

# OPHTHALMIC HOSPITALIST INTEREST GROUP

## NEWSLETTER

Donna Kim, MD | Maggie Hymowitz, MD

### Announcements

#### Happy Holidays

OHIG wishes you a wonderful holiday season and happy new year with family and colleagues!

#### Join the Community!

Have a questions about inpatient/ER consults? Share on the [AAO/OHIG community](#)! Log in with your AAO username.

#### OHIG Topic Wishlist

Have a topic or case you would like to feature in an OHIG newsletter? We welcome your ideas and expertise. Email [ohig@ohig.org](mailto:ohig@ohig.org).

#### Welcome New Members!

Thanks for joining OHIG! Please verify your information on the [OHIG website](#).



### Articles

[\*Intravitreal Anti-VEGF Injection for ROP: A Sytematic Review and Meta Analysis, Frontiers, 2022\*](#)

Are you doing injections for ROP in the hospital? Here is a review and meta-analysis for anti-VEGF monotherapy for ROP.

[\*Anti-VEGF for NVG, Cochrane Review, 2023\*](#)

Are you doing injections for NVG in the ED or hospital? Here is a well regarded Cochrane review of anti-VEGF for NVG.


[\*Delayed Anti-VEGF Injections during the COVID-19 Pandemic and Changes in Visual Acuity in Patients with Three Commone Retinal Diseases, Survey of Ophthalmology, 2022\*](#)

Ever wonder if delayed injections during COVID had an effect on retinal disease outcomes? Are there similar concern about delayed injections for hospitalized patients who are admitted for weeks/months? Read this review to help decide that for yourself.

## PEARLS



### EPIC Hospital Ophthalmology Injection Order Sets

 Order and Order Set Search

CEI INPATIENT

 Order Sets & Panels

Exploring ways to expedite your intravitreal injections in the hospital?

Check our **page 4** for an example of an EPIC injection order set which streamlines this process. Also has the benefit of pharmacy pre-approval for rapid dispensing.

### Ophthalmic Hospitalist Editorial



A little holiday reading on consults to enjoy: **"Perspectives from an Ophthalmic Hospitalist - Changing How we View Hospital-Based Consults"**, written by OHIG member Donna Kim.

[Click here](#)

## CONSULT ROUNDS



*Image Source*

You receive a page from the cardiac ICU about a 45 year old female who is admitted for multiple systemic conditions including heart failure. She remains on the heart transplant list and cannot leave the hospital without surgery.

The patient is alert and oriented. She mentions recent right eye blurry over the past week. She has a known diagnosis of wet AMD for which she receives monthly anti-VEGF injections with an outside retina provider. This treatment regimen has been effective for maintaining vision in her good remaining eye. The patient is concerned about her long hospital stay, potentially weeks or months which will delay her eye injections. She is very anxious about losing vision in her good remaining eye. The patient is not medically stable enough to transport to the eye clinic for OCT/FA imaging and would be limited to bedside procedures only.

The ophthalmology consult service does not routinely provide inpatient anti-VEGF injections for AMD as this is typically deferred to the outpatient setting. However you wonder if you should consider this case as the patient is functionally monocular and at risk of vision loss in her good remaining eye long-term.

What would you do?

Options:

- A) Do not offer injection since you do not have an OCT in the hospital
- B) Do not offer injection since infection risk is higher in the hospital
- C) Do not offer injection since this is not in line with the existing consult policy
- D) Offer a bedside injection even without OCT as the patient is at risk of vision loss
- E) Offer bedside injection once for this inpatient
- F) Offer ongoing monthly bedside injections for as long as the patient is admitted to the hospital
- G) Other?

*Case Comments:* Anti-VEGF injections are a highly effective and mainstay treatment for many ophthalmic conditions including AMD, PDR, retinal vein occlusions, ROP, NVG, etc. Management paradigms are often heavily reliant on diagnostic OCT/FA imaging which is not routinely available in the inpatient setting. This case weighs benefit vs harm, including the potential risks of delayed treatment. While there is no “right” answer for this case it does bring up the important question of how we wish to manage hospital patients with limited diagnostic equipment and how this compares with standards of care in the outpatient setting. Should they be the same or different? Consult policies can help allow for consistent clinical practices although case by case consideration is also important.

## Inpatient Anti-VEGF Use Survey

**Question:** Which ophthalmic conditions receive bedside anti-VEGF injection in your hospital? Select all that apply:

- A) Neovascular AMD
- B) Proliferative Diabetic Retinopathy
- C) Retinal Vein Occlusion
- D) Neovascular Glaucoma
- E) ROP
- F) We do not provide bedside adult inpatient anti-VEGF injections
- G) We do not provide bedside pediatric ROP anti-VEGF injections
- H) Other

Please share on the AAO/OHIG Community: <https://aao.mobilize.io/main/groups/47315/lounge>

EPIC Hospital Ophthalmology Injection Order Set  
*Oregon Health and Science University (OHSU)*  
*Casey Eye Institute*



Production - Hyperspace - Oregon Health & Science University - IP OPHTHAMOLOGY

Epice

Schedule

Patient Lists

Procedure Time Report

Status Board

Change Login Department

Order and Order Set Search

CEI INPATIENT

Order Sets & Panels

	ID	Name
	304007876	CEI: INPATIENT OPHTHALMOLOGY (PO-7876)

Order Sets

Order Sets

Order Sets

Orders

CEI: INPATIENT OPHTHALMOLOGY (PO-7876)

CEI: INPATIENT OPHTHALMOLOGY

TOPICAL MEDICATIONS

Antibiotics

Antibiotic / Steroid Combinations

Antifungal

Steroid

Cycloplegics

INJECTED MEDICATIONS

Intravitreal Injections - Antibacterial

Intravitreal Injections - Antifungal

Intravitreal Injections - Antiviral

Intravitreal Injections - VEGF Inhibitor

Subconjunctival Injections



## (Expanded drop down menus)

### ▼ INJECTED MEDICATIONS

#### ▼ Intravitreal Injections - Antibacterial

- ☐ amikacin intravitreal injection
- ☐ ceftAZidime intravitreal injection
- ☐ vancomycin intravitreal injection

#### ▼ Intravitreal Injections - Antifungal

- ☐ amphotericin B intravitreal injection
- ☐ voriconazole intravitreal injection

#### ▼ Intravitreal Injections - Antiviral

- ☐ foscarnet intravitreal injection
- ☐ ganciclovir intravitreal injection

#### ▼ Intravitreal Injections - VEGF Inhibitor

- ☐ aflibercept intravitreal injection
- ☐ bevacizumab intravitreal injection

#### ▼ Subconjunctival Injections

- ☐ lidocaine 1% VIAL - MD to bring syringe/needle to bedside
- ☐ triamcinolone 40 mg/mL VIAL - MD to bring syringe/needle to bedside
- ☐ vancomycin subconjunctival injection
- ☐ voriconazole subconjunctival injection