FEMTOSECOND LASER ASSISTED CATARACT SURGERY WITH VICTUS PLATFORM: Our Initial Experience at Northern Most Emirate – Ras al Khaimah

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Abstract / Introduction

Femtocataract surgery is fast becoming an advanced technique for more accurate and predictable outcomes. The significance has increased since the cataract surgery has transformed into a high precision refractive surgery.

Purpose:
TO STUDY THE RESULTS OF THE FIRST 25 PATIENTS (35 EYES) OPERATED BY THE FEMTOSECOND LASER TECHNOLOGY ON THE VICTUS PLATFORM (B&L)
RAK EYECARE CENTRE, RAS AL KHAIMAH

Methods

All surgeries were performed by 3 experienced surgeons at RAK Hospital, Ras Al Khaimah, Northern Most Emirate of UAE.

Inclusion criteria:
- All morphological types of cataract

The exclusion criteria:
- Patient with corneal opacity, non dilating pupil, shallow anterior chamber, operated glaucoma filtration surgery, over weight (>130kg, upper limit for the operating table).

Procedure:
- The femto second laser procedure was performed under topical anaesthesia in all patients
- Femtorehexis; 5.3 mm diameter
- 5.8 microjoule femtenergy levels
- Radial phacofragmentation: 7.2 microjoule. Safe zones: 900 micron from posterior capsule, 600 micron from anterior capsule and 500 micron from pupillary zone
- The phacoemulsification was done on the Stellaris PC Platform in all cases
- Anaesthesia: Peribulbar /topical depending on surgeons choice.
- A clear corneal tunnel@steep axis, stop and chop technique and implantation of hydrophobic acrylic lens in the bag was performed in all cases

Results

GENDER RATIO, AGE GROUPS, PAINSCORE, SYSTEMIC COMORBIDITY, VISUAL RESULTS, OCULAR COMORBIDITY, TYPE OF LENS, COMPLICATIONS

INTRODUCTION

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RESULTS CONTINUED

- Femto second laser assisted cataract surgery on Victus platform is found to be a safe and effective procedure in varied morphological types of cataract including traumatic and developmental cataract.

- We found a high grade of patient satisfaction and suitability in large range of age group.

- The only disadvantage on this platform is the weight limit on the table.

CONCLUSIONS

REFERENCES