Supplemental Table S1. Review of studies comparing cataract outcome in elderly in young subjects.

| [1]Author | Year | Country | N eyes (subjects) | Age study group | Control | Matched Ocular co-morbidly | Matched Systemic co-morbidly |
|---|---|---|---|---|---|---|---|
| Bernth-Petersen[1] | 1983 | Denmark | 55 | >90 | No | No | No |
| Mönestam[2] | 2004 | Sweden | 34 (34) | >90 | <84; 85-90 | No | No |
| Lundström[3] | 2000 | Sweden | 757 | >85 | No | - | - |
| Robbie[4] | 2006 | UK | 54 | >90 | >88 vs. <88 <96 vs. <96 | NM | NM |
| Berler[5] | 2000 | USA | 88 | >88 | <88 | No | No |
| Mehmet[6] | 2009 | Turkey | 30 | >90 | 80-89 | No | No |
| Rosen[7] | 2009 | Israel | 82 | >90 | No | - | - |
| Tseng[8] | 2011 | USA | 554 | >90 | 90-89 | No | No |
| Mutoh[9] | 2012 | Japan | 31 (21) | >90 | <90 | - | No |
| Sparrow[10] | 2012 | UK | 55,567 | >90 | <60 | No | No |
| Michalska-Malecka[11] | 2013 | Poland | 122 | >90 | No | - | - |
| Lai[12] | 2014 | Hong-Kong | 270 | >90 | No | - | - |
| Syam[13] | 2014 | UK | 34 | >96 | No | - | - |
| Lee [14] | 2018 | Korea | 44 | ≥90 | No | - | - |
| Toyama | 2018 | Japan | 138 | >90 | <80 | NM | Yes |
| Theodoropoulou[15] | 2019 | UK | 25,856 (19,166) | >90 | No | - | - |
| Pahor[16] | 2020 | Slovenia | 90 | >90 | <90 | No | No |
| Sella[17] | 2020 | Israel | 147 | ≥85 | 75-84 | Yes* | No |
| *ocular comorbidities were excluded; NM: not mentioned | | | | | | | |
| | | | | | | | |


1. Bernth-Petersen P, Ehlers N. Cataract extraction in the “nineties.” *Acta Ophthalmol (Copenh)*. 1983;61:392-396. doi:10.1111/j.1755-3768.1983.tb01437.x.

2. Mönestam E, Wachmeister L. Impact of cataract surgery on the visual ability of the very old. *Am J Ophthalmol*. 2004;137:145-155. doi:10.1016/s0002-9394(03)00900-0.

3. Lundström M, Stenevi U, Thorburn W. Cataract surgery in the very elderly. *J Cataract Refract Surg*. 2000;26:408-414. doi:10.1016/s0886-3350(99)00418-6.

4. Robbie SJ, Muhtaseb M, Qureshi K, et al. Intraoperative complications of cataract surgery in the very old. *Br J Ophthalmol*. 2006;90:1516-1518. doi:10.1136/bjo.2006.098764.

5. Berler DK. Intraoperative complications during cataract surgery in the very old. *Trans Am Ophthalmol Soc*. 2000;98:127-130; discussion 130-132.

6. Mehmet B, Abuzer G. Results of Cataract Surgery in the Very Elderly Population. *Journal of Optometry*. 2009;2:138-141. doi:10.3921/joptom.2009.138.

7. Rosen E, Rubowitz A, Assia EI. Visual outcome following cataract extraction in patients aged 90 years and older. *Eye*. 2009;23:1120-1124. doi:10.1038/eye.2008.203.

8. Tseng VL, Greenberg PB, Wu W-C, et al. Cataract Surgery Complications in Nonagenarians. *Ophthalmology*. March 2011:S0161642010012637. doi:10.1016/j.ophtha.2010.11.023.

9. Mutoh T, Isome S, Matsumoto Y, et al. Cataract surgery in patients older than 90 years of age. *Can J Ophthalmol*. 2012;47:140-144. doi:10.1016/j.jcjo.2012.01.009.

10. the UK EPR user group, Sparrow JM, Taylor H, et al. The Cataract National Dataset electronic multi-centre audit of 55 567 operations: risk indicators for monocular visual acuity outcomes. *Eye*. 2012;26:821-826. doi:10.1038/eye.2012.51.

11. Michalska-Małecka K, Nowak M, Gościniewicz P, et al. Results of cataract surgery in the very elderly population. *Clin Interv Aging*. 2013;8:1041-1046. doi:10.2147/CIA.S44834.

12. Lai FHP, Lok JYC, Chow PPC, et al. Clinical Outcomes of Cataract Surgery in Very Elderly Adults. *J Am Geriatr Soc*. 2014;62:165-170. doi:10.1111/jgs.12590.

13. Syam PP, Eleftheriadis H, Casswell AG, et al. Clinical outcome following cataract surgery in very elderly patients. *Eye*. 2004;18:59-62. doi:10.1038/sj.eye.6700521.

14. Lee YG, Han SY, Han JW, et al. Characteristics of Patients Older than 90 Years Diagnosed with Neovascular Age-related Macular Degeneration. *J Korean Ophthalmol Soc*. 2018;59:444. doi:10.3341/jkos.2018.59.5.444.

15. Theodoropoulou S, Grzeda MT, Donachie PHJ, et al. The Royal College of Ophthalmologists' National Ophthalmology Database Study of cataract surgery. Report 5: Clinical outcome and risk factors for posterior capsule rupture and visual acuity loss following cataract surgery in patients aged 90 years and older. *Eye (Lond)*. 2019;33:1161-1170. doi:10.1038/s41433-019-0389-z.

16. Pahor D, Gračner T. Intraoperative Komplikationen während Kataraktoperationen bei Patienten ab 90 Jahren. *Spektrum Augenheilkd*. August 2020. doi:10.1007/s00717-020-00466-2.

17. Sella R, Chou L, Schuster AK, et al. Accuracy of IOL power calculations in the very elderly. *Eye*. 2020;34:1848-1855. doi:10.1038/s41433-019-0752-0.