
Internal lens structure changes during simulated accommodation

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Abstract: Since the internal structural changes that occur during the lens accommodation process are not fully understood, in this study we aimed to analyze lens fibre widths during simulated accommodation.

Methods: Porcine eyes (n=11) were dissected and attached to a lens stretcher. 3D image stacks (between 120 µm to 240/270 µm depth) of the anterior and posterior surfaces of five lenses, while immersed in artificial aqueous humour solution, were

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