

Why measure axial length measurement for myopia?

# Achslängenmessung bei Myopie – warum?

## Literatur | Literature

- [1] Wolffsohn JS, Kollbaum PS, Berntsen DA et al. IMI - Clinical Myopia Control Trials and Instrumentation Report. *Investigative ophthalmology & visual science*. 2019;60:M132-M160.
- [2] Cruickshank FE, Logan NS. Optical ‚dampening‘ of the refractive error to axial length ratio: Implications for outcome measures in myopia control studies. *Ophthalmic & physiological optics the journal of the British College of Ophthalmic Opticians (Optometrists)*. 2018;38:290-7.
- [3] Rozema J, Dankert S, Iribarren R, Lanca C, Saw S-M. Axial Growth and Lens Power Loss at Myopia Onset in Singaporean Children. *Investigative ophthalmology & visual science*. 2019;60:3091-9.
- [4] Breslin KMM, O'Donoghue L, Saunders KJ. A prospective study of spherical refractive error and ocular components among Northern Irish schoolchildren (the NICER study). *Investigative ophthalmology & visual science*. 2013;54:4843-50.
- [5] Mutti DO, Hayes JR, Mitchell GL et al. Refractive error, axial length, and relative peripheral refractive error before and after the onset of myopia. *Investigative ophthalmology & visual science*. 2007;48:2510-9.
- [6] Tideman JW, Polling JR, Vingerling JR et al. Axial length growth and the risk of developing myopia in European children. *Acta ophthalmologica*. 2018;96:301-9.
- [7] Mutti DO, Mitchell GL, Sinnott LT et al. Corneal and crystalline lens dimensions before and after myopia onset. *Optometry and vision science official publication of the American Academy of Optometry*. 2012;89:251-62.
- [8] Ip JM, Huynh SC, Kifley A et al. Variation of the contribution from axial length and other ophthalmometric parameters to refraction by age and ethnicity. *Investigative ophthalmology & visual science*. 2007;48:4846-53.
- [9] Bueno-Gimeno I, España-Gregori E, Gene-Sampedro A, Lanzagorta-Aresti A, Piñero-Llorens DP. Relationship among corneal biomechanics, refractive error, and axial length. *Optometry and vision science official publication of the American Academy of Optometry*. 2014;91:507-13.
- [10] Hou W, Norton TT, Hyman L, Gwiazda J. Axial Elongation in Myopic Children and its Association With Myopia Progression in the Correction of Myopia Evaluation Trial. *Eye & contact lens*. 2018;44:248-59.
- [11] Ziemssen F, Lagrèze W, Voykov B. Sekundärerkrankungen bei hoher Myopie. *Der Ophthalmologe Zeitschrift der Deutschen Ophthalmologischen Gesellschaft*. 2017;114:30-43.
- [12] Gifford KL, Richdale K, Kang P et al. IMI - Clinical Management Guidelines Report. *Investigative ophthalmology & visual science*. 2019;60:M184-M203.
- [13] [fmm.com/the-importance-of-measuring-axial-length-when-managing-childhood-myopia/](https://www.fmm.com/the-importance-of-measuring-axial-length-when-managing-childhood-myopia/) am 28.11.2019.