Evidence Table 16. KQ3 surgical population characteristics

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Study** | **Geographic Origin** | **Follow up** | **Inclusion Criteria** | **Exclusion Criteria** | **Comparators** | **N patients/eyes** | **Mean age** | **Mean IOP****Baseline** |
| **Laser** |
| Goldenfeld 200941 | Eur | 14.65 m |  |  | TLTALT | 18 eyes, 18 pat19 eyes, 19 pat | 6868 | 25.725.7 |
| Russo 200977 | Asia,Eur | 12 m |  |  | SLT-Group AALT- Group ASLT- Group BALT-GroupB | 43 eyes41 eyes18 eyes18 eyes | 57.859.156.557.6 | 22.72321.822.2 |
| Frenkel 199740 | US, Asia | 14 m |  | Prior ocular surgery, laser | 50 laser spots35 laser spots |  | 68 overall study | 22.822.3 |
| Tang 201190 | Asia | 12 | OHT, suspects and POAG | Not specified | SLT half of conventional laser energySLT conventional | 39 patients, 39 eyes35 patients, 35 eyes | 52.1054.88 | 25.0524.47 |
| **Trabeculectomy** |
| De Jong 200930 | Eur | 50.3 wk | >18 years, prior cataract surgery | prior cataract surgery | TrabeculectomyEx-PRESS shunt | 40 eyes40 eyes | 68.962.3 | 21.522.8 |
| Kaplan-Messas 200947 | Eur | Not specified |  | <18 years | Peripheral iridectomyNo Peripheral iridectomy | 24 pat23 pat | 7575.2 | 26.928.0 |
| Sanders 199379 | Eur | Not specified |  | Prior ocular surgery, laser | NasalSuperiorTemporal(sites of trabeculectomy) | 20 pat20 pat20 pat | 677370 | 292728 |
| Kozobolis 200253 | Eur | Not specified |  | Prior incisional surgery, Argon Laser Trabeculectomy | Fornix-based flapLimbal-based flap | 30 eyes,30 pat30 eyes,30 pat | 71.471.4 | 22.3422.56 |
| Thimmarayan 200691 | Asia | 18 m | ≥40 years | Prior intraocular and glaucoma surgery | Mini trabeculectomyConventional Trabeculectomy | 30 eyes,26 pat30 eyes,28 pat | 60.258.3 | 28.6328.60 |
| **Trabeculectomy with adjuvants or implants** |
| Rosentreter201076 | EUr | 1 year | Uncontrolled IOP |  | Trab + MMCTrab + Ologen implant | 20 patients20 patients | 62.8 +/- 9.5 | 22.427.2 |
| Kobayashi 201050 | Asia | Not specified | ≥22 mmHg | Prior ocular surgery | Adjustable sutureLaser suture lysis | 25 pat25 pat | 69.669.2 | 27.827.3 |
| Cillino 200828 | Eur | Not specified | >21 mmHg | Prior ocular surgery | 1. Trabeculectomy
2. Trabeculectomy with MMC
3. Trabeculectomy with ePTFE
4. Trabeculectomy with MMC and ePTFE
 | 15 eyes15 eyes15 eyes15 eyes | 71.168.167.265.3 | 28.630.935.330.6 |
| Quaranta 200072 | Eur | Not specified | ≥22 mmHg | Prior ocular surgery | Sulodexide5-FU | 22 eyes19 eyes | 57.863 | 2628 |
| Eliezer 200635 | Asia | Not specified |  |  | ControlAmniotic membrane | 16 eyes,16 pat16 eyes,16pat | 67.668.3 |  |
| Das 200229 | Asia | Not specified | >22 mmHg | Previous failed glaucoma surgery | 1) Conventional trabeculectomy2) SIT | 40 eyes,40pat40eyes,40pat | 56.151.62 | 29.8530.20 |
| Singh 199888 | Af | 17.7 m |  |  | 5-FU (1st trial)5-FU (2nd trial)Mitomycin C | 20 pat37 pat44 pat | 61.652.754.1 | 29.632.030.7 |
| Reibaldi 200875 | Eur | 126 m | Baseline IOP >21OAG | pigmentary, pseudoexfoliative, NTG, prior ocular surgery | MCC-TEBSS-TE | 67 pat47 pat | 61.261.6 |  |
| Tressler 199692 | US | Not specified | Aphakia, pseudophakia, failed filtering surgery |  | subconjunctival MMCintrascleral MMC | 12 eyes12 eyes | 69.3369.08 | 2628 |
| Kim 199848 | US | Not specified |  |  | 0.5-1 minute MMC3-5 minute MMCNo MMC | 50 pat38 pat36 pat | 60.563.465.8 | 32.730.229.7 |
| El Sayyad 199934 | Asia | Not specified | 35 - 90 years, >21mmHg with maximal medical therapy |  | Fornix-based flapLimbal-based flap | 29 eyes,29 pat29 eyes, 29 pat | 51.351.3 | 33.933.0 |
| **Deep Sclerectomy** |
| Russo 200878 | Eur | 47 for NPDS46 for PT |  | prior cataract surgery | NPDSTrabeculectomy | 43 eyes/43pat50eyes/50pat | 66.368.2 | 25.326.0 |
| Mielke 200663 | Af | 16.4 m | uncontrolledPOAG |  | DS onlyDS w/MMC | 21 pat18 pat | 6062 | 29.526.4 |
| **Other Treatments** |
| Fea 201038 | Eur | Not specified | >18 mmHg |  | Phaco + stentPhaco only | 12 pat24 pat | 64.564.9 | 17.917.3 |
| Kobayashi 200751 | Asia | Not specified |  |  | PhacoviscocanalostomyPhacotrabeculectomy | 20 eyes, 20 pat20 eyes, 20 pat | 71.571.0 | 24.023.7 |

IOP given in mmHg. OAG: Open angle glaucoma, POAG: Primary open angle glaucoma, NTG: Normal tension glaucoma, OHT, Ocular hypertension, DS, Deep sclerectomy, NPDS: Non penetrating deep sclerectomy, ALT: Argon laser trabeculoplasty, TLT: Titanium-sapphire laser trabeculoplasty, SLR: Selective laser trabeculoplasty, E-PTFE: Gore-Tex implant, MMC: Mitomycin C, 5-FU: 5-Fluorouracil, SIT: Small incision trabeculectomy, BSS: Balanced salt solution, PDS: Phaco+deep sclerectomy