



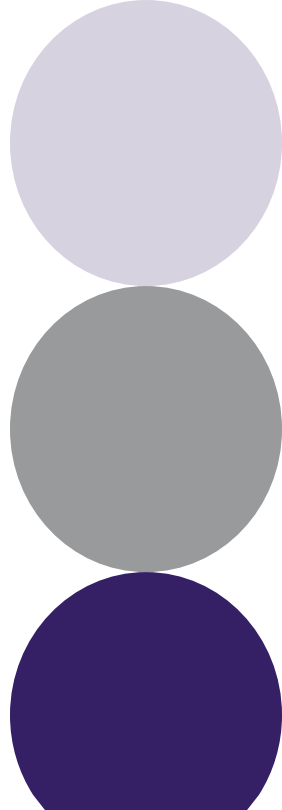
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# Advice for the 2026–27 Ophthalmology Residency Match Season

June 3, 2026





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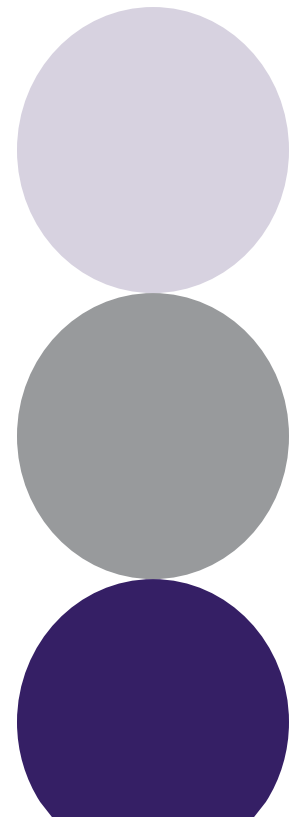


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# Welcome

Moran Roni Levin, MD  
Director of Medical Student Education  
University of Maryland School of Medicine

Ariane Kaplan, MD  
Director of Medical Student Education  
Residency Program Director  
University of Michigan



# Purpose of this Webinar

- A diverse panel of presenters, including department chairs, medical student and resident educators in ophthalmology, as well as those who hold roles in the dean's office, will share guidance about applying for this year's ophthalmology residency match.
- Presenters will cover tips related to an approach to residency application in ophthalmology
- We will give you the latest available information regarding this year's match.
- Attendees will receive a handout with links to useful resources.
- This webinar and associated handout will be posted

# Moderators



**Moderator:**  
**Ariane Kaplan, MD**  
Medical Student Educator,  
Residency Program Director  
University of Michigan



**Co-Moderator:**  
**Moran Roni Levin, MD**  
Director of Medical Student Education  
University of Maryland  
School of Medicine



**Q&A Assistance:**  
**Nisha Chadha, MD**  
Associate Professor  
Icahn School of Medicine at  
Mount Sinai/New York Eye and Ear  
Infirmary of Mount Sinai

# Speakers



Speaker:

**Nisha Chadha, MD**

Associate Professor

Icahn School of Medicine at Mount Sinai/  
New York Eye and Ear Infirmary  
of Mount Sinai



Speaker:

**Zachary Elkin, MD, MPH**

Director of Medical Student Education  
NYU Grossman School of Medicine



Speaker:

**Janice Law, MD**

Vice Chair for Education  
Vanderbilt Eye Institute



Speaker:

**Jennifer Lindsey, MD, MBA**

Residency Program Director and  
Vice Chair for Education  
Mass Eye and Ear/Harvard Ophthalmology



Speaker:

**Neeti Parikh, MD**

Vice Chair of Medical Student Education,  
Ophthalmology  
University of California, San Francisco



Speaker:

**Jeffrey SooHoo, MD, MBA**

Associate Dean of Admissions  
and Student Affairs

University of Colorado School of Medicine



Speaker:

**Paul Sternberg, MD**

CEO

Association of University Professors  
of Ophthalmology



Speaker:

**Arthi Venkat, MD**

Associate Professor  
University of Virginia



Speaker:

**Alice Yang Zhang, MD**

Residency Program Director,  
Associate Professor

University of North Carolina at Chapel Hill

# Overview of the Topics



- The Changing Landscape of the Ophthalmology Match  
**Paul Sternberg, MD**
- Advice from the Dean's Office  
**Jeffrey SooHoo, MD, MBA**
- Updates from the SF Match Oversight Committee  
**Janice Law, MD**
- SF Match Application  
**Neeti Parikh, MD**
- Letters of Recommendation  
**Arthi Venkat, MD**
- Preference Signaling  
**Jennifer Lindsey, MD, MBA**
- Away Rotations  
**Zachary Elkin, MD, MPH**
- Artificial Intelligence in Applications  
**Nisha Chadha, MD**
- Non-traditional Applicant  
**Alice Yang Zhang, MD**
- Open Q/A

# Housekeeping

- Use the **Q&A function** to ask questions and communicate with panelists.
- This webinar is being recorded.



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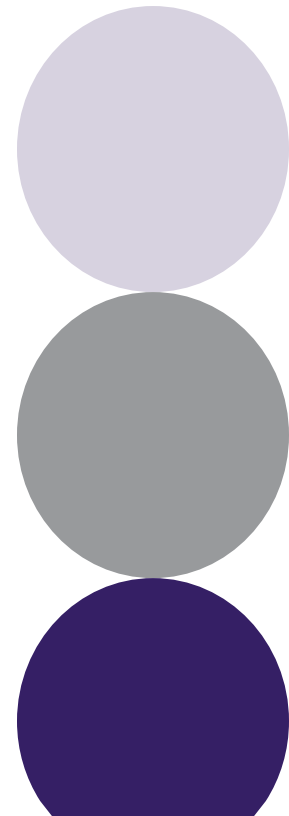
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# Q/A

Nisha Chadha, MD

Director Medical Student Education

Icahn School of Medicine at Mount Sinai/New York Eye and Ear Infirmary at  
Mount Sinai





# POLL



# Paul Sternberg, MD

Chief Executive Officer

AUPO

Nashville, TN



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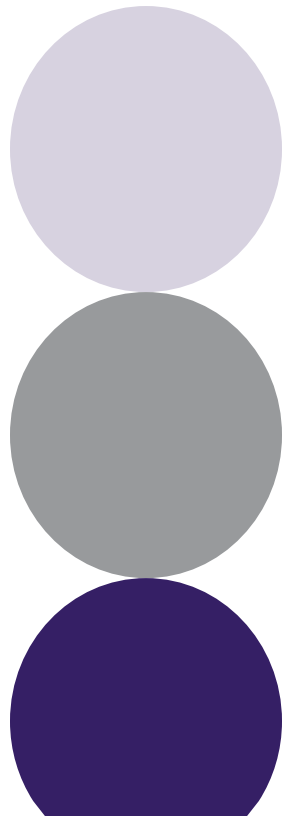
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# The Changing Landscape of the Ophthalmology Match

Paul Sternberg, Jr., MD

CEO, Association of University Professors of  
Ophthalmology

Former Chair, Vanderbilt Eye Institute



# Why ophthalmology?

- Unique blend of medical and surgical care
- Always at the cutting edge of care
- Take care of patients from infant to elderly
- Develop long term enriching patient relationship
- You can directly see the pathology
- It can be really cool!
- The hours are very reasonable
- The compensation is quite good



# Ophthalmology Match

- Prior to 1979, ophthalmology did not participate in NRMP and did not have a matching program
  - Interested medical students would contact ophthalmology programs, interview, and be offered slots
  - Interviews could be at any point during medical school -- mostly third or fourth year
  - Offers frequently had expiration dates – “exploding offers”
  - Applicants had a limited time to accept or decline an offer

# Shortcomings of pre-match process

- Applicants had to commit to ophthalmology early in medical school
- Programs were pressured to extend offers early, to attract best candidates
- Applicants were pressured to accept offers, even when they had other interviews scheduled

# Challenges along the way

- Efforts by NRMP to take over SF Match
- Challenge to SF Match algorithm led to some modification
- Risk of litigation when Family Medicine residents filed antitrust lawsuit vs. NRMP in 2002
  - Senators Kennedy and Gregg added a rider to an unrelated federal spending bill in 2004
  - Exempted NRMP from the antitrust law and the exemption was retroactive

# SF Match launched in 1979

- Far from unanimous support among departments
- Greater support from smaller programs and there were more of them!
- Adopted an algorithm developed by Dr. August Colenbrander
  - Dutch trained ophthalmologist
  - Gifted mathematician and early adopter of computer technology

# Recent changes to the match landscape

- Pandemic forced replacement of in-person interviews to virtual interviews
- Number of interviews limited to 15
- Virtual interviews have persisted
  - Marked reduction in travel costs to applicants
  - Easier to schedule interviews
    - Can interview at more than one program on same day
    - Don't have limitations based on travel challenges

# Recent changes to the match landscape

- Open Houses
  - With virtual interviews, candidates have not had the opportunity to visit departments
  - However, AUPO did not want to create situations where candidates could impact ranking by investing time and resources to visit
  - Open Houses give candidates the opportunity to visit programs of interest after the program has submitted their rank lists but prior to candidates submitting their list
  - Uptake of Open House opportunity has been modest

# Recent changes to the match landscape

- Reduction in objective data on applications
  - Medical schools moving to “pass-fail” vs. grades
  - Step 1 Board exam moving to “pass-fail” vs. scores
  - Many schools have eliminated class rank and AOA
  - Introduction of 4 essay questions, from which candidates select 2
- Has forced programs to modify application review process
  - Much more difficult to differentiate quality of applicant
  - May lead to more reliance on candidates who are local or who have done rotations

# Recent changes to the match landscape

- DEI challenges
  - In recent past, residency applications allowed candidates to self-identify as underrepresented in medicine (URIM)
  - Short essays included options to write about how a candidate could bring diversity to a program
  - 2025 Executive Orders led to elimination of these opportunities

# Recent changes to the match landscape

- Preference signals
  - Initiated in 2024
  - Allows candidates to indicate preferred programs
  - Aimed to reduce number of applications submitted and help programs with interview determinations
  - Number of signals has increased each year since launch

# Recent changes to the match landscape

- Batched interview release
  - Invitations for interviews released on defined dates and defined times
  - Reduces need for applicants to be alert for interview invitations at all times for several months
  - Initiated last year with 4 dates
  - Reduced to 2 dates this year with 24-hour gap between release and scheduling to give candidates time to schedule interviews thoughtfully

# Recent changes to the match landscape

- Recent concerns related to AI
  - AI technology can assist applicants in preparing aspects of written application, especially person statement
  - AI technology can assist faculty in preparing letters of recommendation
  - AI technology can assist programs in screening and scoring applications
  - AI technology can even assist applicants in virtual interviews

# Why ophthalmology – now?

- Despite changes in match, ophthalmology remains a very attractive career choice
- AUPO and SF Match are committed to continued reevaluation of and updates to the match to optimize the experience for our applicants



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# Jeffrey SooHoo, MD, MBA

Associate Dean of Admissions and  
Student Affairs

University of Colorado School of  
Medicine

Aurora, CO



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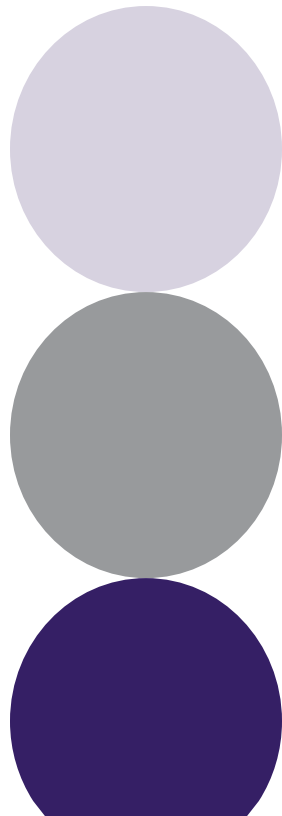


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# Advice from the Dean's Office

Jeffrey R. SooHoo, MD, MBA

Associate Dean of Admissions and Student Affairs  
University of Colorado School of Medicine





# Disclosures

- Employed by the University of Colorado
- Former residency program director
- My opinions/thoughts are my own

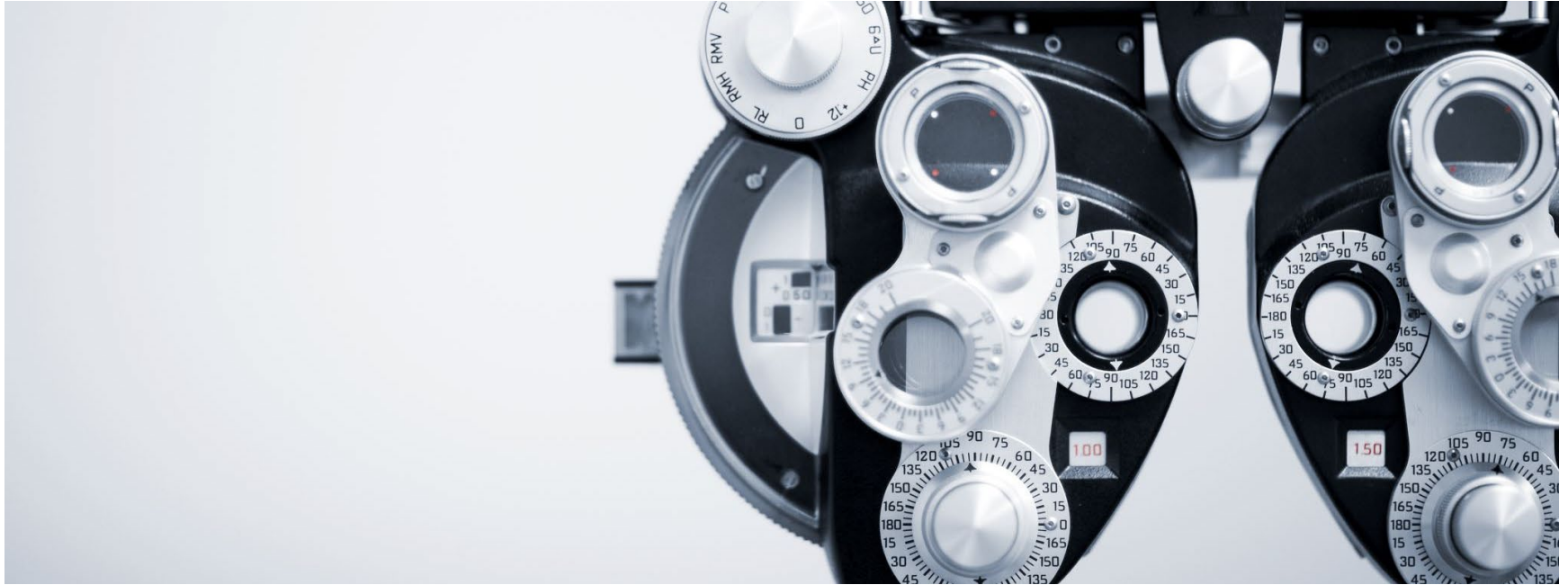
# Is ophthalmology right for me?

- Gauge your interest
  - Local shadowing opportunities
  - Virtual opportunities (grand rounds, etc)
  - Identify an ophthalmology mentor
  - Local ophtho interest group
  - Mentorship Programs
    - AAO Vision
    - Rabb Venable
    - Women in Ophthalmology



**WOMEN**  
IN OPHTHALMOLOGY  
EMPOWERING ASPIRATIONS

# COMMITTED TO OPHTHALMOLOGY!!





# How do I compare?

- Data, data, data
- Be realistic about the overall competitiveness of the field

2025 SUMMARY REPORT  
Ophthalmology  
Residency Match



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## Program Data

	Integrated	Joint	Total
Number of Participating Programs	56	67	123
Total Number of Positions Offered	239	286	525
Total Number of Positions Filled	239	285	524
Total Number of Unfilled Positions	0	1	1

c

# Comparative Overall Statistics 2019 – 2025

	Jan 2019	Jan 2020	Jan 2021	Feb 2022	Feb 2023	Feb 2024	Feb 2025
<b>APPLICANTS OVERVIEW</b>							
Registered for the match	790	737	829	877	855	917	<b>958</b>
Applied to programs	740	703	767	831	815	877	<b>912</b>
Submitted rank list	649	635	677	748	742	779	<b>812</b>
Ranked by programs	635	617	665	748	723	768	<b>786</b>
<b>APPLICANTS MATCH OUTCOME (n / SUBMITTED RANK LIST)</b>							
<b>Overall % Matched</b>	<b>75%</b> (484)	<b>78%</b> (495)	<b>74%</b> (498)	<b>68%</b> (507)	<b>69%</b> (514)	<b>66%</b> (518)	<b>65%</b> (524)
US Seniors % Matched	<b>93%</b> (449)	<b>90%</b> (444)	<b>91%</b> (455)	<b>92%</b> (469)	<b>90%</b> (464)	<b>89%</b> (463)	<b>90%</b> (470)
US Grads % Matched	<b>4%</b> (18)	<b>4%</b> (22)	<b>6%</b> (29)	<b>5%</b> (24)	<b>6%</b> (33)	<b>6%</b> (33)	<b>8%</b> (43)
IMGs % Matched	<b>3%</b> (17)	<b>6%</b> (29)	<b>3%</b> (14)	<b>3%</b> (14)	<b>3%</b> (17)	<b>4%</b> (22)	<b>2%</b> (11)
<b>Overall % Unmatched</b>	<b>25%</b> (165)	<b>22%</b> (140)	<b>26%</b> (179)	<b>32%</b> (241)	<b>31%</b> (228)	<b>34%</b> (261)	<b>35%</b> (288)
<b>POSITIONS OVERVIEW</b>							
Offered	485	496	499	509	516	520	<b>525</b>
Filled	484	495	498	507	514	518	<b>524</b>
Unfilled	1	1	1	2	2	2	<b>1</b>

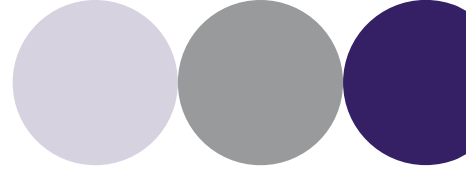


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## Match Rates Among Individual Applicant Categories

	Number Matched / Number of Applicants	Category Match Rate
US Allopathic Seniors	450 / 624	72%
US Allopathic Graduates	39/65	60%
US Osteopathic Seniors	20/59	34%
US Osteopathic Graduates	4/11	36%
International Seniors	0/1	0%
International Graduates	11/52	21%

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# USMLE Step 2



## Step 2 CK

- How important is it?
- When should I take it?
- How long should I prepare for it?

**D** USMLE Step 2 and COMLEX 2  
Mean Scores (Range)

USMLE Step 2 CK	Matched	Unmatched
US Seniors	<b>258</b> (224-282)	<b>245</b> (215-271)
US Grads	<b>252</b> (216-268)	<b>243</b> (218-265)
Internationals	<b>253</b> (219-269)	<b>245</b> (203-271)

COMLEX 2 CE	Matched	Unmatched
US Seniors	<b>622</b> (510-793)	<b>548</b> (409-738)
US Grads	<b>587</b> (468-664)	<b>554</b> (435-669)



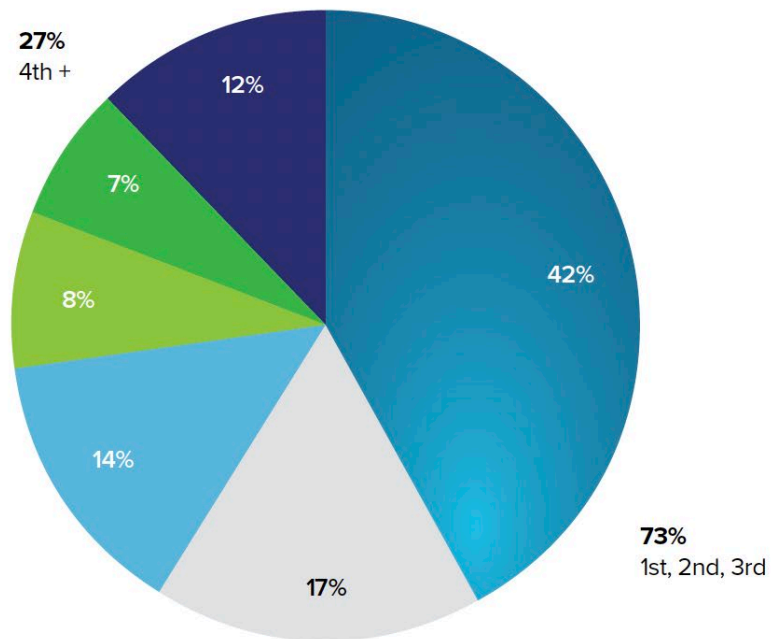
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## Match Result by Rank List Position

### 2025 Ophthalmology Residency Match

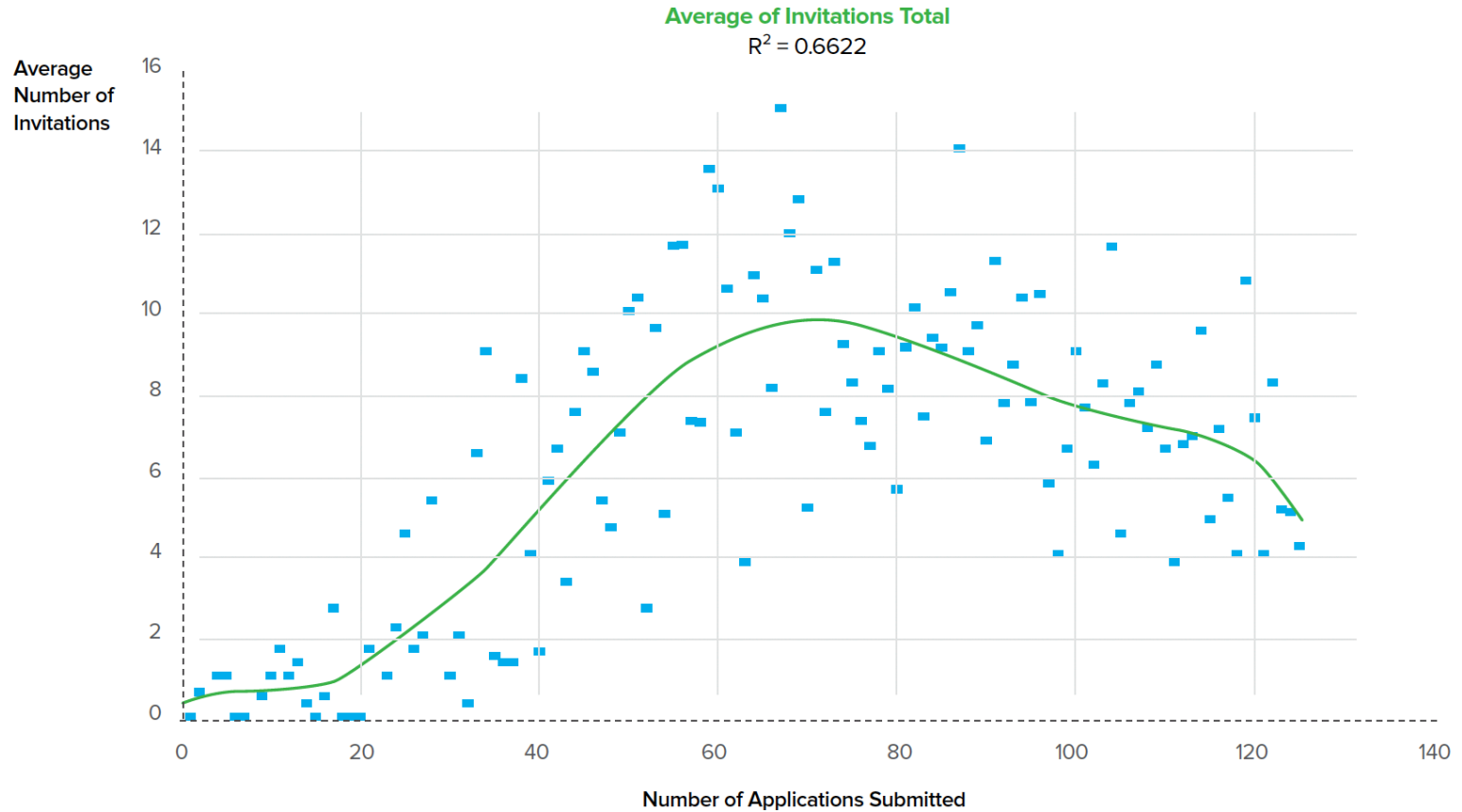
Applicants  
n = 524

Matched at 1st Choice	42%
Matched at 2nd Choice	17%
Matched at 3rd Choice	14%
Matched at 4th Choice	8%
Matched at 5th Choice	7%
Matched at ≥ 6th Choice	12%



N

# Number of Interview Invitations vs Applications Submitted





## Signal Data Use vs. Any Interview Invitation from Signaled Program



Number of Signals Applied	Applicant Count	Number of Applicants Invited by at Least 1 Signaled Program
0	12	n/a
1	6	2 (33%)
2	1	1 (100%)
3	3	2 (67%)
4	2	0 (0%)
5	7	2 (29%)
6	6	3 (50%)
7	875	786 (90%)
<b>Total</b>	<b>912</b>	<b>796</b> (87%)



# Taking a year off (research, etc)



- Find a mentor or program with a track record of success
- Needs to be productive
- Be realistic about the timeline

## Major Publications

## MATCHED APPLICANTS n = 524

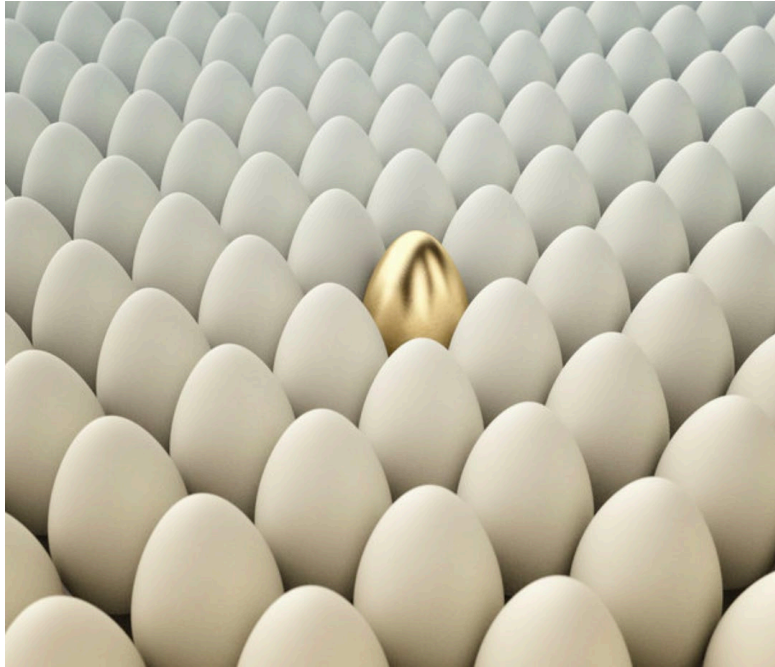
	Peer-Reviewed Articles – Published Mean (Range)	Peer-Reviewed Abstracts – Published Mean (Range)	Peer-Reviewed Online Articles – Published Mean (Range)	Non-Peer-Reviewed Online Articles – Published Mean (Range)
First-author	1.8 (0-15)	0.6 (0-5)	0.2 (0-7)	0.4 (0-15)
Co-author	2.9 (0-25)	1.1 (0-19)	0.1 (0-9)	0.2 (0-7)
<b>Total</b>	<b>4.7</b> (0-25)	<b>1.7</b> (0-19)	<b>0.3</b> (0-9)	<b>0.6</b> (0-15)

## UNMATCHED APPLICANTS n = 288

	Peer-Reviewed Articles – Published Mean (Range)	Peer-Reviewed Abstracts – Published Mean (Range)	Peer-Reviewed Online Articles – Published Mean (Range)	Non-Peer-Reviewed Online Articles – Published Mean (Range)
First-author	1.3 (0-18)	0.5 (0-7)	0.3 (0-10)	0.3 (0-11)
Co-author	2.9 (0-35)	0.9 (0-17)	0.1 (0-5)	0.1 (0-7)
<b>Total</b>	<b>4.2</b> (0-35)	<b>1.4</b> (0-17)	<b>0.4</b> (0-10)	<b>0.4</b> (0-11)



# How do I compare?



- Factors to consider (not exhaustive):
  - Class rank/grades
  - Research
  - Unique interests/talents
  - Supportive mentors/LoRs
  - Adversity overcome
  - Leadership/service
  - USMLE Step 2 CK



# How do I improve my odds?

- Speak to a mentor/advisory dean – not one size fits all
- Demonstrate dedication, passion, etc
- Away rotations
- Signals





# What if I don't measure up?

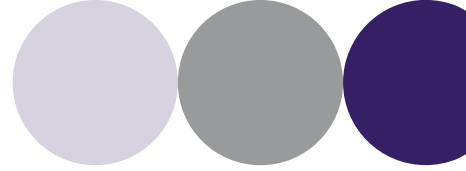
- What can you change (and what can't you)?
- Ophthalmology or bust?
  - Research year?
- Happy in other clinical settings?
  - Dual apply?



# MSPE

- Noteworthy characteristics
- Review grades/clerkship narratives for accuracy
- Try not to stress about things you can't change





# Where to apply?

- Try and ignore the rankings or hearsay about programs
- Reflect on your learning style and career goals
  - Supervision style, graduated autonomy, sites of practice
  - Research?
  - Fellowship?
- Practical matters (location, location, location)
- Talk to mentors, recent graduates
  - Ideally, current residents



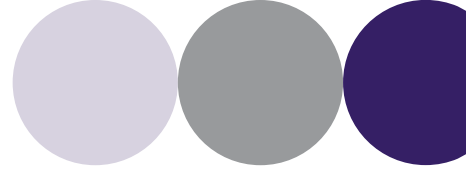
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# Janice Law, MD

Vice Chair for Education

Vanderbilt Eye Institute

Nashville, TN



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# Updates from the SF Match Oversight Committee

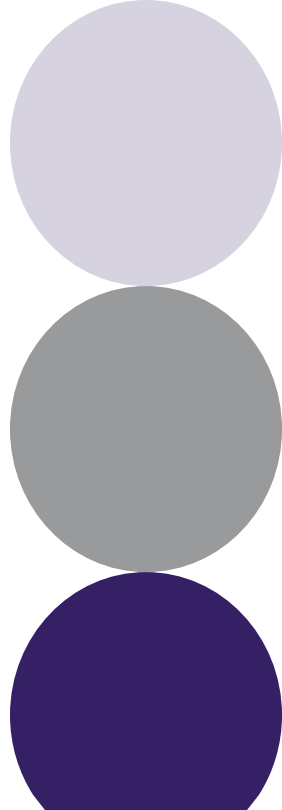
Janice C. Law, MD

Gloria M. Sternberg Directorship in Ophthalmology

Vice Chair for Education

Director, Medical Student Education

Vanderbilt Eye Institute, Nashville, TN



# 2026-2027 SF Match Oversight Committee



Pavlina Kemp, MD



Nisha Chadha, MD



Brian Song, MD



Janice Law, MD



Jeff Pettey, MD  
Committee Chair



Kimberly Crowder,  
MD



Daniel Moore, MD



Mike Siatkowski,  
MD, MBA  
Inaugural  
Committee Chair



James Tsai, MD, MBA  
President, AUPO



Paul Sternberg, MD  
CEO, AUPO



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Past Members  
**2025-2026**  
SF Match  
Oversight  
Committee



Steve Feldon, MD, MBA  
Former CEO, AUPO



Terry Young, MD, MBA  
Past President, AUPO



Fasika Woreta, MD, MPH

# 2026-2027 Virtual Interviews

Optional In-person  
**Open House** visits  
begin 12/28

MATCH DAY January 25th



# Interview Release Process

Name \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_



# Match Cycles Prior to 2025-2026



Any time/any place



2 months long



When is the next invite?





## 2026-27 SF Match Coordinated Interview Release

Interviews release

**Tuesday 10/13**

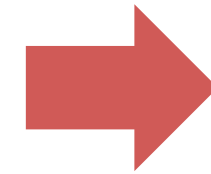
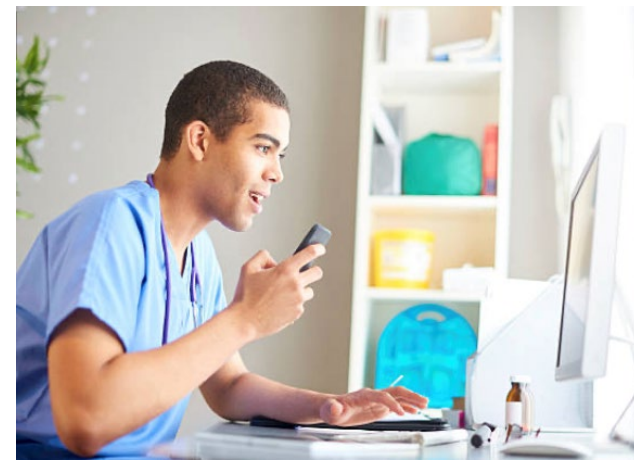
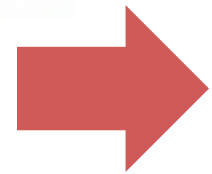
**Tuesday 10/20**

**NEW**

24 Hour waiting period  
before responding to invites

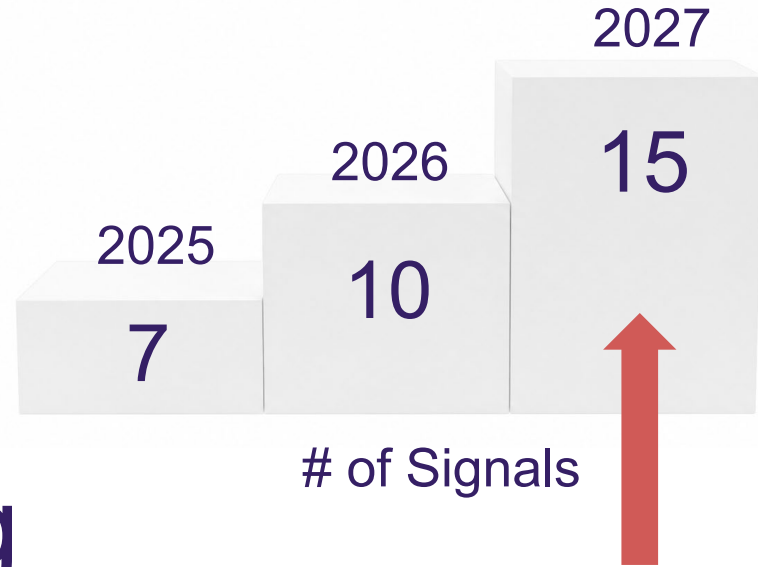


Interviews  
released on  
Tuesday  
Noon (PT)



Interviews can  
be accepted  
online on  
Wednesday  
Noon (PT)



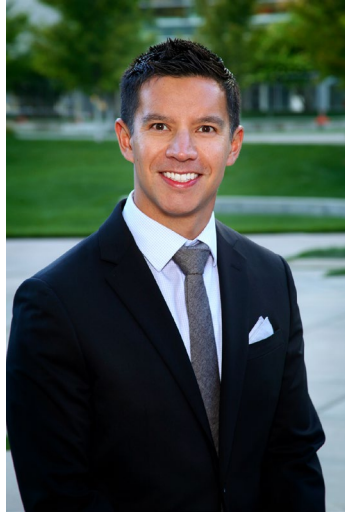


# Preference Signaling

# Preference Signaling Task Force



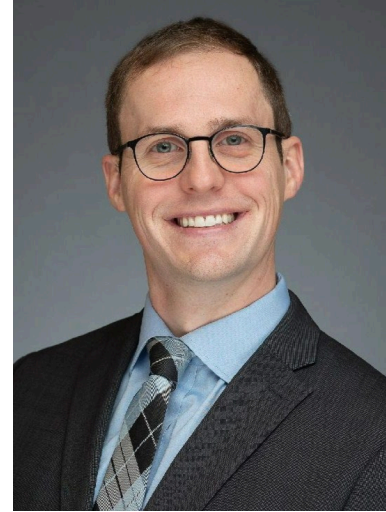
Jamie Rosenberg, MD



Jeff Soohoo, MD



Maria Reinoso, MD



Andrew Melson, MD



Rachel Simpson, MD



# Unmatched notification



**January 22**

**ONLY** unmatched applicants will be alerted by email.



# SF Match Scheduler Queue

Programs rank order applicants for automated interview invitations on 10/13 and/or 10/20

For any vacancies after 10/20, programs may automate or manually send invitations

A publicized waitlist will not be available

## Medical Student Resources

AUPO's curated resources are intended to assist medical students applying for ophthalmology residency. Materials are updated annually to share the most current and relevant materials to aid students for a successful ophthalmology match experience. Our well-attended annual webinar, *Advice for the Ophthalmology Residency Match Season*, is a highlight to plan for each June.

AUPO/AAO Webinar: Advice for the 2026-2027 Ophthalmology Residency Match Season – June 3, 2026



2026-2027 Ophthalmology Match Timeline



Ophthalmology Match Information & FAQs



Helpful Sites for Medical Students Interested in Ophthalmology



Resources and Articles



## Ophthalmology

### Overview

Central Application Service (CAS)

Resources for Medical Students

Timetable

Announcements

Helpful Links

Information for Medical Schools

Information for Programs

Match Rules

FAQs

Data Report

### RESOURCES FOR MEDICAL STUDENTS

Following are resources to assist medical students applying to ophthalmology.

- [2026-2027 Ophthalmology Residency Match Timeline](#)
- [2026-2027 Coordinated Interview Release Process FAQs](#)
- [2026-2027 Ophthalmology Residency Match FAQs](#)
- [2026-2027 Ophthalmology Residency Match Preference Signaling FAQs](#)
- 2026-2027 Ophthalmology Residency - Application & Interview Process Webinar (TBD)
- [Program Profile Info](#)
- Journal Article: [Probability of Success](#)
- Journal Article: [Predictors in Matching](#)
- [Ophthalmology Match Letters of Recommendation FAQ](#)
- [Tips for Successful Virtual Interviewing](#)





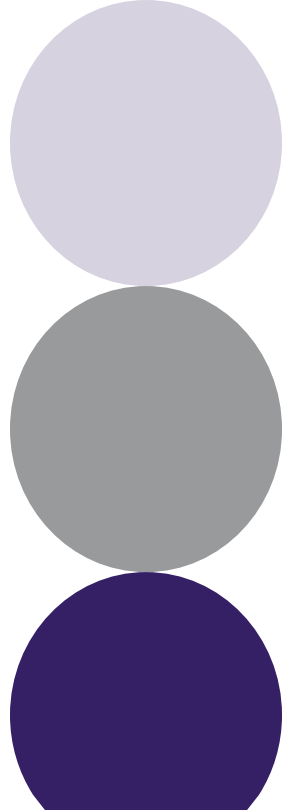
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Thank you!



Comment here!





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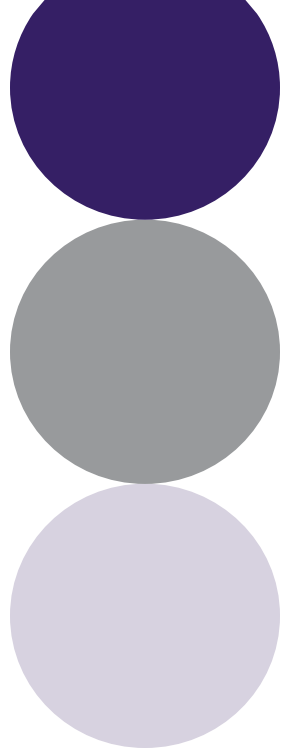


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# Advice for the 2026–27 Ophthalmology Residency Match Season

Presenter Group 1 Question & Answer

Webinar Handout Link in Chat





# Neeti Parikh, MD

Vice Chair of Medical Student  
Education, Ophthalmology

University of California, San  
Francisco

San Francisco, CA



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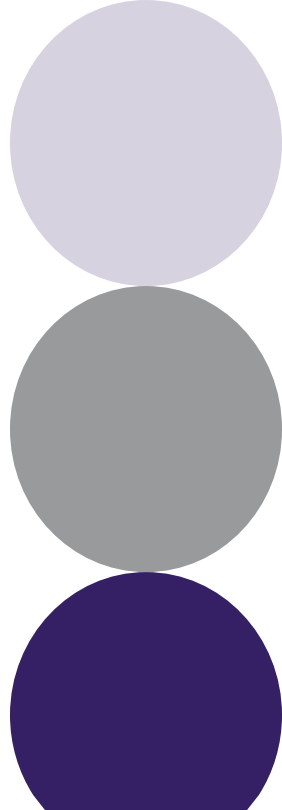
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# SF Match Application

Neeti Parikh, MD  
Director of Medical Student Education  
University of California, San Francisco



# Your Ophthalmology Residency Application

- More than a CV; it's a reflection of your journey and strengths
- Goal: present a clear, cohesive picture of what you offer a residency program





# SF Match Application Components

- **Personal Information form**
- **Required Supplemental form**
- **Personal Statements**
- *College Transcript(s)*
- *Medical School Transcript(s)*
- *USMLE/COMLEX or equivalent transcript(s)/report(s)*
- *Three (3) letters of reference*
- *MSPE*



# Part 1: Personal Information Form

- Includes contact details, educational background, training, work history, details of medical examinations, certifications, and licenses, along with list of publications/presentations, honors, awards, and interests
- This form can be updated at anytime during the match cycle
- Programs get updates on applications but may not always see them updates if they have already downloaded the application from SF match

# Education & Employment



## Education:

- Leave GPA/rank blank if unavailable

## Employment:

- Include medically relevant and non-medically relevant employment
- Make sure to include service- related jobs
- Working through school can show time management skills

# Publications:

Includes all publications, posters, presentations

- Peer-Reviewed Article Published
  - Peer Reviewed Article Not Published= In press, In revision, or Submitted (drop down)
  - Oral Presentation/Poster Presentation, Peer-Reviewed Online Articles  
Non-Peer Reviewed Online Articles, Peer Reviewed Book Chapter.  
Scientific Monograph, Other Articles
- 
- **Make sure your publications can be found!**

# Honors/ Interests: a place to list your honors/awards/achievements, research activities, outside interests and hobbies

- You can format this section. Keep it organized
- Research Activities:
  - Highlight unpublished/in-progress work
- Outside Interests & Hobbies
  - A simple list with short descriptions (if applicable)
  - Show personality and authenticity
  - Include interests you are comfortable discussing during interviews

## Part 2: Required Supplemental form

- Career Objectives
- Specialty Electives and Related Activities
- Public Service and Activities
- Once submitted, this form cannot be altered

# Career Objectives

- Be authentic: Your application should support your career objectives
- If you know something specific about your career goals (location, practice type, fellowship)- then say it!!
- This section can show personal insight

# Personal Statements

- Narrative/autobiographical sketch: 500-word maximum
- Answer 2 short-answer prompts\* (250 words each)

\* *Last year's short answer prompts:*

- *What does resilience mean to you? Describe a situation in your personal or professional life where you demonstrated resilience.*
- *Describe an important mentor and relate how that person has been helpful to you.*
- *Describe any unique attributes that you will bring to your residency class.*
- *If you were to start an ophthalmology residency program, what would be the three core values you would base it on?*

# Writing Tips: Core Strategy



- Focus on what you bring to a residency—not just why ophthalmology
- Demonstrate self reflection and growth
- Use concrete examples

.

# Short Answer Questions



- Focus on answering the question/prompt
- Ensure each response reveals who you are



# Narrative/Autobiographical sketch: How to start writing



## Acknowledge the fear

Accept that the first draft will be imperfect



## Review and List

Review activities and leadership roles



## Narrative drafting

Write short reflections for each experience



## Pattern recognition

Step back and identify recurring themes



## Synthesis

Use those themes to build your narrative



## Final checklist

What would a reader learn about you and is this what you want them to know?

# Final Application Advice

- Your entire application should support a coherent narrative
- Readers review many applications—Be clear, concise and organized
- Your overall application should answer: “Why should we train you?”

**You’ve worked hard to get where you are—  
this is your chance to share your story!**





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# Arthi Venkat, MD

Residency Program Director

University of Virginia

Charlottesville, VA



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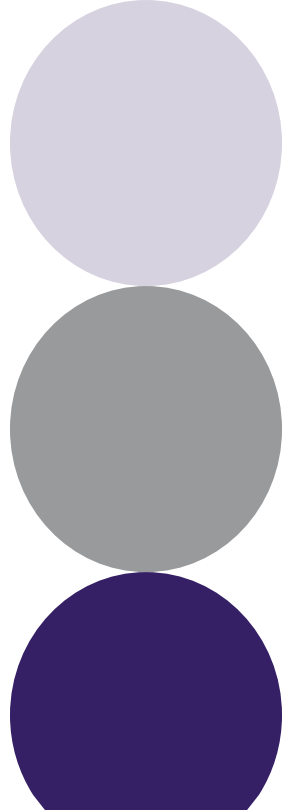
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# Letters of Recommendation

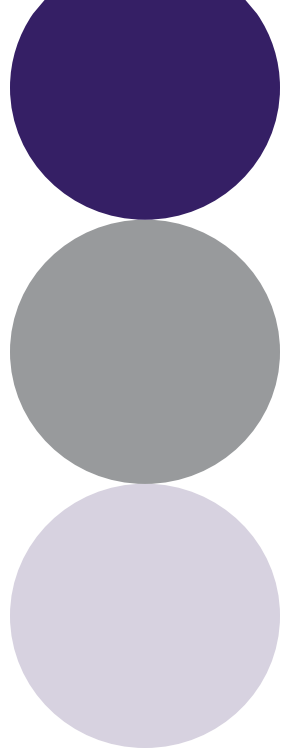
Arthi Venkat, MD, MS

University of Virginia

Ophthalmology Residency Program Director



# Why to ask?



# What should your letters say?

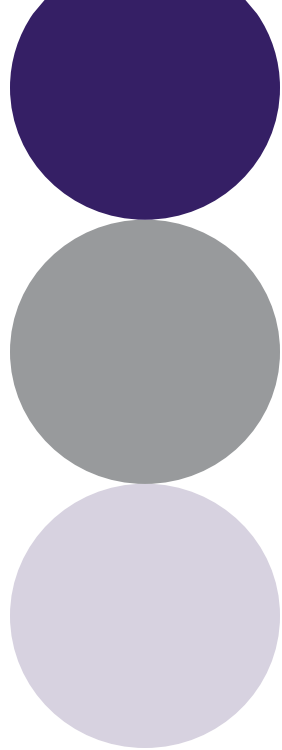
PDs are looking for:

- Grit/tenacity
- Dedication
- Empathy
- Commitment to the field

Letters talk about:

- “First to arrive, last to leave”
- “Talked with a patient who was depressed about vision loss”
- “Comes to our conferences, shows interest”

# Who to ask?

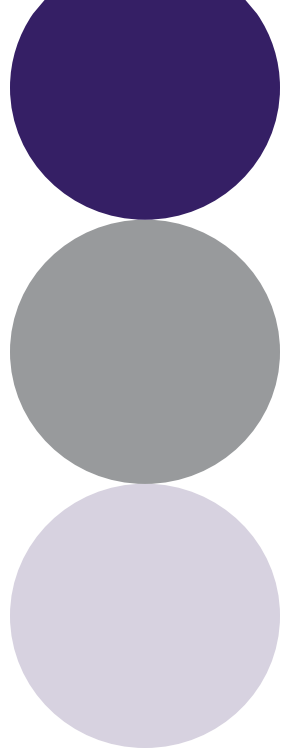


# Choosing a letter writer

- You DON'T need:
  - Someone “famous”
  - All ophthalmology letters
- You DO need:
  - Someone who can speak to your clinical skills
  - A witness of your dedication
  - Someone who has seen you interact with patients



# How (and when) to ask?



# Do's and Don'ts

- Don't:
  - Ask when they are clearly busy/occupied
  - Ask someone with whom you've spent under 2 weeks
  - Ask only research mentors
- Do
  - Set aside time to discuss/formally ask
  - Ask clinical faculty +/- research mentors
  - Give adequate lead time (at least 1 month prior to when you hope to submit your app, but more if possible).

# Final Tips

- Ask early
- Align letter writers with goals (clinically heavy vs research heavy programs)
- Provide letter writers with highlights





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# Jennifer Lindsey, MD, MBA

Residency Program Director and  
Vice Chair for Education

Mass Eye and Ear/Harvard  
Ophthalmology

Boston, MA



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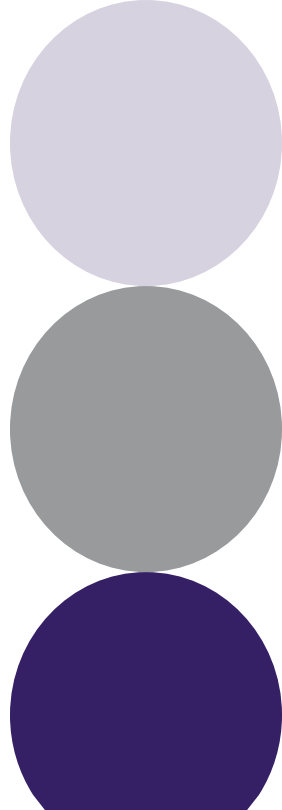
# Preference Signaling

Medical Student Advising Webinar 2026

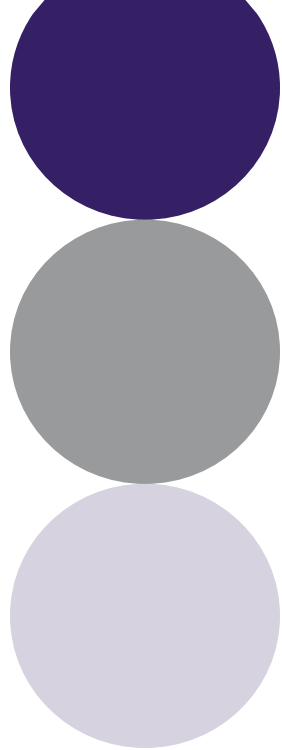
Jennifer Lindsey, MD, MBA

Past-President, AUPO Program Directors Council

Residency Director, Harvard/Mass Eye and Ear



No financial disclosures



# What is preference signaling?



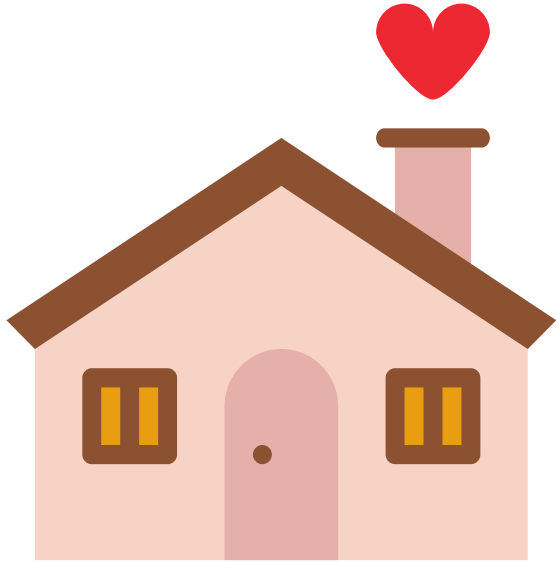
- Applicants can send signals to express particular interest in programs
- Piloted by ENT in 2021
- Has expanded to many other specialties
- Applicants have found it a positive addition to the match process
- Last year was our second year of preference signaling

# How does it work?

- Ophthalmology applicants will have **15 signals** to use
- All signals carry equal weight
- When you send in your application to a particular program, you will also have the option to signal that program
- We recommend using all



# What about programs where I rotated?



- Signal your home program and anywhere you did away rotations if you are interested in matching there
- Programs instructed to tell students this as well
- To be fair to those who do not have home programs

# What about on the program side?

Programs will decide how they use signals – some possibilities:

- To determine interview invitations
- To develop their rank list
- Not at all



# How should I choose where to send signals?

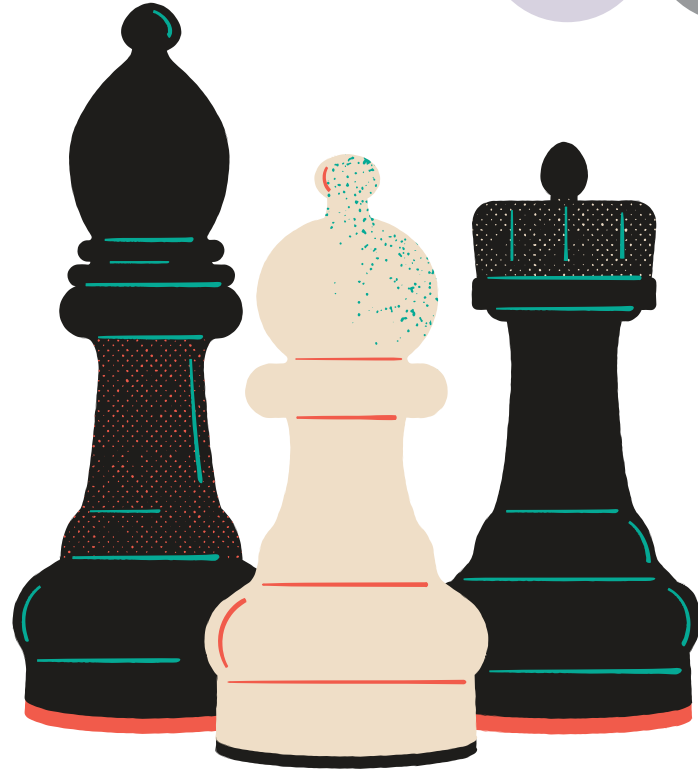


This will vary for each candidate.  
Some possible factors:

- Geography
- Partner requirements
- Information about programs
  - ✦ See SF match site and individual program websites
- Strength of your clerkship grades / scores / etc.

# General Advice

- Use your signals strategically
- Speak to your advisors about programs that they see as a good fit for you



# Data from 2025



- 99% of applicants used signals, almost all using all 7 signals
- Of those who used all 7 signals, 90% were invited to interview by at least one signaled program
- 65% of matched applicants matched at a signaled program

# Preference Signaling FAQs





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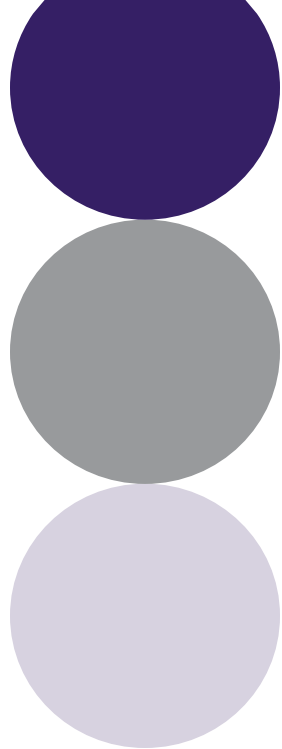


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# Advice for the 2026–27 Ophthalmology Residency Match Season

Presenter Group 2 Question & Answer

Webinar Handout Link in Chat





# Zachary Elkin, MD

Director of Medical Student  
Education

New York University Grossman  
School of Medicine

New York, NY



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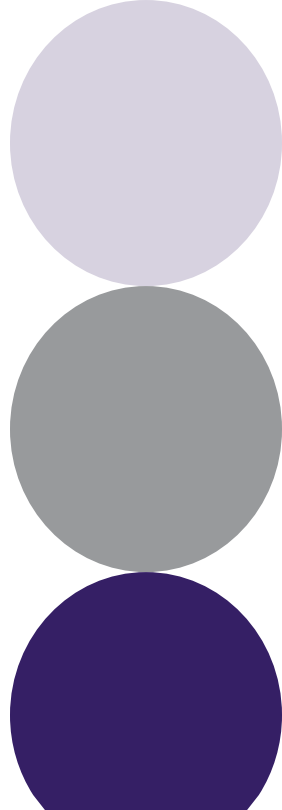


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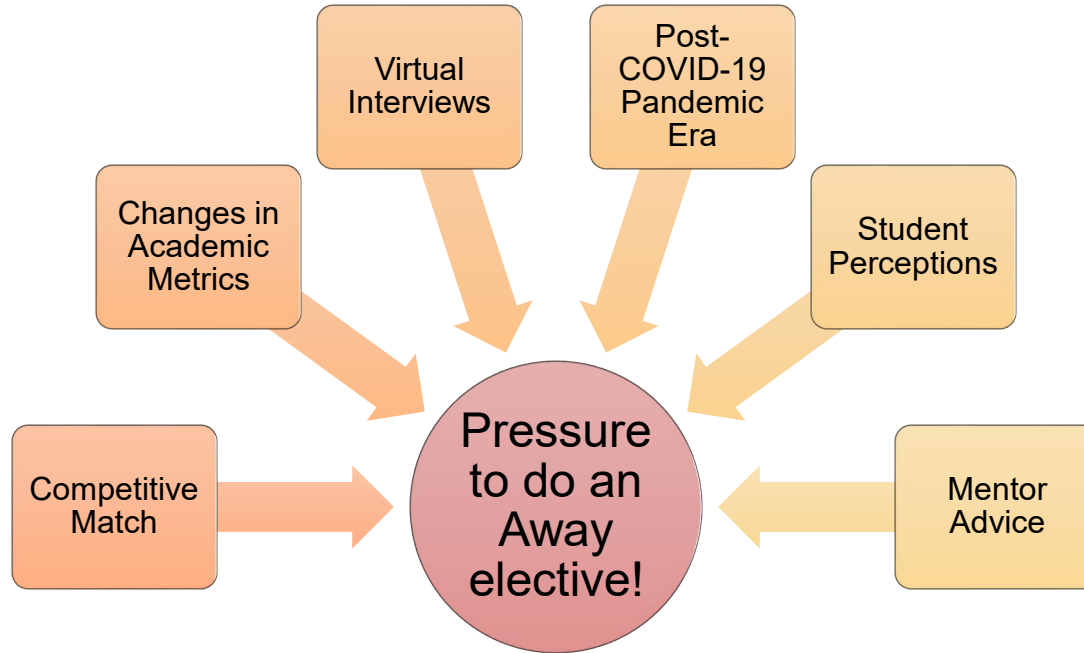
# Away Rotations: Answering the “Why,” “How,” and Secret for Success

Zachary Elkin, MD MPH

Associate Professor, Pediatric Ophthalmology  
Director, Medical Student Education  
Director, Pediatric Ophthalmology Fellowship  
Director of Medical Student Advising  
NYU Grossman School of Medicine



# Changing Match Landscape



# Why Do an Away Elective?

Student Perspective

## Students Who Did an Away

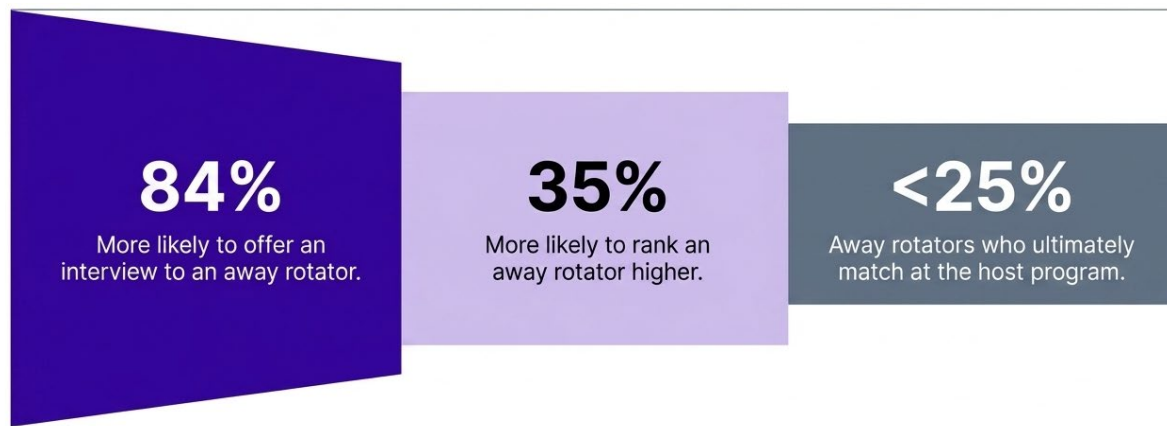
- Audition for a specific program
  - Improve chances of matching
- Learn about that program

## Students Who Did Not

- Time and cost >> help with match
- Applied but were not accepted

# Does an Away elective help?

Program Director Perspective



**\*\*Unclear how this is changing with preference signals!\*\***

# Does an Away elective help?

Match Outcomes



**Among 807 Applicants from 2018-2020 and  
2022-2024 using TexasSTAR Data...**

	<b>The Specific Program (The Bullseye)</b>	<b>The Surrounding Region (The Halo)</b>
<b>Interview Multiplier</b>	<b>Massive (OR 19.4)</b>	<b>Negligible (OR 1.2 in South/West only)</b>
<b>Match Multiplier</b>	<b>Massive (OR 16.7)</b>	<b>None (Not statistically significant)</b>

# So, should you do an away elective?

Please talk to your advisors!

Learn more ophthalmology

Get to know a specific program

Increase odds of receiving an interview at the program

Increase odds of matching at the program

Geographic boost

Get a letter of recommendation

Save a preference signal (Likely not!)

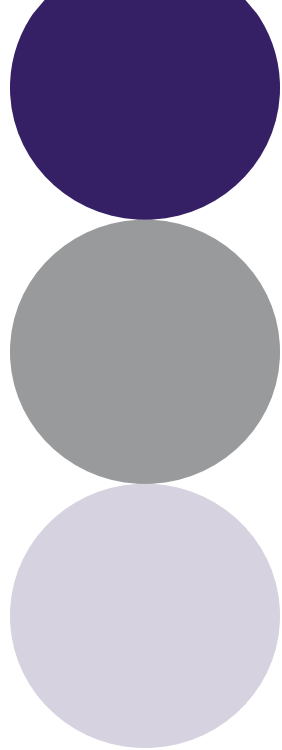
Save money (Kidding, they are expensive!)

*This is likely different for DO, IMG, and students without a home ophthalmology program!*

# Well, you decided to do and away elective.

Question: Where should you apply?

Answer: Ask yourself, “Where do you  
want to match?”

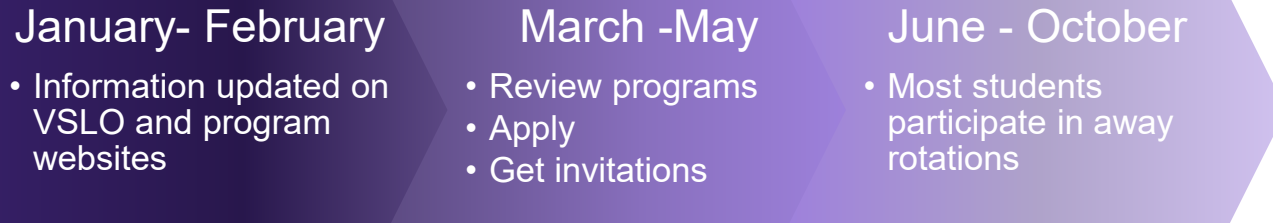


# Practical things to consider:

- Number of rotations
- Number of applications to submit per intended rotation
  - Depends on dates of rotations and number of spots
- Focus and details of the rotation
- Expected cost and financial support
- Logistics (housing, transportation)

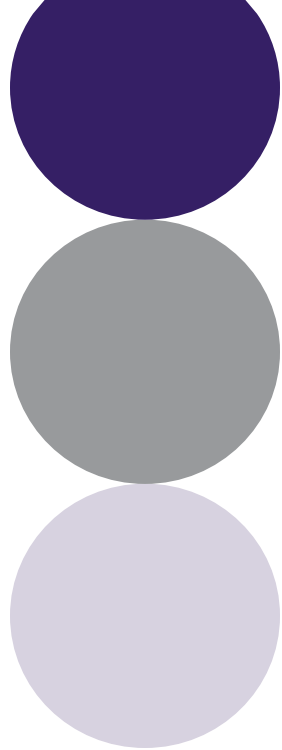
# How to Navigate the Applications

- AAMC Visiting Student Learning Opportunities (VSLO) vs. Program Websites
- There is no standardization:
  - Application and Rotation Dates
  - Application Requirements
  - Notification Timing and Process



# The secret to rocking your away elective...

Sorry, there is none 😞



# Away Elective Tips



**Know Your Goals**



**Understand Program  
Expectations**



**Treat Every Day  
Like an Interview**



**Be Your Best Self**

# And if you don't get accepted for an away

- Remember IT IS NOT THE MATCH!
  - Most students do not match at an away program
- Do great job on your home rotation, get strong letters of recommendation, write a strong application and interview well
- Good luck!



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# Nisha Chadha, MD

Director of Medical Student  
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New York, NY



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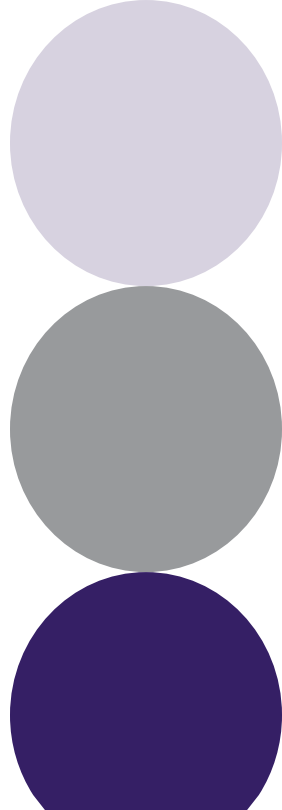
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# Applying in the Era of AI: Applicant and Program Considerations

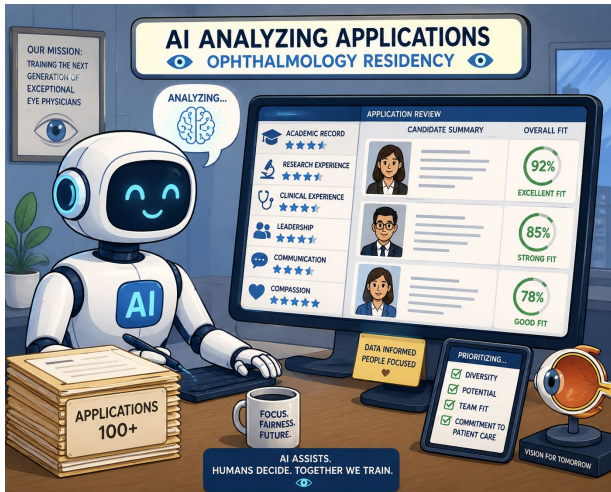
Nisha Chadha, MD  
Associate Professor of Ophthalmology and Medical Education  
Director, Medical Student Education in Ophthalmology  
Director, APEX Program, Office of Curricular Affairs  
The Icahn School of Medicine at Mount Sinai  
The New York Eye and Ear Infirmary of Mount



# Disclosures

- none

# Overview



AI use by Programs in Application Review



AI Use by Residency Applicants



Legal and Ethical Considerations

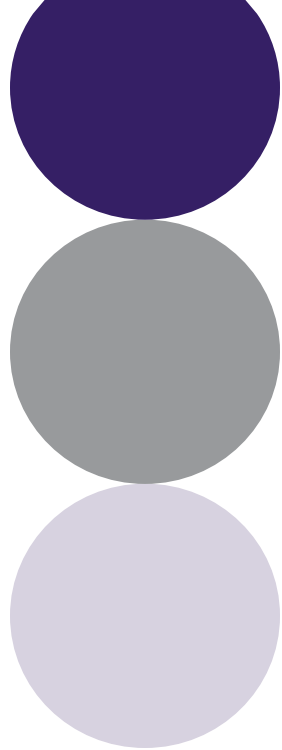


Applicant and Program Considerations



Organizational Policies

# AI Use by Programs



# The Use of Artificial Intelligence in Residency Application Evaluation—A Scoping Review

Maxwell D. Sumner<sup>1</sup>, BS  
T. Clark Howell<sup>2</sup>, MD, MSHS  
Alexandria L. Soto<sup>3</sup>, BS  
Samantha Kaplan<sup>4</sup>, PhD  
Elisabeth T. Tracy<sup>5</sup>, MD

Aimee K. Zaas<sup>6</sup>, MD  
John Migaly, MD  
Allan D. Kirk<sup>7</sup>, MD, PhD  
Kevin Shah<sup>8</sup>, MD

## ABSTRACT

**“The articles that did report on model performance, had only moderate average precision”**

**Methods** A scoping review was performed according to PRISMA-ScR (Preferred Reporting Items for Systematic Reviews and Meta-Analyses extension for Scoping Reviews) guidelines where a systematic search strategy identified relevant literature within the databases MEDLINE, Embase, and Scopus from inception to September 29, 2023. No limitations on language, article type, or geographic affiliation were placed on the search parameters. Data were extracted from relevant documents, and study findings were synthesized by the authors.

**Results** Twelve studies met inclusion criteria. Most used AI to predict interviews or rank lists (9 of 12, 75%), while the remaining 3 articles (25%) evaluated letters of recommendation with natural language processing. Six articles (50%) compared the model's output to a human-created rank list. Most of the reviewed articles (9 of 12, 75%) mention bias; however, few explicitly modeled biases by accounting for or examining the effect of demographic factors (3 of 12, 25%).

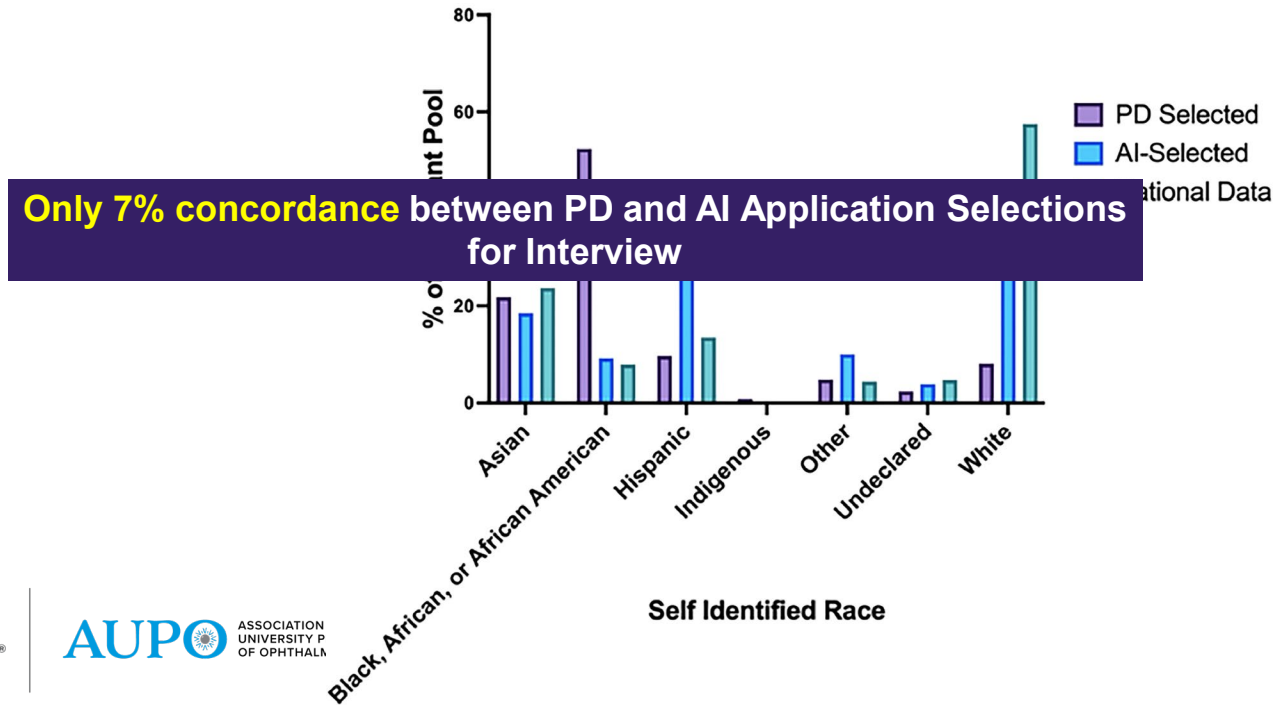
**Conclusions** Few studies have been published on incorporating AI into residency/fellowship selection, and bias remains largely unexplored. There is a need for standardization in bias and fairness reporting within this area of research.

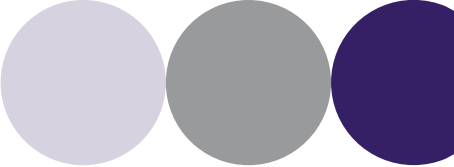
# Artificial Intelligence Compared to Manual Selection of Prospective Surgical Residents



Monalisa Hassan MD <sup>†</sup> <sup>‡</sup>, Marco Ayad MD <sup>†</sup>, Christine Nembhard MD <sup>†</sup>,  
Andrea Hayes-Dixon MD <sup>†</sup>, Anna Lin MD <sup>†</sup>, Mahin Janjua MBBS <sup>†</sup>, Jan Franko MD, PhD,  
MMM <sup>‡</sup>, May Tee MD, MPH, FACS <sup>†</sup> <sup>‡</sup> <sup>✉</sup>

Comparing PD and AI-Selected Applicants





**Cortex** Powered by Thalamus Applications Assignments Evaluations Selections Settings

Thalamus Medical Center, ID 20235 Program Director DS

Search by name, school, hometown, etc.

63 Applicants Found

**Cortex, Henry** (He/Him) • AAMC ID 2131344243 • Cortex Score 4.765 [Edit](#)

[Preference Signal](#) [Division Preference](#) [Urban Preference](#)

**Overall Status** [+ Interview](#) [Waitlist](#) [On-Hold](#) [Reject](#) **My Recommendation** [+ Interview](#)

MEDICAL SCHOOL	ATTRIBUTE	DETAIL	CORE CLERKSHIP	GRADE	DIST
Thalamus University School of Medicine	HOMETOWN(S)	Boston, MA	INTERNAL MED	H	85
TRACK(S) APPLIED BY APPLICANT	KEYWORD COUNT	2	NEUROLOGY	HP	62
Anesthesiology Stage 1414040CD (Categorical); Advanced	ALPHA OMEGA ALPHA	Yes	OBGYN	HP	66
<a href="#">Timeline</a>	SIGMA SIGMA PHI	No	FAMILY MED	HP	68
	GOLD HUMANISM	Yes	PEDIATRICS	HP	25
	PUBLICATIONS	4	PSYCHIATRY	P	67
	1ST AUTHOR	1	SURGERY	HP	68

**Pediatrics**  
Thalamus University School of Medicine

Grade	Count
P	48
HP	35 (Applicant)
H	17

\*Data generated from applicants who applied through ERAS  
\*\*Percentile and grade distribution is based on AI-extracted grades for comparative context and intended for reference purposes (View Methodology). Reviewers are encouraged to verify all information against the applicant's official PDF transcript.



# Transcript Processing Errors



Thalamus Products Solutions for Training Resources Company Log In Book a Demo

## What Happened

Because medical schools use more than 40 different grading scales and vastly different grade distributions, Cortex uses optical character recognition (OCR) and automated document processing to read and standardize grades from official medical school transcripts. This feature has been a key feature of Cortex since 2020, and accuracy this season, remains consistent with prior years. **Overall, Cortex is now >99.3% accurate.**

Importantly:

**Considering ERAS reports 50,000 applications/year, an 0.7% error rate could impact ~350 applications**

- When inaccuracies were reported or identified through either internal verification or via user outreach, they were immediately corrected.

To date, Thalamus has received just **10 reported inaccuracies out of over 4,000 customer inquiries this season**. In every case, the reviewing faculty correctly identified the accurate grade when reviewing the official transcript and MSPE.

Additionally, because the tool being was offered complimentary to the community through the AAMC-Thalamus collaboration for the first time this year, many programs did not participate in the full onboarding process that has historically accompanied the purchase of Cortex. This meant that some programs were less familiar with the tool and, for example, thought the percentiles were supposed to match the MSPE (they were not designed to, as per the [methodology](#)).

As issues were raised by users, they were rapidly investigated and addressed. Unfortunately, a few well-intentioned communications from community members were shared by users in public forums without the full understanding of the impact or the underlying situation.

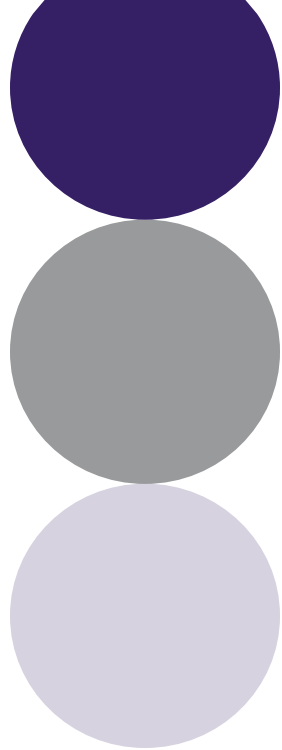


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- <https://www.thalamusgme.com/blogs/a-community-update-on-cortex-transcript-normalization-accuracy-transparency-and-our-continued-commitment-to-applicants>
- <https://www.aamc.org/data-reports/publication/eras-statistics>

# AI Use by Applicants



# AI and Applicants: “White Fonting”

Tech at Work

## Job applicants are battling AI résumé filters with a hack

‘White fonting’ is used to bypass AI and other tech filters. But is it cheating?

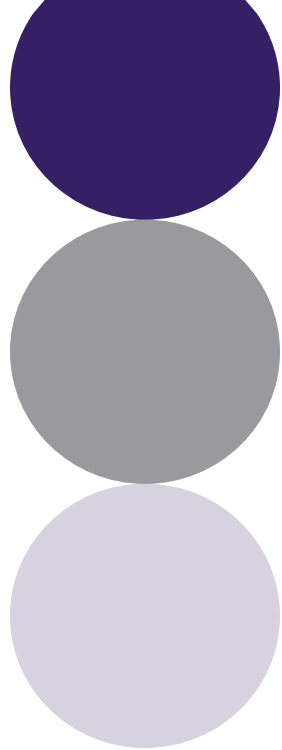
Updated July 24, 2023

The concept is simple. Copy a list of relevant keywords or the job description itself, paste it in a résumé and change the font color to white. The hope is that AI bots or digital filters in applicant tracking systems read the white text and surface the résumé for human review. Because keywords are in white, the resume will look normal to human reviewers.

# AI and Applicants: Ambient AI



# Legal and Ethical Considerations



# Legal Considerations

Opinion

## VIEWPOINT

### AI IN MEDICINE

## AI in Residency Application Reviews Emerging Legal Risks

Preetham Bachina, MSE; Diane E. Hoffmann, JD, MSc; Katherine E. Goodman, JD, PhD

The residency application process is the primary pathway for medical graduates to enter US graduate medical education (GME), yet it

program directors.<sup>5</sup> Moreover, transcript processing errors have surfaced during this application cycle, with Thalamus recently disclos-

**“At least one court has ruled that medical residency selection is an employment practice potentially triggering protection under...statutes prohibiting...discrimination in employment**

resents one of the most widespread uses of AI in US hiring or admissions to date, raising novel legal and important fairness concerns.

### AI in Medical Residency Application Reviews

Each fall, fourth-year medical students and international medical graduates apply to GME programs for residency positions. Most clinical specialties use the Association of American Medical Colleges (AAMC) Electronic Residency Application Service (ERAS), a centralized platform for application submission and review. Programs review applications and interview selected candidates through the winter; in spring, a centralized matching system pairs applicants and programs via ranked preference lists.

In recent years, several GME programs have evaluated in-house AI tools for screening residency applications.<sup>1</sup> However, it took the AAMC's recent partnership with the company Thalamus for AI review tools to become widely available, by directly integrating them

proportionately disadvantage a group based on a legally protected trait (race, color, national origin, sex, age, or disability), even though such policies do not explicitly consider the protected trait and there may have been no intent to discriminate. Whether residency applicants qualify as students or prospective employees (or both) before residency begins is an open legal question. However, at least one court (the 9th Circuit, in *Spatz v Regents of the University of California* [2025]) has ruled that medical residency selection is an employment practice, potentially triggering protection under multiple federal and state statutes prohibiting disparate impact discrimination in employment (eg, Title VII and the Age Discrimination in Employment Act). Lawsuits in other employment contexts are challenging AI-assisted applicant screening on disparate impact grounds, most notably *Mobley v Workday Inc*, a class-action lawsuit alleging that Workday's AI-powered screening tools disproportionately reject older and disabled applicants and those of certain races.

# Legal Considerations

Opinion

## VIEWPOINT

### AI IN MEDICINE

## AI in Residency Application Reviews Emerging Legal Risks

Preetham Bachina, MSE; Diane E. Hoffmann, JD, MSc; Katherine E. Goodman, JD, PhD

The residency application process is the primary pathway for medical program directors.<sup>5</sup> Moreover, transcript processing errors have sur-

**“Transcript processing errors have surfaced...creat[ing] novel legal risks”**

outsource the initial review of certain application materials to proprietary AI software. This rapid uptake of AI by GME programs represents one of the most widespread uses of AI in US hiring or admissions to date, raising novel legal and important fairness concerns.

disparate impact discrimination in violation of antidiscrimination laws. Disparate impact discrimination occurs when policies disproportionately disadvantage a group based on a legally protected trait (race, color, national origin, sex, age, or disability), even though such

**“AI-generated outputs should be viewable by applicants. Who have the most to lose from AI errors and biases”**

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## "AI-based video evaluations are already used"

line reviews. With recent commercial partnerships, this exploration has quickly shifted into real-world adoption: many programs now outsource the initial review of certain application materials to proprietary AI software. This rapid uptake of AI by GME programs re-

duce the number of applications reviewed by program directors.

A primary legal risk for GME programs using current AI tools is disparate impact discrimination in violation of antidiscrimination laws. Disparate impact discrimination occurs when policies discrim-

## Discrimination complaint → "AI allegedly labeled a deaf candidate as a poor communicator"

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# Ethical Considerations

## Ethical implications of artificial intelligence in residency applicant screening



**Dear Dr Dermatoethicist: The Association of American Medical Colleges is integrating artificial intelligence (AI) with Thalamus Cortex into residency applicant screening across all specialties for the 2025-2026 cycle.<sup>1</sup> What are the ethical implications of AI being used to screen dermatology applicants?  
—Concerned Resident**

**Dear Concerned Resident:** While AI may enhance application review efficiency and standardization, its role may mirror inefficiencies identified when applied to health insurance, where AI-generated denials have necessitated AI-assisted

is marketed as a tool to upload applications in bulk, using natural language processing and optical character recognition to help extract data and generate summaries. However, if these summaries fail to capture key traits and characteristics, human reviewers will still need to analyze applications and refine ranking decisions, diminishing potential time-saving benefits. Moreover, efforts to make these algorithms more “equitable” may paradoxically introduce new biases or reinforce prior ones. While Cortex might be designed to highlight unique qualities, it is likely trained on previous applicant data. Thus, attempts to identify candidates with diverse backgrounds or unique stories may default to historical evaluation patterns,<sup>2</sup> reinforcing the creation of idealized applicant profiles.

Beyond operational concerns, a reassessment of what residency selection entails is needed. Programs use more than quantitative measures; qualities like dedication, leadership, and interpersonal skills are

AI has **potential for beneficence** → highlighting overlooked applicant strengths, could be trained to promote diversity

The epidemic of residency application rejections and the addition of supplemental applications and preference signaling add disproportionate financial and emotional burdens on applicants and faculty.<sup>3</sup> Candidates invest considerable resources preparing applications and may already use AI services for clarity

While AI may reduce faculty workload, its true impact must be assessed. Its implementation must be scrutinized and quantified. As application numbers increase, a more effective approach is to streamline applications and highlight the most meaningful criteria to reduce the burden on all parties.

Must be **cautious not to perpetuate biases** (ie if AI trained on prior application selection data)

and holistic elements. Implicit biases, institutional hubris, and subjective preferences plague applicant selection. In principle, AI has the potential to streamline the admission process by summarizing applicants and applying a framework to promote fairness (justice). AI assistance may highlight unique qualities of applicants that might otherwise be overlooked due to time constraints, such as long-term community involvement or interdisciplinary experiences (beneficence). Accordingly, algorithms could be tailored to promote diversity, equity, and inclusion, or not, through modification of evaluation criteria (beneficence).<sup>3</sup>

However, AI's capacity to meaningfully differentiate candidates remains limited and Cortex, the primary AI-driven service in Thalamus, is no exception. Cortex

*From the Geisel School of Medicine, Dartmouth College, Hanover, New Hampshire<sup>1</sup>; New York Medical College School of Medicine, Valhalla, New York<sup>2</sup>; Department of Dermatology, University of Connecticut, Farmington, Connecticut<sup>3</sup>; and Department of Dermatology, University of Florida, Gainesville, Florida.<sup>4</sup>*

*Funding sources: None.*

*Patient consent: Not applicable.*

*IRB approval status: Not applicable.*

*Key words: AI; algorithmic screenings; artificial intelligence; bias; ethics; holistic applicant review; residency applications; selection criteria; standardization.*

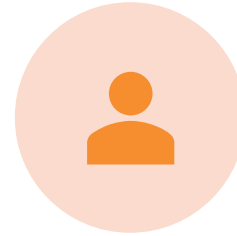
# Program Considerations



TRANSPARENCY  
REGARDING AI  
USE



PROGRAM  
OVERSIGHT



APPLICANT  
VERIFICATION  
OF OUTPUT

# Applicant Considerations



Transparency →  
not all “AI” use is equal

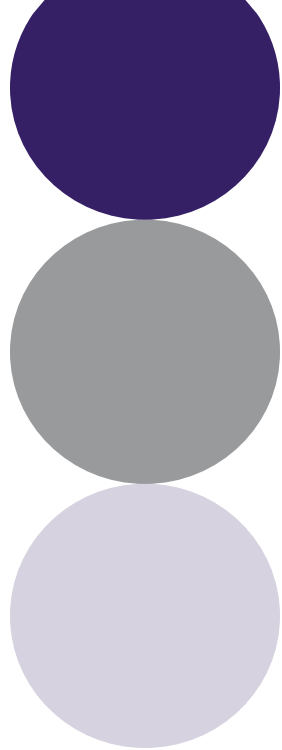
AI for:

- editing vs.
- essay generation vs.
- interview assistance, etc.



Importance of representing oneself  
authentically and with integrity

# AI Policies



# Principles for Responsible AI in Medical School and Residency Selection



As institutions consider what is best for their process, the AAMC recommends six key principles to guide the design and use of AI-based selection systems:

1. [Balance Prediction and Understanding](#). Ensure that AI tools deliver insights that improve prediction and efficiency while being comprehensible and usable by the institution, aligning with its objectives and needs.
2. [Protect against Algorithmic Bias](#). Rigorously assess and manage biases arising from historical data to ensure fair AI processes and outcomes.
3. [Provide Notice and Explanation](#). Maintain transparency by informing applicants how AI is used and how it affects the assessment of their application.
4. [Protect Data Privacy](#). Safeguard information with the utmost care, maintaining confidentiality at every step.
5. [Incorporate Human Judgment](#). It is crucial to strike the appropriate balance between technology and the irreplaceable value of human judgment and ethical standards.
6. [Monitor and Evaluate](#). Assess the outputs and outcomes of the AI system to ensure they remain fair, accurate, and aligned with institutional goals.

# SF Match



## **Confirmation for Disclosure Regarding AI Use in the Writing Process**

I confirm that I did not utilize generative AI or AI-assisted technologies in preparing my application.

Note: There is no requirement that the use of basic tools used for grammar, spelling, references, etc. need to be disclosed. No AI statement at the end of my personal statement is required.



Thank you!



# Alice Yang Zhang, MD

Residency Program Director

University of North Carolina at  
Chapel Hill

Chapel Hill, NC



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# Non-traditional Pathways

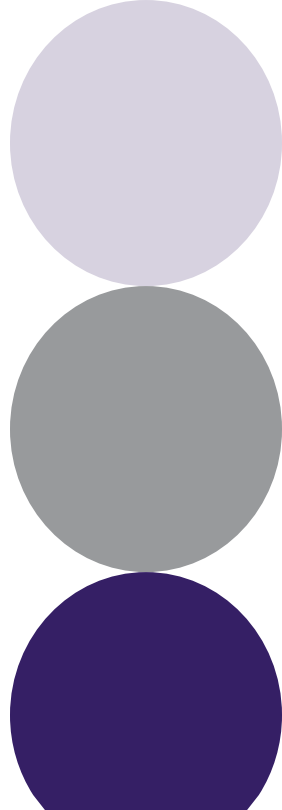
Alice Y. Zhang, MD

Associate Professor

Residency Program Director

Research Fellowship Program Director

University of North Carolina at Chapel Hill



# Non-traditional Pathways

- Reapplicants
- Students from osteopathic medical schools (DO)
- Students from allopathic medical schools with no home program
- International Medical Graduates (IMG)



# General advice



Identify academic mentors who are invested in your success and who can help advocate for you



Ophthalmology is a small world where connections matter

Ophthalmology regional and national conferences  
Away rotations and observerships  
Research projects  
Mentorship programs



Have a back-up plan

Dual application  
SOAP  
Reapplication (research year or internship)

# Advice for Reapplicants

- Overall match rate 51%
- Examine where weaknesses were with first time application
  1. Few interviews? → Improve paper application
  2. Many interviews? → Improve interview skills
- Strategy: focus on factors that you can change and improve
  - Research productivity/publications
  - Personal statement
  - Letters of recommendation



# Advice for Reapplicants

- Factors for successful match:
  - Presence of home program
  - USMLE Step 1 and 2 performance
  - Letter of recommendation from academic ophthalmologists
  - AOA status
  - Choosing research year

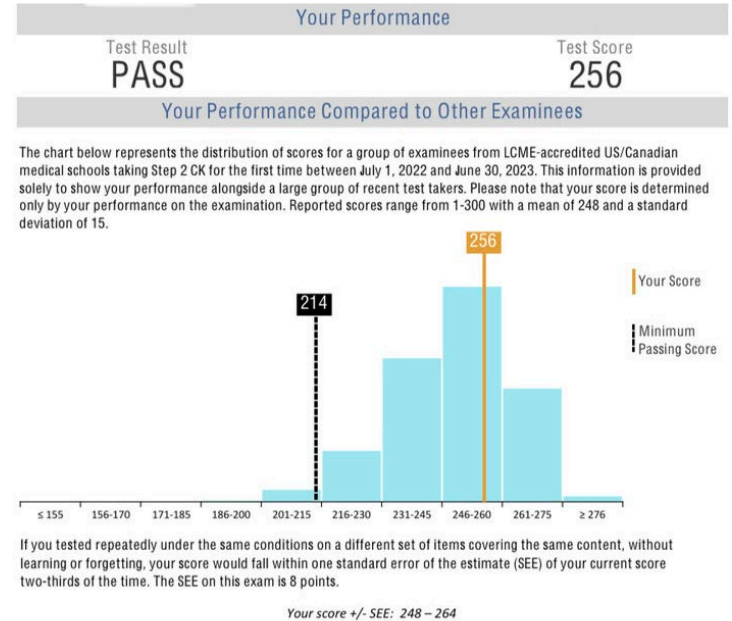
- Factors that were not significant:
  - Number of publications
  - Advanced degrees



Ohri et al, AUPO 2025

# MD Applicants with No Home Program

- 2025 cycle:
  - 57% (60/106) match rate
- Factors associated with successful match:
  - Step 2 score: mean of matched 256 vs unmatched 246
  - Clinical grades (top quartile of class)
  - AOA



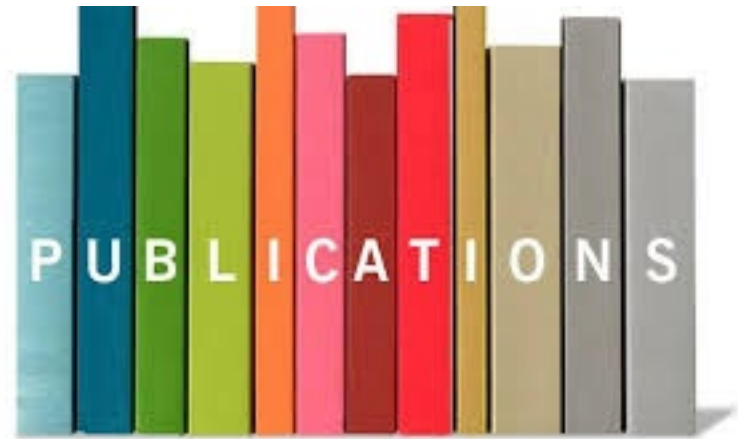
# DO Applicants

- 2025 cycle:
  - DO seniors 20/77 26% matched
  - DO grads 4/20 20% matched (registered for match)
- Factors associated with successful match:
  - Step 2: mean of matched 256 vs unmatched 246
  - COMLEX score mean 639 vs 563
  - Clinical grades: top quartile of class
  - Number of away rotations: 5 vs 3



# IMG Applicants

- 2025 cycle:
  - IMG seniors 0/8 (0%) matched
  - IMG grads 11/114 (10%) matched (registered for match)
- Factors associated with successful match
  - Step 2 score: 256 vs 243
  - Number of publications: 19 vs 10



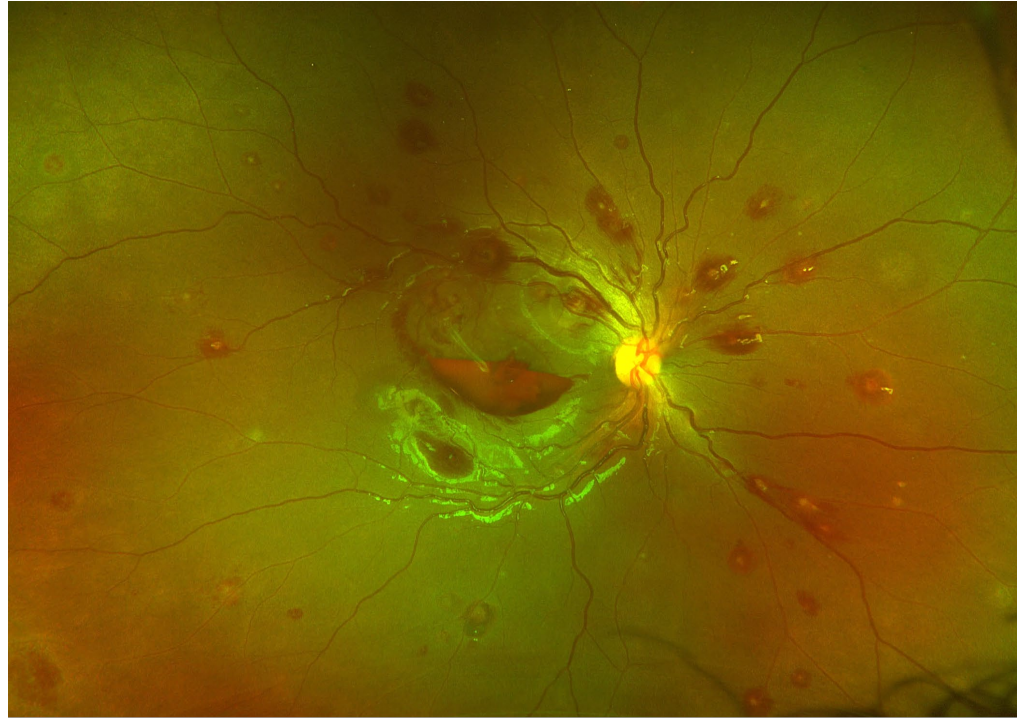
# Advice for Non-traditional Applicants



- Build a strong application
- Strong step scores and clinical grades are important
- Away rotations valuable for building connections, obtaining LORs
  - A strong performance can help match at that institution
- Many medical schools may be primary care focused, so seek out mentorship from ophthalmologists
- Consider a research rotation or year if no local opportunities to engage in scholarly activities. AUPO has repository of pre-residency opportunities.

Good luck!

@alicezhangmd





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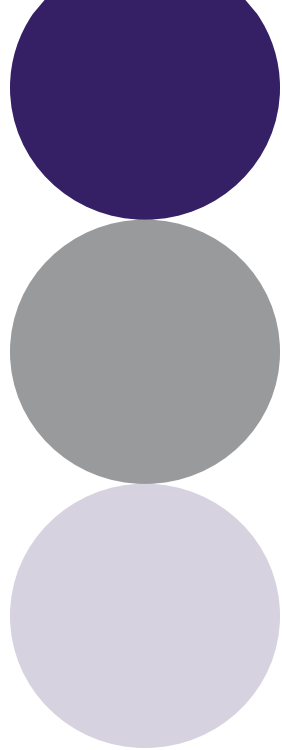


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# Advice for the 2026–27 Ophthalmology Residency Match Season

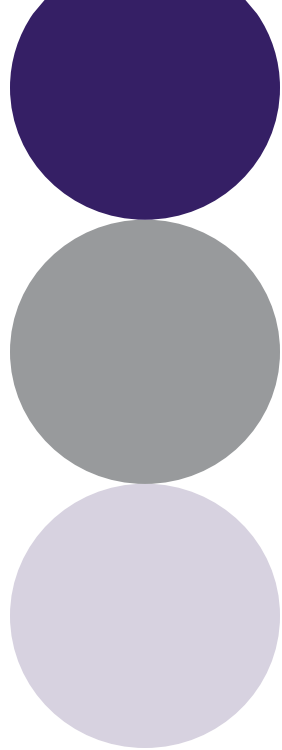
Presenter Group 3 Question & Answer

Webinar Handout Link in Chat



# Advice for the 2026–27 Ophthalmology Residency Match Season

## Q & A





Thank you for attending!

Webinar Handout & Recording Will Be Posted

