Abstract:

Background: From November 2016 till July 2018, ophthalmological specialist care was provided in St. Mary's Hospital, Drobo. In the setting of this rural district capital, high quality services and a new Eye Department were established.

Methods: During specialist services at least 298 Manual Small Incision Cataract Surgeries, 31 pterygium surgeries with conjunctival autograft, 7 eviscerations, 7 traumatic eyelid lacerations with canaliculair repair and 5 EDTA flushings of the cornea, were performed

Results: For the MSICS group a mean postoperative uncorrected visual acuity of 0.35 (\pm 0.2) was achieved. Mean best corrected visual acuity was 0.79 (\pm 0.39). Refractive outcomes had a mean Spherical Equivalent of -0,94D. For the pterygium group a mean preoperative visual acuity of 0.37 (\pm 0.27) with an astigmatism of 4.25D (\pm 2.56) was observed. Postoperative results showed a visual acuity of 0.53 (\pm 0.32) with an astigmatism of 1.25D (\pm 1.59). No recurrences were observed in a mean postoperative follow up period of 45 days (\pm 68).

Conclusions: Ophthalmological specialist care with good surgical outcomes in a rural district in Ghana can be provided