

Coventry and Warwickshire VTS, CRN West Midlands and Warwick Medical School
‘Primary Care Research and Audit in Coventry and Warwickshire’
 11th July 2019

PRESENTER’S DETAILS	
Title Dr	First Name Asiya Ali
	Surname Ahmad
Place of work/study Avonside Health Centre, Warwick	
PRESENTATION DETAILS (total max 250 words - not including title)	
Co-Authors Dr Claire Humpherson	Title of Study Retinal Screening in Hydroxychloroquine use.
What’s the problem you are tackling? (Background) Hydroxychloroquine is used to treat rheumatoid arthritis, systemic lupus erythematosus, some skin conditions (especially photosensitive ones) and others that involve inflammation. The patients who take hydroxychloroquine for more than five years and/or in high doses are at increased risk of damage to their retina, known as retinal toxicity or retinopathy. The incidence of retinopathy is 7.5% in those taking for more than 5 years and it increases up to 20-50% for those taking the drug for more than 20 years ¹ . Keeping the incidence in view, there is NHS offered screening programme for those taking the medication for at least five years. The screening is not a tool to prevent retinopathy but to detect the earliest definitive signs of it. The aim of the audit to see the practice’s compliance with the recommended screening programme for identification of possible or definitive Hydroxychloroquine induced retinopathy in the practice population	

How did/will you do it? (Method)

It will be retrospective collection of the data for the audit purposes.

- Sample Population:
 - The patients will be identified from the practice data base.
- Data Collection:
 - The data will be collected using the medical records from the practice and it will be recorded in purpose designed Excel Spread sheet.
- Inclusion Criteria:
 - Patients who have been on the medication Hydroxychloroquine for at least 5 years
 - Who have no retinopathy or Possible retinopathy identified on previous screening
- Exclusion Criteria:
 - Patients with definitive retinopathy
- The Process will be assessed once the data collected and analysed.
- Presentation of the Data and Results:
- The results will be shared with all the practice members using a power point presentation at the clinical meeting.

What did you find? (Results)

- Sample size= 12 patients
- Mean age of sample population = 62.08 years (Range 43-92)
- Males 2 (16.7%)
- Females 10 (83.3%)
- Average duration of treatment= 7 years (Range 1-13)
- 2 patients referred for screening from Practice & 2 patients from Hospital
- 4 patients (33%) had retinal screening

Why does this matter? (Conclusion)

- All the patients due for screening should be referred from GP Practice
- In case of non-attendance, reasons should be sought and recorded
- A standard letter will be designed for referral to the Eye department at Warwick Hospital
- Referrer will be expected to chase the outcome of referral
- Alert to be setup on the EMIS to highlight when patients are due for annual screening
- Present the findings to all members of the team and update with changes
- Once changes implemented , Re-Audit in 4 months