**S2 table: Studies reporting outcomes of glaucoma filtration surgery in sub-Saharan African patients**

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| Ref No. | Study | Design | N | F/Up | Results |
| 22 | * Comparing 5 FU and MMC * Nigeria, West Africa 2012 | Retrospective | * 132 eyes * 5FU 73 * MMC 59 | ≥ 1 year | * IOP<19mmHG after 1,2,3 years * 5FU: 78%, 71%, 59% * MMC: 88%, 81%, 76% * IOP <15mmHg after 1,2,3 years * 5FU: 71%, 64%, 55% * MMC: 86%, 79%, 76% * 30% Loss of VA by at least 2 Snellen lines * 42% had ECCE Post Trabeculectomy |
| 23 | * Long term comparison 5FU and MMC * Nigeria, West Africa 2008 | Retrospective | * 68 eyes * 5FU 38 * MMC 30 | >3years | * Mean final IOP: * 5FU 19.7mmHg * MMC 18.3mmHg * IOP<21 mmHG with or without medication ( Qualified success) * 5FU: 52.6% * MMC: 73.3% * IOP < 21mmHg without medication ( Complete success) * 5FU: 24.3% * MMC: 55.2% * 50% had > 2 Snellen’s line loss of acuity |
| 24 | * 5FU and releasable suture * Nigeria, West Africa 2011 | Retrospective | * 22 eyes | ≥ 72 weeks | * Mean IOP 16.9 ±5.6mmHg * Success rate 81% at the last follow up |
| 25 | * Long term results of glaucoma * Tanzania, East Africa 2000 | Community based, Cross sectional study | * 16 eyes * All had MMC | 3 years post operative | * IOP <15mmHg: 89% * Cataract in 33% |
| 26 | * Presentation and Surgical outcome of POAG * Nigeria, West Africa 2007 | Retrospective | * 71 eyes | Not specified | * 97% had IOP <21mmHG * 82% 10-15mmHg * 15% 16-20mmHg |
| 27 | * Post Trabeculectomy complication. * Nigeria, West Africa 2009 | Retrospective | * 76 eyes * 5FU 33% * None 67% | 1 year | * Mean IOP at 1 year: * 5FU 16.1 mmHg * None 18.5mmHg * No difference in IOP outcomes 5FU vs none |
| 28 | * MMC versus Placebo * Ethiopia ,East Africa 2009 | RCT | * 31 eyes MMC * 28 eyes Placebo | No mention in abstract | * No difference in post operative IOP * Higher complications in MMC group |
| 16 | * Trabeculectomy audit * Tanzania, East Africa 2005 | Retrospective | * 178 eyes | 8 months | * 5FU used in 36% * IOP ≤15mmHg : 73% * IOP≤ 21mmHg: 90% * No significant difference between 5FU and nothing * 25% lost ≥ 2 lines Snellen’s acuity |
| 29 | * Intraoperative 5- FU application in primary Trabeculectomy * Nigeria, West Africa 2003 | Retrospective | * 154 eyes | 18 months | * IOP≤ 20mmHg * 5FU: 76% * Control : 79% * IOP≤14mmHg * 5FU: 64% * Control: 39% * (p=0.018) |
| 30 | * Effectiveness of trabeculectomy * Nigeria, West Africa 2001 | Retrospective  ( 10 years) | * 433 eyes | 1 year | * 92% success |
| 31 | * Evaluation of Trabeculectomy * Nigeria, West Africa 2001 | Retrospective | * 56 eyes | No mention | * IOP<21mmHg : 74% * With medication : 96% |
| 32 | * Trabeculectomy with and without mitomycin C * Congo, Central Africa 2001 | RCT  One eye MMC  One eye none | * 22 eyes | 20 months | * Success * MMC : 81% * None: 64% * Complications; * MMC: 36.3% * None: 9% |
| 33 | * 5Fu versus placebo * Kenya, East Africa 2001 | RCT | * 68 eyes | 6 months, 2 years | * IOP At 6 months; * 5FU: 16.9mmHg * Placebo : 17.4mmHg * At 2 years, success * 5FU : 88.8 % * Placebo : 70.6% * Higher failure rate in placebo by 2.18 times * 30% Loss of acuity by 3 lines in both arms |
| 34 | * Trabeculectomy outcomes in advanced glaucoma * Nigeria, West Africa 2001 | Retrospective  No adjuncts used | * 142 eyes | Av.3 years | * IOP <22mmHg * 1 year 85% * 5 years 71% * IOP < 16mmHg * 1 year 65% * 5 years 46% * 12% loss of acuity by 2 lines |
| 18 | * β radiation versus placebo * South Africa 2006 | RCT | * 320 eyes; * β radiation * 164 (51%) * Placebo (49%) | 1 year | * Surgical failure * β : 5% * Placebo : 30% * Higher incidence of operable cataract in β group ( 16.7%) versus Placebo (2.8%) at 2 years |