Abstract:

Purpose: To describe the profile of central corneal thickness in pre-LASIK myopia patients at Surabaya Eye Clinic. Methods: Retrospective study of 482 subjects collected from pre-LASIK examination medical record from January 2005 until December 2007 at Surabaya Eye Clinic, Surabaya. The patient identities about age, sex, refractive status, central corneal thickness, intraocular pressure and visual acuity were recorded. The degree of myopia was determined as mild, moderate and high myopia. The correlation between central corneal thickness and degree of myopia was analyzed. Result: The mean central corneal thickness in pre-LASIK myopia patients at Surabaya Eye Clinic was 549.24 Â± 30.82 Âµm with the range of 457 - 644 Âµm. There were significant difference of mean central corneal thickness of mild myopia, moderate myopia and high myopia in men subjects but no significant difference were found in female subjects. Conclusion: The mean central corneal thickness of mild myopia is thinner than moderate and high myopia.