





Improving team based care for patients with non-infectious inflammatory eye disease

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Aim Statement

We aim to improve team based care between the ophthalmology and rheumatology clinics at Grady Memorial Hospital as measured by a decrease in the "time to scheduled follow-up" with rheumatology or until "primary need" is met in patients with non-infectious uveitis seen in the ophthalmology clinic from July 1, 2016 through March 2, 2017. Secondary outcomes include an analysis of the types of needs among patients, number of prednisone eye drops, dose of oral prednisone, and percentage of patients on steroid sparing agent.

Background

Current State Analysis

- Non-infectious inflammatory eye diseases affect working age adults and carry a significant risk of morbidity due to resultant vision loss. Patients with non-infectious uveitis have significantly increased healthcare resource utilization and costs compared to controls.¹
- Care requires interdisciplinary teamwork and collaboration:



• Need for communication between disciplines in a timely fashion is important to preserve sight and reduce comorbidities, such as diabetes, glaucoma, and cataracts, from chronic steroid use.

People

Lack of staff: no care coordinator rheumatology or pharmacist for medication titration

Rotating residents in eye clinic

Patients may "no show" or cancel referrals

> Patient labs returned to incorrect provider

Need to place a referral order

Communication difficulties between specialty providers

Procedures

Policies

Lengthy wait times for

No urgent referral pathway

Rheumatology & uveitis clinics not on the same day

No uveitis schedule to allow for planning

No standardized order set for uveitis work up

No simple way to send patients reminders

Technology / Environment

Increased risk of morbidity for uveitis patients

Baseline Conditions

Tests of Change

Measures

Characteristic	N = 34
Cataract N (%)	21/34 (61.8%)
Glaucoma N (%)	17/34 (50%)
Average drop right eye/day	3.2
Average drop left eye/day	3.5
Average PO prednisone/day (mg)	11.8
Average age (years)	53.4
Insurance status	
Medicare N (%)	10/34 (29.4%)
Medicaid N (%)	4/34 (11.7%)
Private insurance	6/34 (17.6%)
Uninsured/Grady card	14/34 (41.1%)

Test of change	Lesson learned
Preview uveitis appointments and develop plan (If/Then)	 Review labs prior to referrals (e.g. hepatitis B)
Standardized ophthalmology attending note (SBAR format)	 Highlighted patient status and diagnostic/treatment plan. Improved team communication.
Single weekly urgent appointment for Rheumatology made available to uveitis patients.	 Low number of "high risk" patients need urgent appointments.
EPIC messages used to communicate (SBAR) between the team.	 Better delineation of the plan and further needs clarified.

- Average length of time until next rheumatology appointment
- Needs assessment as determined by attending physician for each patient encounter in eye clinic including "primary" need and secondary needs.
- Average number of days until primary need for a patient encounter met calculated for each week
- Change in clinical metrics, including dose of steroids and use of steroid-sparing agent for 34 patients seen prior to and during our invention

Results









- Patients with non-infectious uveitis included in our study have complex care needs and benefit from team-based care from multiple disciplines.
 - Sustainability: Focus on implementing pathways to standardize patient referrals for 'high risk' populations; this could be expanded to other subspecialties as well.
 - Next steps:

Reflection &

Follow-up

- Develop smart phrases and order sets in Epic
- Implement text messaging reminder system to help improve patient compliance with visits
- Possible redesign of patient scheduling process
- Evaluate financial case for clinical care coordinator and/or pharmacist to handle medication and lab needs on a real time basis.