)							
Rigid bronchoscopy +/- foreign body removal							
Lower airway evaluation							
Suspension Microlaryngoscopy							
Microphonosurgery							

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Parotidectomy							
Neck dissection							
Maxilar antrostomy							
Ethmoidectomy							
Sphenoidotomy							

16.- During April 2020. ¿Which of the following measures has your program taken in order to promote continuing education and distance learning? (You can choose more than one option)

- a) Bibliographics videoconferences
- b) Online clinical cases seminars
- c) Stimulation of bibliographic review research
- d) Online surgical skills video analysis
- e) Simulation opportunities
- f) Weekly journal club
- g) Other (s): _____