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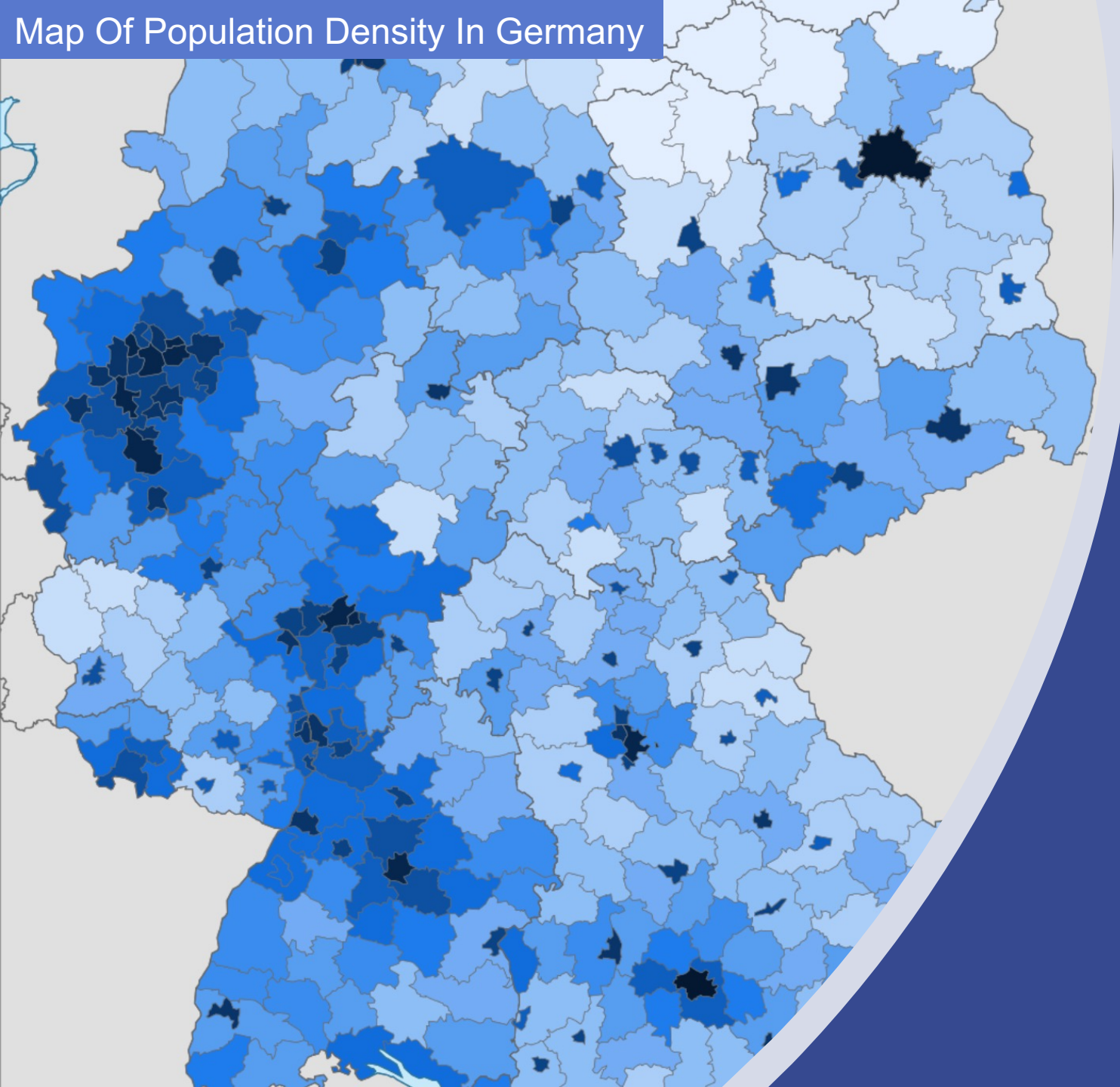
EUROCOVCAT SYMPOSIUM

ASSOCIATION OF POLISH OPHTHALMOLOGISTS VIRTUAL CONGRESS

Residency Training In Germany And The Impact Of COVID-19 Pandemic

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07.02.2022

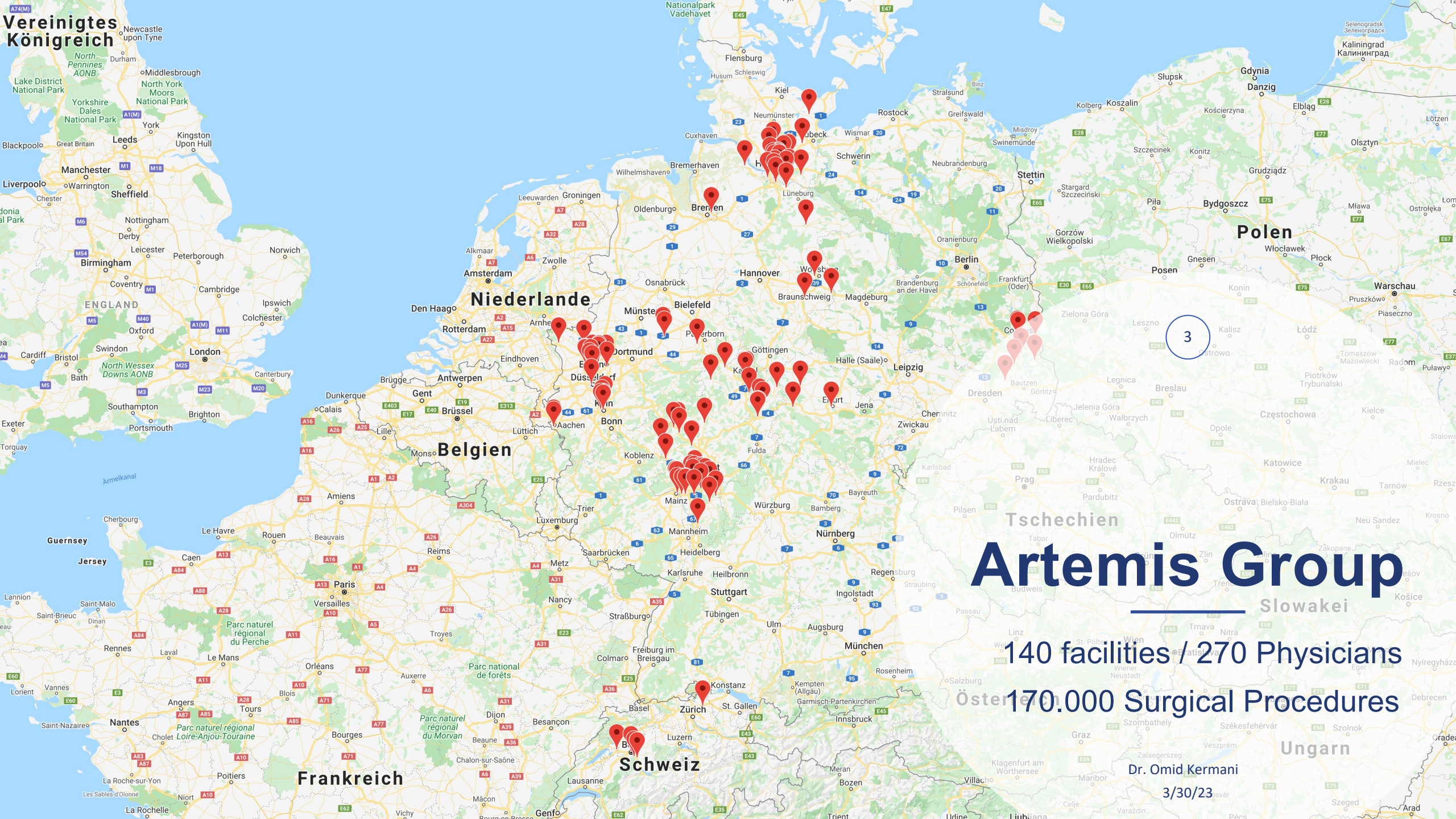


83.000.000

8.000

800

Population
Ophthalmologists
Ophthalmic Surgeons



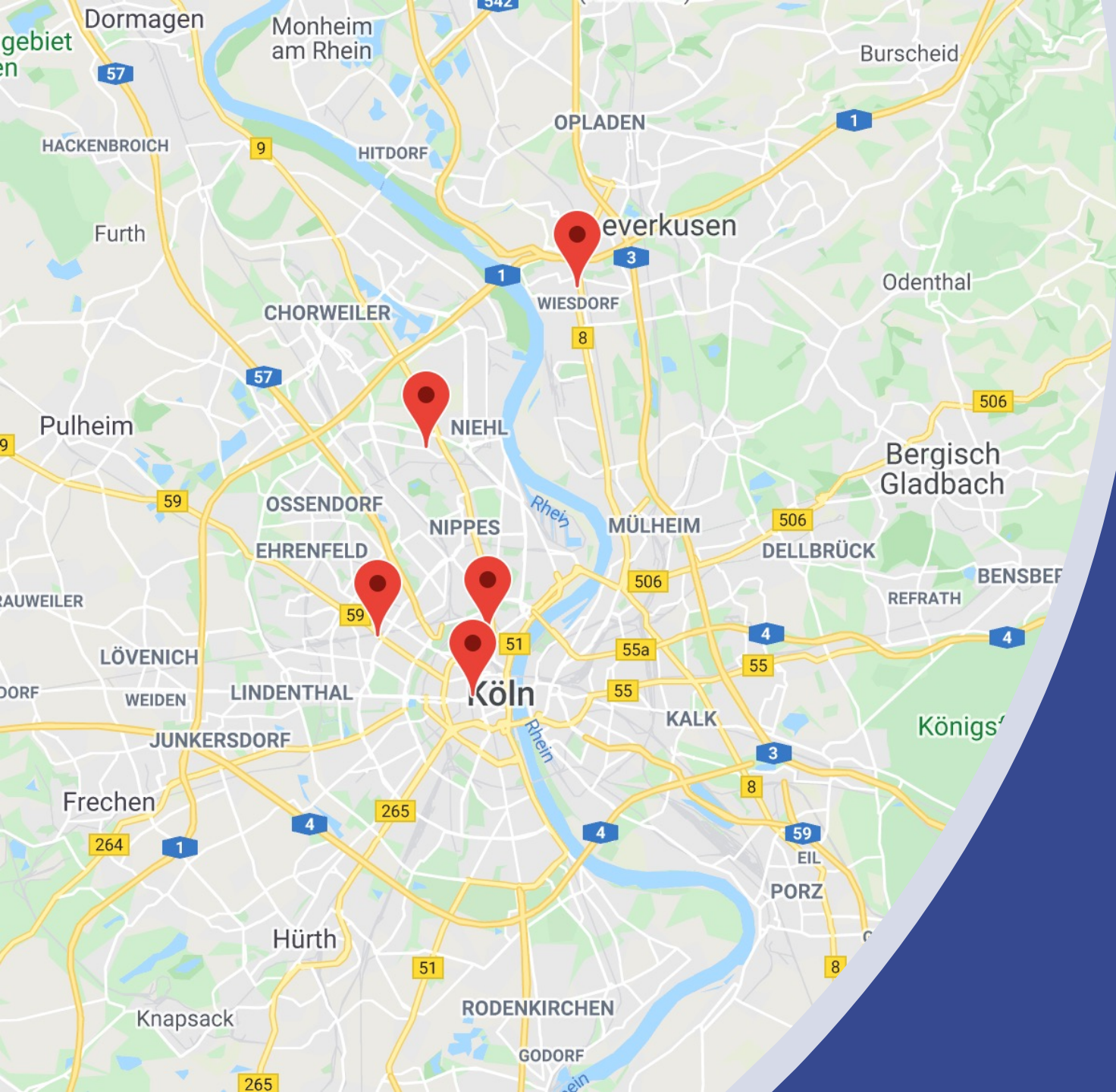
Artemis Group

140 facilities / 270 Physicians

170.000 Surgical Procedures

Dr. Omid Kermani

3/30/23



Cluster Cologne & Leverkusen

More than 10.000 Intraocular
Procedures / Year

Comprehensive Ophthalmology and
Refractive Surgery Center

Dr. Omid Kermani

Residency Training In Ophthalmology

Germany

- Prerequisite
- Duration
- Content



Residency Training In Ophthalmology

Content

- Essential laws, ordinances and guidelines
- Scientifically based expert opinions including form-based expert opinions, e.g. ophthalmological driving licence opinions
- Infiltration and regional anaesthesia
- - subconjunctival, parabolbar or retrobulbar anaesthesia
- Basics of ergo-, sports- and traffic ophthalmology
- Tropical ophthalmology and travel medicine eye diseases
Specialised genetic counselling
- Emergencies
- Eyelids, lacrimal ducts and orbits
- Conjunctiva, cornea and sclera
- Uvea, retina and vitreous body
- Endocrine disorders
- Strabological, paediatric and neuro-ophthalmological disorders
- Tumour diseases
- Prevention and rehabilitation
- Diagnostic procedures
- Optometry
- Glaucoma diseases
- Lens and refractive surgery
- Ophthalmopathology

Training As Ophthalmic Surgeon

Following Residency Program

Cataract

Refractive

Glaucoma

Squint

Retina and Vitreous

Cornea

Eyelids and Orbita



Impacts of the SARS-CoV-2 pandemic on ophthalmic care in Germany

Hattenbach LO et al.: Ophthalmologie <https://doi.org/10.1007/s00347-020-01220-4>

Abstract

Background. Survey by the commission for cross-sectoral ophthalmology, as a joint commission of the German Ophthalmological Society (DOG) and the Professional Association of German Ophthalmologists (BVA) on the effects of the SARS-CoV-2 pandemic on ophthalmological patient care in Germany.

Methods. Online-based survey.

Results. A total of 1190 questionnaires were (partly) answered. With respect to outpatient care and consultations from 15 March to 15 April 2020, a total of 69 (5.8%) participants indicated unlimited, 756 (63.5%) reduced and 330 (27.7%) emergency care only, independent of the type of institution. Outpatient surgery was restricted to emergency surgery in 68% of clinics, 42.0% of inpatient wards, 45.0% of surgical medical care centers

and group practices and 33.0% of private practices. Inpatient procedures were limited to emergency care in 75.0% of inpatient wards and in 71.0% of clinics. With the exception of endophthalmitis (+8.2%), the number of urgent indications and emergencies declined: retinal detachment (−34.8%), perforating eyeball injuries (−7.3%), acute glaucoma (−17.8%), central retinal artery occlusion and anterior ischemic optic neuropathy (−31.0%), others (−30.9%), penetrating keratoplasty and amniotic membrane transplantation (−59.1%). Institutional or professional policy requirements (76.0%) and appointment cancellation by patients (84.0%) were the most common reasons for limitations in ophthalmic patient care.

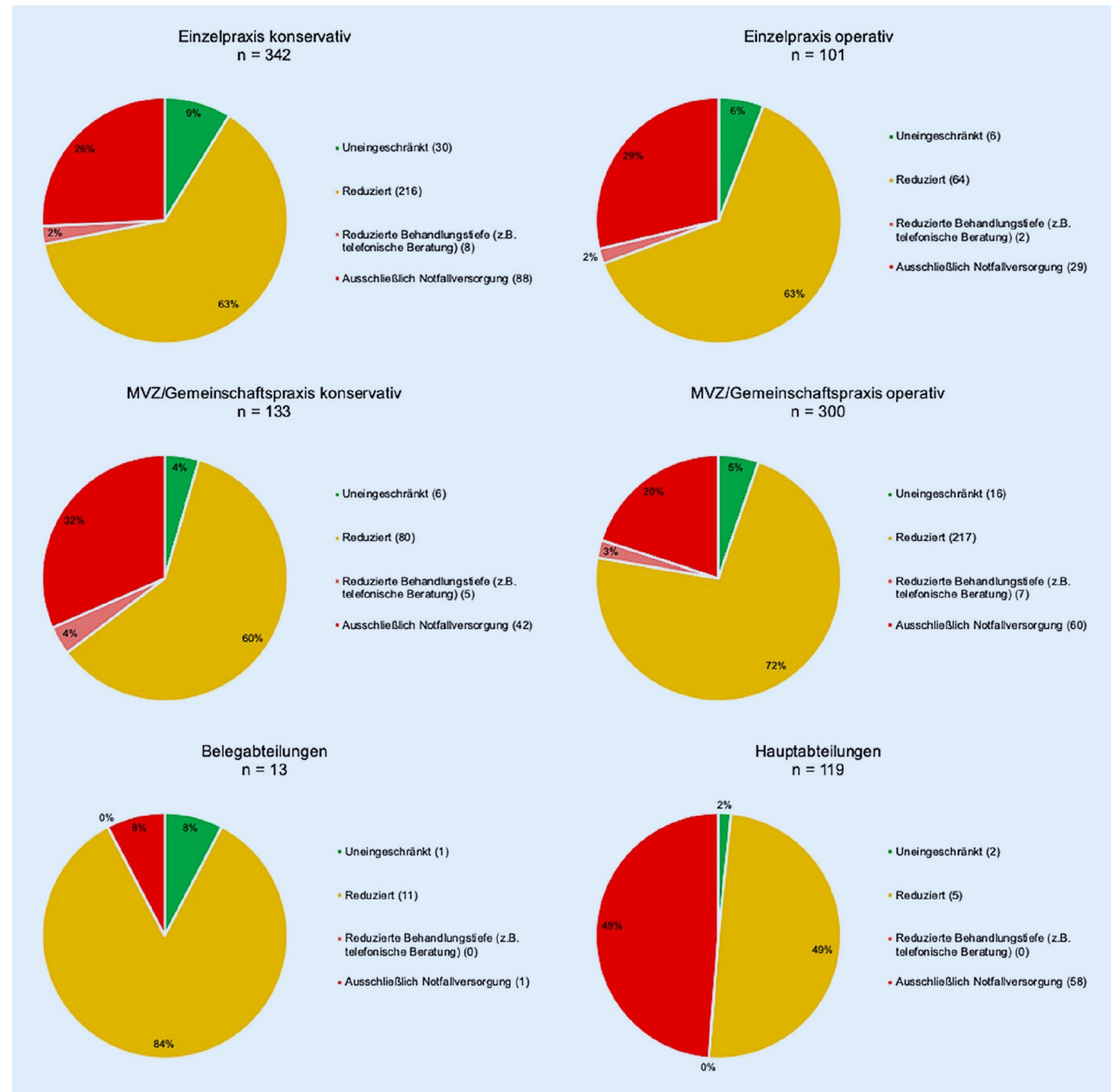
Conclusion. The initial phase of the pandemic was characterized by a massive reduction in non-urgent conservative and surgical treatment that affected all areas of ophthalmology. Due to intensive care capacities required for COVID-19 patients, inpatient treatment was largely restricted to emergencies. Treatment of ophthalmological patients, including ocular emergencies and urgent treatment, was maintained across all sectors with a (considerable) decrease in the number of cases even in these groups.

Keywords

COVID-19 · Ophthalmological emergencies · Elective surgery · Inpatient care · Outpatient care

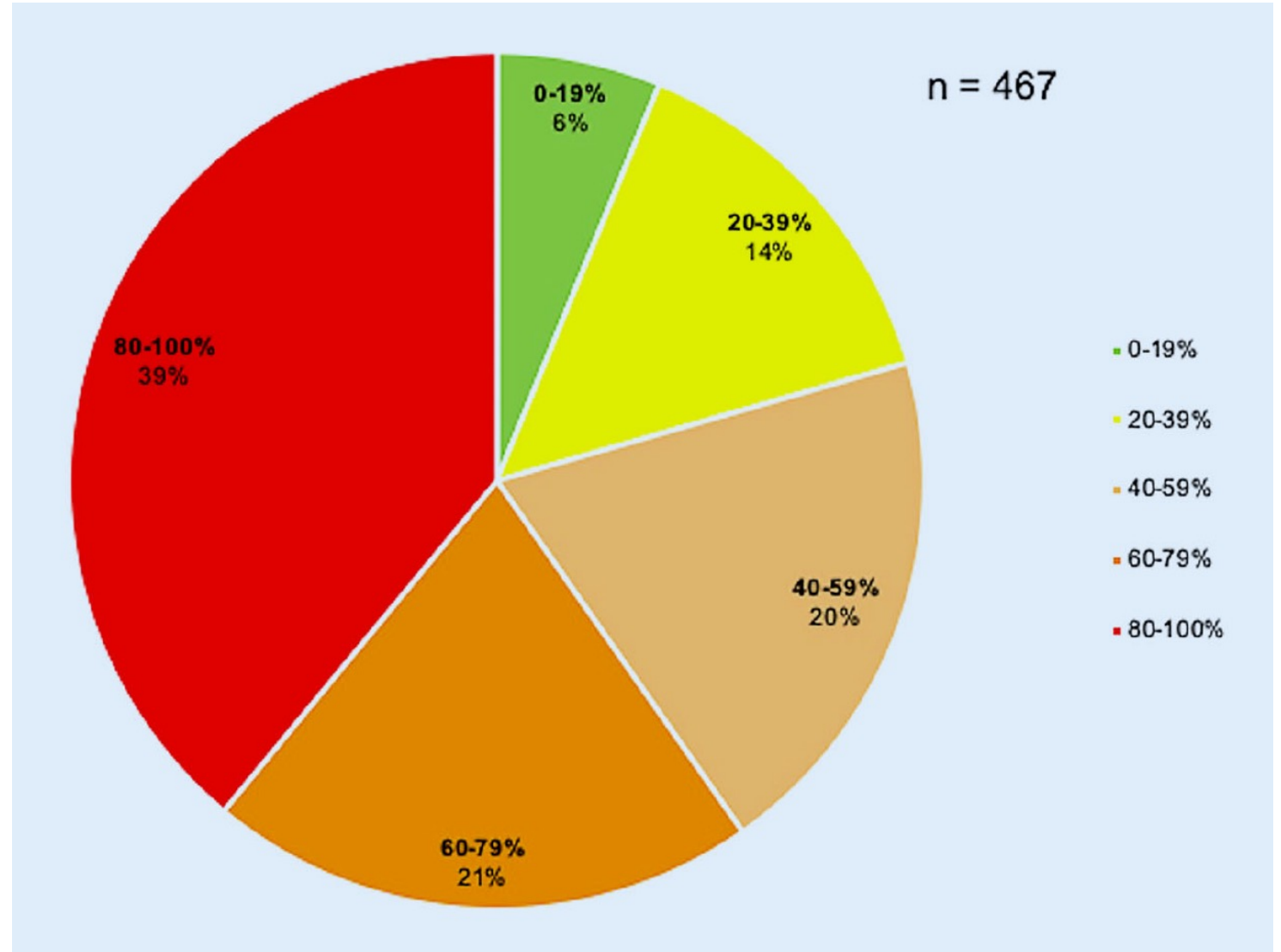
Impact On Conservative Practice

Hattenbach et al.; Ophthalmologe 2020



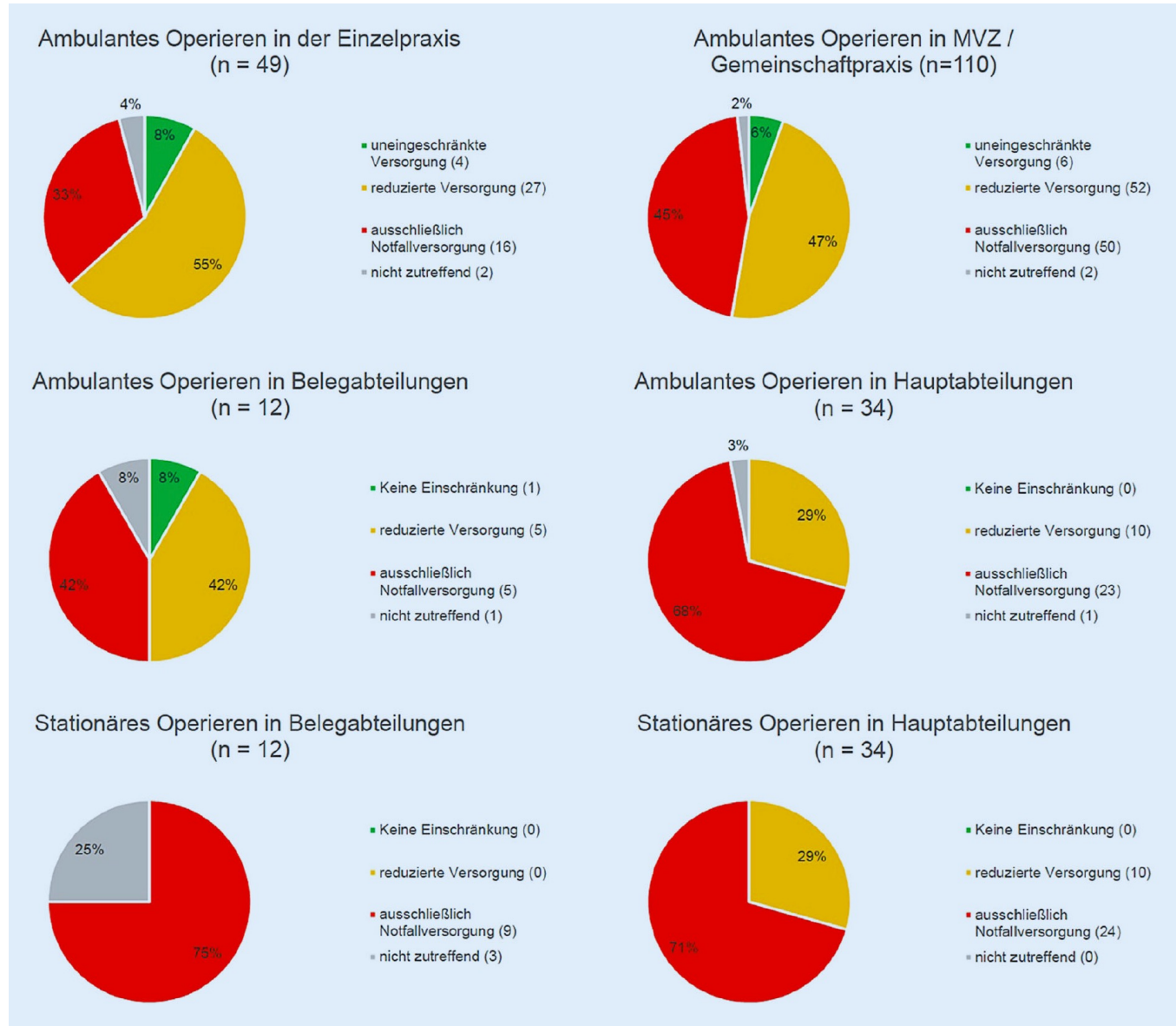
Impact On Surgical Practice

Hattenbach et al.; Ophthalmologe 2020



Impact On Surgical Practice Depending On Type Of Facility

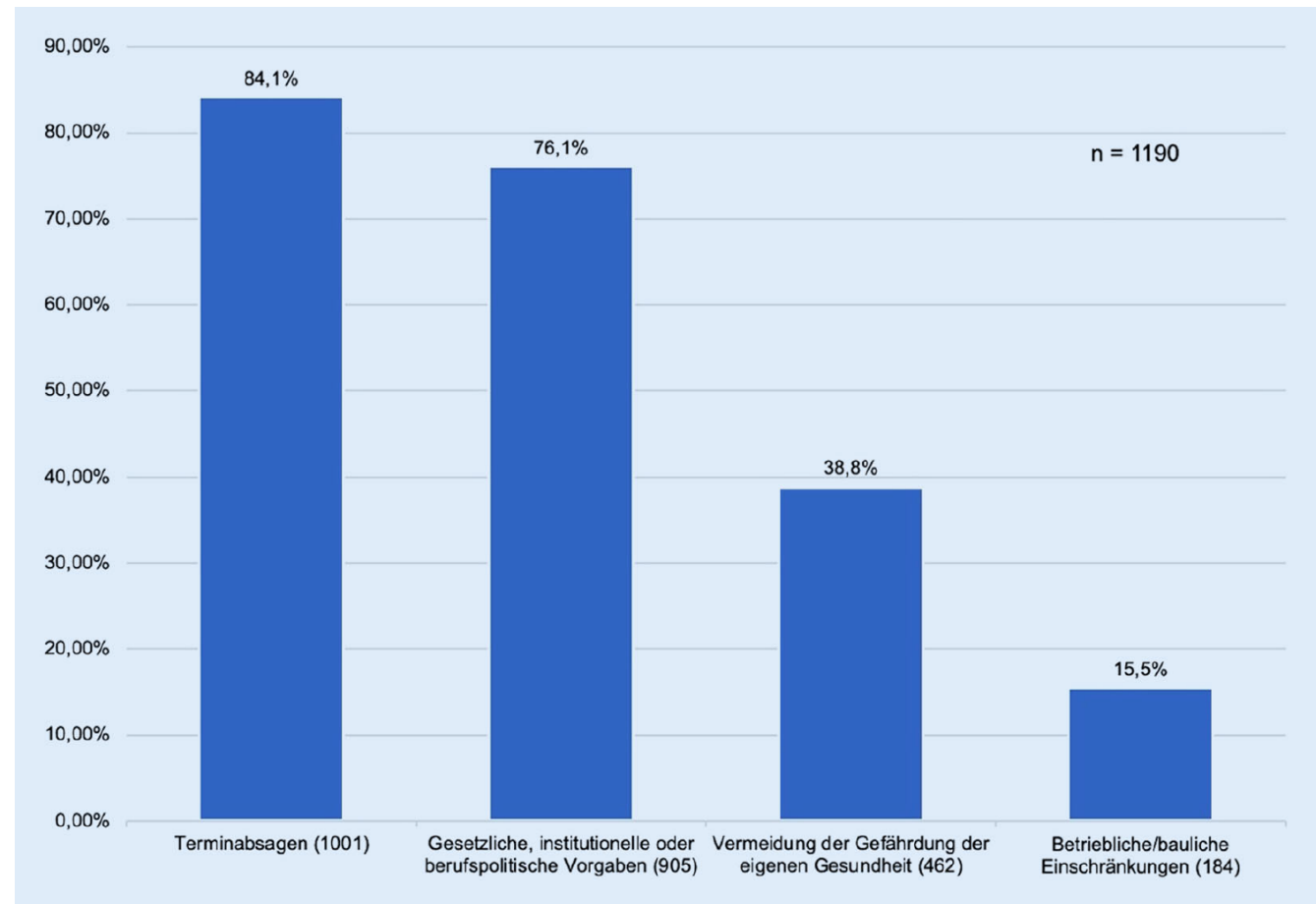
Hattenbach et al.; Ophthalmologe 2020



Reasons For Restriction Of Medical Supply

Ophthalmology In Germany

- In addition to appointment cancellations due to fear of infection, legal, institutional or professional policy requirements were cited as a reason for a restriction of ophthalmological care
- Hattenbach et al. in Ophthalmologe 2020



The Impact of the COVID-19 Pandemic on Ophthalmology Resident Perceptions of Clinical Experience, Surgical Training, and Personal Life

Shoji MK et al. from Bascom Palmer Eye Institute, University of Miami Miller School of Medicine, Miami, Florida

: J Acad Ophthalmol 2021;13:e288–e297.

Most participants reported overall worsening of their ophthalmology training experience due to COVID-19 (75.1%), with worsening of clinical training reported by 72.5% of participants and worsening of surgical training reported by 89.1% of participants

Abstract

Objective The coronavirus disease 2019 (COVID-19) pandemic has affected multiple areas of health care, including residency training programs. Elucidating the effect of the COVID-19 pandemic on resident clinical experience, surgical training, and wellness is essential to identify areas in which programs can provide additional educational and personal resources to trainees. This study aims to evaluate the experiences of ophthalmology residents during the pandemic.

Design The design is a cross-sectional, nonvalidated survey study. The survey was administered online with data collection from August 22 to August 31, 2020.

Participants Applicants to the Bascom Palmer Eye Institute ophthalmology residency program during the 2016 to 2019 application cycles were invited to complete the survey to encompass trainees currently in ophthalmology residency during the COVID-19 pandemic. Applicants who were not training at an ophthalmology residency program during the pandemic were excluded.

Methods This study involved eliciting feedback from ophthalmology residents on the perceived impact of COVID-19 on their residency experiences through survey questions.

Main Outcome Measures Perceived didactic, clinical, surgical, and overall experiences of residents during the COVID-19 pandemic, effect on cataract and noncataract surgical case volume, and perceived effects on resident personal life.

Results Responses were obtained from 357 (22.8%) individuals, 193 of which met inclusion criteria (59.1% male, 54.9% aged 30–34). Most participants reported overall worsening of their ophthalmology training experience due to COVID-19 (75.1%), with worsening of clinical training reported by 72.5% of participants and worsening of surgical training reported by 89.1% of participants. There were no significant differences in the perception of the impact of COVID-19 on overall training experience, clinical training experience, or surgical training experience among geographic regions ($p = 0.43$, $p = 0.23$, $p = 0.27$, respectively). A higher percentage of post-graduate year 3

Keywords

- ▶ ophthalmology residency
- ▶ COVID-19
- ▶ pandemic
- ▶ education

Summary

Ophtalmology In Germany And The Impact Of Covid-19 On The Residency Program

- The Covid pandemic has led to a significant decrease in case numbers in conservative and surgical ophthalmology in Germany as well.
- As a consequence, this has also directly or indirectly affected the training of young doctors.
- **To be noted !**
- Many resident physicians have been affected by COVID-19 through direct infection, quarantine, or redeployment. Lack of access to testing and concern regarding suboptimal PPE are common among residency programs

New York City COVID-19 resident physician exposure during exponential phase of pandemic

Mark P. Breazzano,^{1,2,3} Junchao Shen,⁴ Aliaa H. Abdelhakim,^{1,2,3} Lora R. Dagi Glass,¹ Jason D. Horowitz,¹ Sharon X. Xie,⁵ C. Gustavo de Moraes,¹ Alice Chen-Plotkin,⁴ Royce W.S. Chen,¹ and on behalf of the New York City Residency Program Directors COVID-19 Research Group⁶

Published May 28, 2020 - [More info](#)

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Related article:

[Toward better preparedness for the next pandemic](#)

Lauren I. Shapiro, ... , Julia H. Arnsten, Yaron Tomer

Commentary  24

^ Abstract

BACKGROUND. From March 2, 2020, to April 12, 2020, New York City (NYC) experienced exponential growth of the COVID-19 pandemic due to novel coronavirus (SARS-CoV-2). Little is known regarding how physicians have been affected. We aimed to characterize the COVID-19 impact on NYC resident physicians.

METHODS. IRB-exempt and expedited cross-sectional analysis through survey to NYC residency program directors April 3–12, 2020, encompassing events from March 2, 2020, to April 12, 2020.

RESULTS. From an estimated 340 residency programs around NYC, recruitment yielded 91 responses, representing 24 specialties and 2306 residents. In 45.1% of programs, at least 1 resident with confirmed COVID-19 was reported. One hundred one resident physicians were confirmed COVID-19-positive, with an additional 163 residents presumed positive for COVID-19 based on symptoms but awaiting or unable to obtain testing. Two COVID-19-positive residents were hospitalized, with 1 in intensive care. Among specialties with more than 100 residents represented, negative binomial regression indicated that infection risk differed by specialty ($P = 0.039$). In 80% of programs, quarantining a resident was reported. Ninety of 91 programs reported reuse or extended mask use, and 43 programs reported that personal protective equipment (PPE) was suboptimal. Sixty-five programs (74.7%) redeployed residents elsewhere to support COVID-19 efforts.

CONCLUSION. Many resident physicians around NYC have been affected by COVID-19 through direct infection, quarantine, or redeployment. Lack of access to testing and concern regarding suboptimal PPE are common among residency programs. Infection risk may differ by specialty.



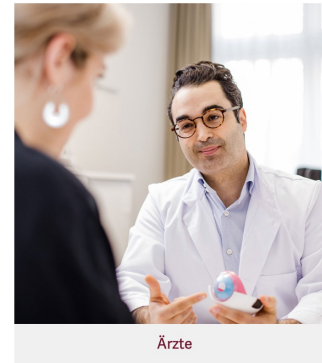
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Ärzte



Medizinisches Fachpersonal



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Mit über 140 ARTEMIS-Standorten stellen wir überregional die Versorgung des gesamten Spektrums der Augenheilkunde auf Basis anerkannter wissenschaftlicher Erkenntnisse sicher. Das macht uns zu einer der größten Gruppen aus hoch spezialisierten Augenkliniken, OP-Zentren und Praxen in Deutschland und in der Schweiz. Mit dem Namen ARTEMIS verbindet sich nicht nur modernste medizinische Diagnostik, sondern auch fachliche Expertise und langjährige Erfahrung.

In den ARTEMIS-Zentren werden jährlich über 170.000 Augenoperationen von mehr als 270 Ärzten/Ärztinnen durchgeführt. Und die Focus-Liste der Top-Mediziner für das Jahr 2021 bestätigt einmal mehr: Die Ärzte der ARTEMIS Augenkliniken gehören zu den besten Ärzten Deutschlands. Mit der Erfahrung aus weit mehr als zwei Jahrzehnten setzen wir uns dafür ein, den Wunsch nach mehr Lebensqualität zu erfüllen.