Variables linked to Chronicity of Irvine-Gass syndrome

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1 Introduction

1. Pseudophakic CMO (pCMO) is the most common post-operative complication of cataract surgery
2. Persistent/Chronic if >3 months duration
3. Aim to determine factors influencing its chronicity

2 Method

1. Greater Glasgow and Clyde cataract audit sheet accessed to find post phacoIOL CMO: 2021-2023
2. Inclusion: Presence of CMO attributable to cataract surgery
3. Exclusion: Pre-existing CMO of any aetiology prior to cataract surgery

3 Results

Demographics

245 eyes "CMO"

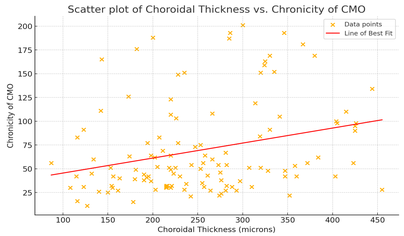
82 eyes excluded
- *42 nAMD*
- *24 DMO*
- *7 RVO*
- *5 Uveitic*
- *4 miscellaneous*

163 eyes Analysed

Choroidal thickness and Chronicity of CMO

Spearman correlation coefficient: 0.290

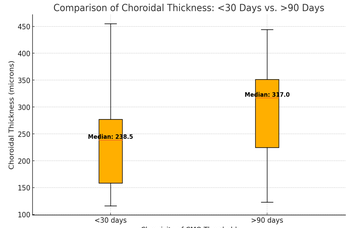
p-value of the correlation: 0.00125



Choroidal thickness and Chronicity of CMO

Comparison of choroidal thickness in early vs late resolution of CMO

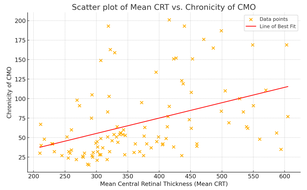
Choroidal thickness >300 microns is likely to be persistent



Initial Central Retinal Thickness and Chronicity of CMO

Spearman correlation coefficient: 0.514

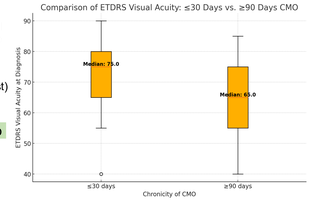
p-value of the correlation: 0.0000000145



Comparison of visual acuity in early vs late resolution of CMO

P-value p<0.0032 (Mann-Whitney U test)

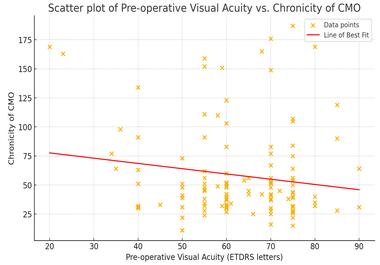
ETDRS VA <65 letters is likely to be persistent



Pre-operative ETDRS Visual Acuity and Chronicity of CMO

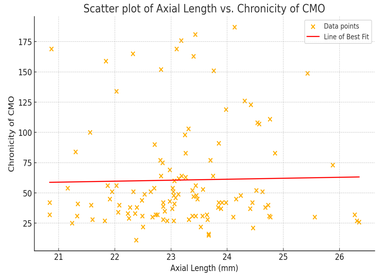
Spearman correlation coefficient: -0.104

p-value of the correlation: 0.248



Spearman correlation coefficient: 0.031

p-value of the correlation: 0.735



4 Conclusion

pCMO More likely to be persistent when:

Choroidal thickness >300 microns
Initial CRT >400 microns
Diagnosis ETDRS VA <65 letters

Council your patient regarding likely resolution of CMO

More aggressive early treatment with periocular/intravitreal steroid