Methods

Safety, Efficacy and Outcome of CO₂ Laser-Assisted Sclerectomy Surgery (CLASS) in eyes with Primary Open Angle Glaucoma (POAG)

Poemen PM Chan, Isabel SW Lai and Clement CY Tham

Department of Ophthalmology and Visual Science, Chinese University of Hong Kong

This is a prospective, single-arm, non-randomized and multi centre clinical trial. In Hong Kong, ten eyes of 10 patients with POAG were selected to undergo CLASS. The steps are shown on Figure 2.

Results

One eye had extensive superior anterior synechiae and was excluded from the study. The baseline demographics, mean IOP and mean number of medications used before and after CO₂ laser assisted NPDS are listed on table 1. Complications and additional procedures required after NPDS are listed on table 2. Statistical analysis was not performed as only 9 patients were involved.

Conclusions

Preliminary results shows that CLASS is a safe and effective approach of performing NPDS. Close follow-up and additional procedures are required. Further study is required to assess its long-term outcomes compared to the manual technique.