

Peptidylarginine deiminase type 2 is over expressed in the glaucomatous optic nerve

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Resumen

Purpose: To determine levels of Peptidyl arginine deiminase 2 (PAD2) and its product protein-bound citrulline in cadaver eyes that suffered from normal tension glaucoma (NTG) compared to primary open angle glaucoma (POAG), and controls. **Methods:** Western analysis, ELISA, and immunohistochemical analysis were performed with human tissues. **Results:** We report over expression of PAD2 and higher levels of its product protein-bound citrulline in the optic nerve of normal tension glaucoma patients (NTG). **Conclusions:** This is the first report demonstrating that like in POAG, NTG also possesses elevated levels of both PAD2 and protein-bound citrulline.

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Artículo

Palabras clave:

Aged. Aged, 80 and over. Citrulline. Enzyme-Linked Immunosorbent Assay. Female. Glaucoma. Humans. Hydrolases. Immunohistochemistry. Male. Middle Aged. Optic Nerve. Tissue Donors.

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