The "COVID-19" era is associated with an elevated frequency of central serous chorioretinopathy cases, a multicenter study

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Πανελλήνιο

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PURPOSE

To investigate whether the **frequency** of central serous chorioretinopathy (**CSCR**) cases, either new-onset or recurrences, is associated with the psychological stress that accompanies the **COVID-19 period**.

MATERIALS and METHODS

In our retrospective **multicenter study**, we included all the patients that presented during the period from **1 January 2017 to 31 December 2023** with either **new-onset or recurrent** episodes of **CSCR** at **5 separate ophthalmology departments** - 3 public (1st and 2nd Departments of Ophthalmology, University of Athens, Greece, and Department of Ophthalmology, University of Crete, Heraklion, Greece) and 2 private clinics ("OMMA" Eye Institute, Athens, Greece and "Ophthalmica" Eye Institute, Thessaloniki, Greece). We did not include the year "**2020**" because the applied "**lockdown**" in Greece resulted in a restricted access to the public clinics.

RESULTS

In total, 730 CSCR cases (<u>435 new-onset and 295 recurrent</u>) were identified during the the corresponding numbers were significantly lower during the pre- (268) aforementioned period. compared to the COVID-19 (462) era (chi-square=93.249, p<0.001).





RESULTS

The corresponding numbers were significantly lower during the pre- (268) compared to the COVID-19 (462) era (chi-square=93.249, p<0.001). We also found a trend for an elevated frequency of CSCR cases along the years (rho = 0.978, p=0.001). A similar trend was also detected regarding the new-onset (rho = 0.990, p<0.001) and the recurrent (rho = 0.951, p=0.003) CSCR cases.



CONCLUSIONS

According to our study, the **frequency** of **CSCR** is <u>significantly elevated during the COVID-19 years</u>. A plausible explanation is that the exacerbated stress levels throughout the community the last three years are possibly implicated in the upsurge of CSCR incidence.