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| **Change in manifest spherical equivalent in myopic eyes** | | | | | | |
| Study | Country | Publication | Eyes (count) | Mean pre-op SE (D) | Mean post-op SE (D) | Reported FU-time (year) |
| Asano-Kato et al. | Japan, Tokyo | 2005 | 21 | -12.8±2.94 | -0.71±0.81 | 2 |
| Benedetti et al. | Italy, Ancona | 2007 | 49 | -13.60± 4.26 | -1.32±1.20 | n.s. |
| Benedetti et al. | Italy, Ancona | 2005 | 68 (group 1)\* | -11.8±2.4 | -0.91±0.77 | 2 |
|  |  |  | 25 (group 2)\* | -18.9±2.0 | -1.20±1.19 | 2 |
| Bohac et al. | Croatia, Zagreb | 2016 | 190 | -13.27 ±5.1 | -0.34 ±0.17 | 3 |
| Bouheraoua et al. | France, Paris | 2015 | 68 | -13±4.10 | −0.75 ± 0.74 | 5 |
| Chebli et al. | France, Lyon | 2018 | 113 | -14.67±5.15 | -0.53±0.80 | final visitα |
| Guell et al. | Spain, Barcelona | 2007 | 95 (group 1)\* | -19.8±3.23 | -0.78±0.88 | 3 |
|  |  |  | 150 (group 2)\* | -11.27±3.11 | -0.95±1.06 | 3 |
| Guell et al. | Spain, Barcelona | 2007 | 89 (group 1)\* | -19.8±3.23 | -0.5±0.89 | 5 |
|  |  |  | 165 (group 2)\* | -11.27±3.11 | -0.64±0.8 | 5 |
| Landesz et al. | Netherlands, Rotterdam | 2000 | 67 | -14.70 ±4.90 | -1.12±2.10 | 2 |
|  |  | 2000 | 67 | -14.70 ±4.90 | -1.05±2.20 | 3 |
| Menezo et al. | Spain, Valencia | 2004 | 137 | -16.17±2.75 | -0.78± 1.21 | 2 |
| Moshirfar et al. | USA, Utah | 2007 | 85 | -12.20±2.79 | -0.50 | 2 |
| Shajari et al. | Germany, Frankfurt am Main | 2016 | 78 | -11.06±4.77 | -0.37±0.48 | 2 |
|  |  |  | 67 | -11.06±4.77 | -0.42±0.57 | 3 |
|  |  |  | 95 | -11.06±4.77 | -0.42±0.47 | 4 |
| Silva et al. | USA, California Stanford | 2008 | 20 | -12.30±2.69 | -0.38±0.78 | 3 |
|  |  |  | 19 | -12.30±2.69 | -0.37±0.69 | 5 |
| Tahzib et al. | Netherlands, Maastricht | 2007 | 89 | -10.36±4.69 | -0.71±0.99 | 6 |
|  |  |  | 89 | -10.36±4.69 | -0.70±1.00 | 10 |
| Titiyal, et al. | India, New Delhi | 2012 | 51 | -14.98 | -0.87 | 4 |
| Yasa et al. | Turkey, Istanbul | 2014 | 62 | -11.64±3.61 | -0.82±0.55 | 2 |
| \*group 1=Artisan Myopia 204; \*group 2= Artisan myopia 206; no= number of eyes; D=diopters; pre-op=preoperative; post-op=postoperative; SE=spherical equivalent; FU-time=follow-up time; n.s=not specified  αnot specified, mean follow-up 5,4 years ( range1-10 years) | | | | | | |

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| **Deviation of manifest refractive spherical equivalent from targeted refraction in myopic eyes** | | | | | | | |
| Study | Publication | Eyes (count) | ≤0,5D (%) | ≤1.0D (%) | FU-period (year) | Target | Notes |
| Asano-Kato et al. | 2005 | 21 | 55 | 55 | 2 | emmetropia | data from graph numbers are estimated |
| Bouheraoua et al. | 2015 | 68 | 38.2 | 69.1 | 3 | intended |  |
| 68 | 36.8 | 70.5 | 5 |  |  |
| Budo et al. | 2000 | 249 | 57.1 | 78.8 | 3 | intended |  |
| Guell et al. | 2008 | 101 (group 1) | 9.9 | 22.8 | n.s. | emmetropia | 60.39% of the eyes ACRS |
| 173 (group 2) | 37.6 | 57.2 | n.s. |  | 19.6% of the eyes ACRS |
| Landesz et al. | 2000 | 67 | 47.8 | 67.2 | n.s. | emmetropia |  |
| Moshirfar et al. | 2007 | 38 | 55 | 84 | 2 | emmetropia |  |
| Qasem et al. | 2010 | 68 | 31 | 65 | 2 | emmetropia | data from graph numbers are estimated, 17.9% of the eyes ACRS |
| 30 | 24 | 53 | 3 |  | data from graph numbers are estimated, 17.9% of the eyes ACRS |
| 16 | 12 | 28 | 4 |  | data from graph numbers are estimated, 17.9% of the eyes ACRS |
| 11 | 20 | 63 | 5 |  | data from graph numbers are estimated, 17.9% of the eyes ACRS |
| Shajari et al. | 2016 | 95 | 72 | 94 | 4 | emmetropia |  |
| Stulting et al. |  | 434 | 85.4 | 97.7 | 3 | emmetropia |  |
| Silva et al. | 2008 | 20 | 75 | 85 | 3 | emmetropia |  |
| 19 | 73.7 | 94.7 | 5 |  |  |
| Tahzib et al. | 2007 | 89 | 50.5 | 65.1 | 6 | intended |  |
| 89 | 43.8 | 68.8 | 10 |  |  |
| Titiyal, et al. | 2012 | 51 | 33.3 | 82.4 | 2 | emmetropia |  |
|  |  | 51 | 31.4 | 74.5 | 3 |  |  |
| 51 | 35.3 | 72.5 | 4 |  |  |
| Yasa et al. | 2014 | 62 | 68 | 90 | 2 | emmetropia |  |
| Yuan et al. | 2011 | 84 | n.r. | 93.2 | n.s. | intended |  |
| D=diopters; FU-period=follow-up period; n.s.=not specified; n.r.= not reported; ACRS=additional corneal refractive surgery; %=percentage; ≤equals or smaller than | | | | | | | |

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| **Deviation of Manifest Refractive Spherical Equivalent from Targeted Refraction in Hyperopic Eyes** | | | | | | | |
| Study | Publication | Eyes (count) | ≤ 0,5D (%) | ≤ 1.0D (%) | FU-period (year) | Target | Notes |
| Guell et al. | 2008 | 41 | 34.8ᵟ | 64.2ᵟ | n.s. | emmetropia | ᵟ41.4% of the eyes ACRS |
| Qasem et al. | 2010 | 6 | 50ᵟ | 100ᵟ | 2 | emmetropia | ᵟ28.6% of eyes ACRS, data from graph numbers are estimated |
|  |  | 2 | 100ᵟ | 100ᵟ | 3 | emmetropia | ᵟ28.6% of eyes ACRS, data from graph numbers are estimated |
| D=diopters; FU-period=follow-up period; n.s.=not specified; ACRS=additional corneal refractive surgery; %=percentage; ≤equals or smaller than | | | | | | | |