

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

Archana Sood , Mohit Jain , Kasuprasad Reddy

Rak Eye Care Centre ,Rak hospital ,Ras al khaimah ,UAE

Abstract /introduction

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 :

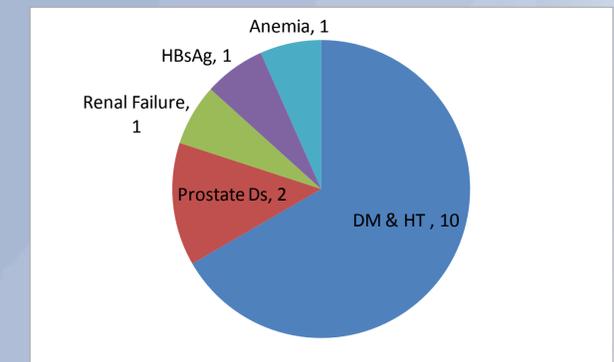
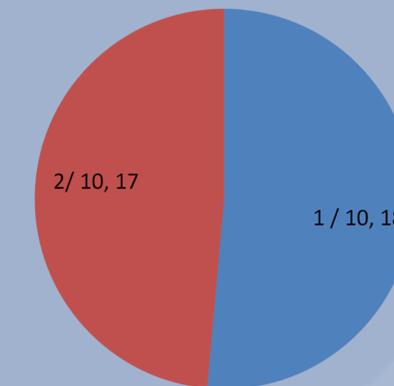
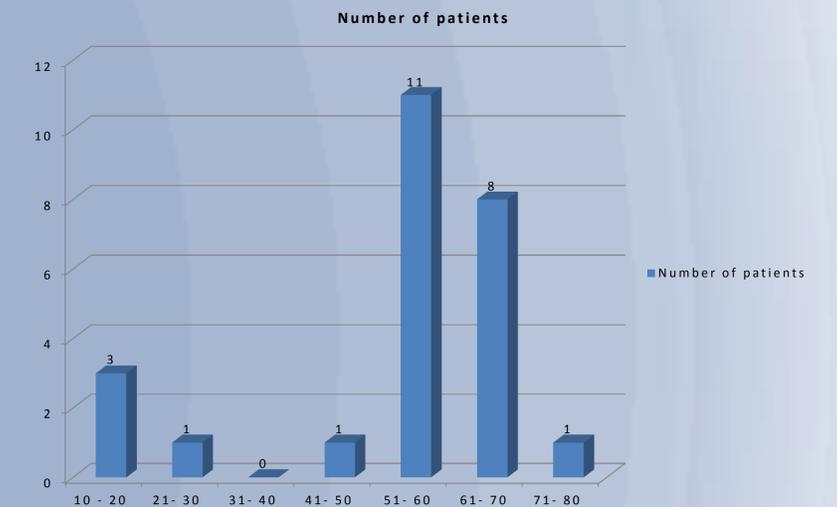
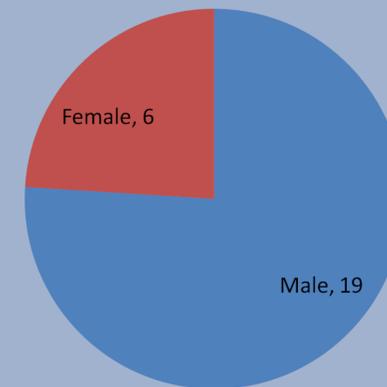
Patient with corneal opacity ,non dilating pupil, shallow anterior chamber ,operated glaucoma filtration surgery , over weight (>130kg, upper limit for the operating table).

Procedure:

- The femto second laser procedure was performed under topical anaesthesia in all patients
- Femtorhexis ; 5.3 mm diameter
- 5.8microjoule femtoenergy 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

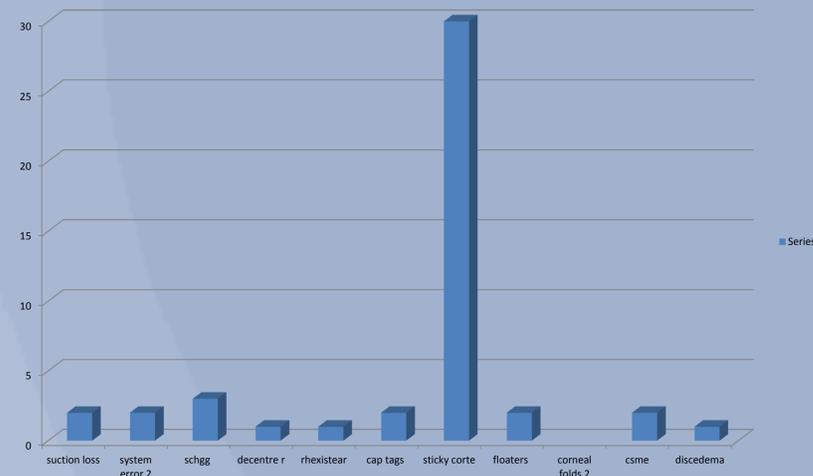
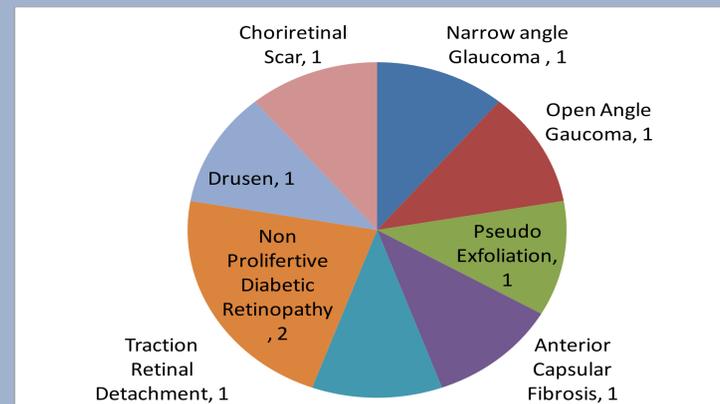
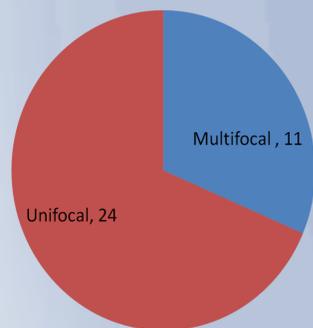
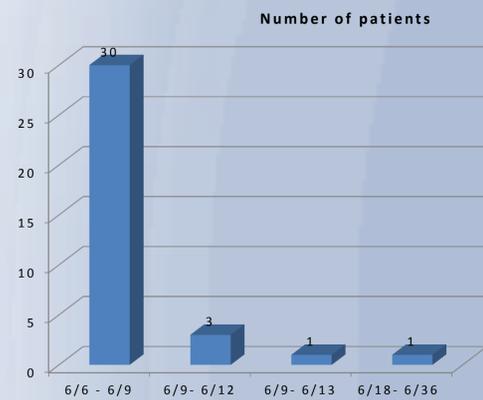
RESULTS

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



RESULTS CONTINUED

CONCLUSIONS



- 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.

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