Advances in Therapy

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PEER-REVIEWED SUMMARY SLIDE

Why carry out this study?

- Primary open angle glaucoma (POAG) is a progressive optic neuropathy characterized by impaired aqueous outflow and extensive remodeling in the trabecular meshwork (TM).
- The aim of this study was to characterize and compare the expression patterns of selected proteins belonging to the tissue remodeling, inflammation and growth factor pathways in *ex-vivo* glaucomatous and control TMs using protein-array analysis.
- Protein profiles were evaluated using a chip-based array consisting of 60 literature selected antibodies.

What was learned from the study?

- A different expression of some factors was observed in POAG TMs with respect to controls.
- The analysis of this small TM population highlighted some proteins linked to POAG, some previously reported and others of new detection (interleukin 7 [IL7], macrophage inflammatory proteins [MIPs], and soluble tumor necrosis factor receptor I [sTNFαRI]).

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