

European Society of Ophthalmology



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Project Abstract

Title of Project: Understanding the relationship between ocular and skin rosacea: A closer look

Purpose: Rosacea is a common, chronic inflammatory disease affecting approximately 10% of the population. Ocular rosacea (OR) occurs up to 70% of rosacea patients. In this project, it was aimed to investigate the association of ocular rosacea with skin rosacea clinically and biochemically considering the rosacea skin subtypes.

Methods: Study will be included 90 rosacea patients who have both ocular and skin involvement and 30 healthy volunteers. After a complete ophthalmological examination, tear break-up time (TBUT), Schirmer tests, Meiboscore, ocular surface disease index (OSDI) and rosacea specific quality of life scale (RosaQoL) scores will be recorded. Tear and serum samples will be used to measure oxidative stress levels with a fully automated spectrophotometric method. Besides, conjunctival epithelium and blood samples (PBMC) will be used to measure pro-inflammatory status with RT-PCR analysis.

Results: OR patients will be divided into groups according to their skin types as phymatous, erythematotelangiectatic and papulopustular. Results of the clinical and biochemical analyses will be presented at the end of the project.

Conclusion: It continues to be ignored by both dermatologists and ophthalmologists because the awareness of the frequency and consequences of ocular rosacea is still not sufficiently developed and the extent to which the disease is correlated with skin involvement is not well known. The results of this project will increase this awareness hopefully.