Co2 laser assisted deep sclerectomy (LADS) in glaucoma patients
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A new methodology for performing Unroofing of Schlemm's Canal and Deep Sclerectomy in Glaucoma patients is presented. A CO2 laser is used during surgery to "polish" the sclera above Schlemm's Canal and achieve a controlled exposure of the canal's outer wall with percolation of aqueous from the anterior chamber through the open canal, followed by substantial reduction of IOP. Our experience with a series of patients who underwent the procedure will be reported and discussed. Two years of follow-up in 50 patients from 4 different surgical centers will be discussed as well. The long learning curve for regular Non Penetrating surgery is substantially improved with this easy procedure. The controlled use of CO2 laser is suggested as a better alternative to regular knife in Schlemm's Canal surgery.