

COMPARISON OF THE EFFICIENCY OF PERFORMING LASER ASSISTED CATARACT SURGERY UTILIZING A NON-STERILE VERSUS STERILE SURGICAL WORKFLOW

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DISCLOSURES

- LENSAR
- RxSight

PURPOSE

The purpose of the study was to examine the workflow efficiency of laser assisted cataract surgery (LENSAR, Orlando, FL) when performed as an inclusive sterile procedure versus performing the laser portion of the surgery non-sterile. The comparison was made to determine workflow improvements and time savings for the surgeon and patient.

METHODS

Study population

62 eligible subjects with an operable, uncomplicated cataract were prospectively (n=29 ALLY subjects) or retrospectively (n=33 LLS subjects) enrolled in this single site study.

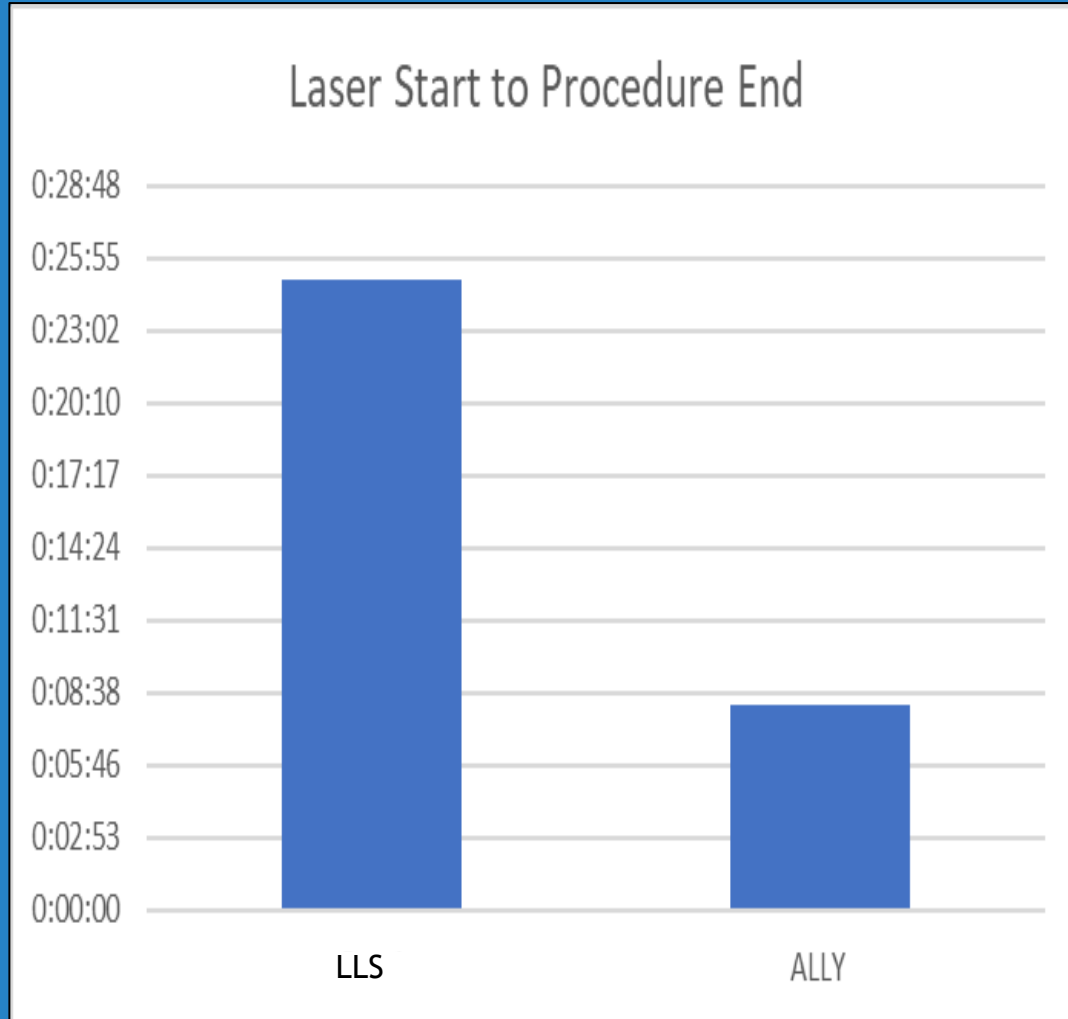
Study procedure

Patients were tracked for time and motion by following surgeon and patient from entrance into the operating room through departure from the operating suite.

Outcome measures

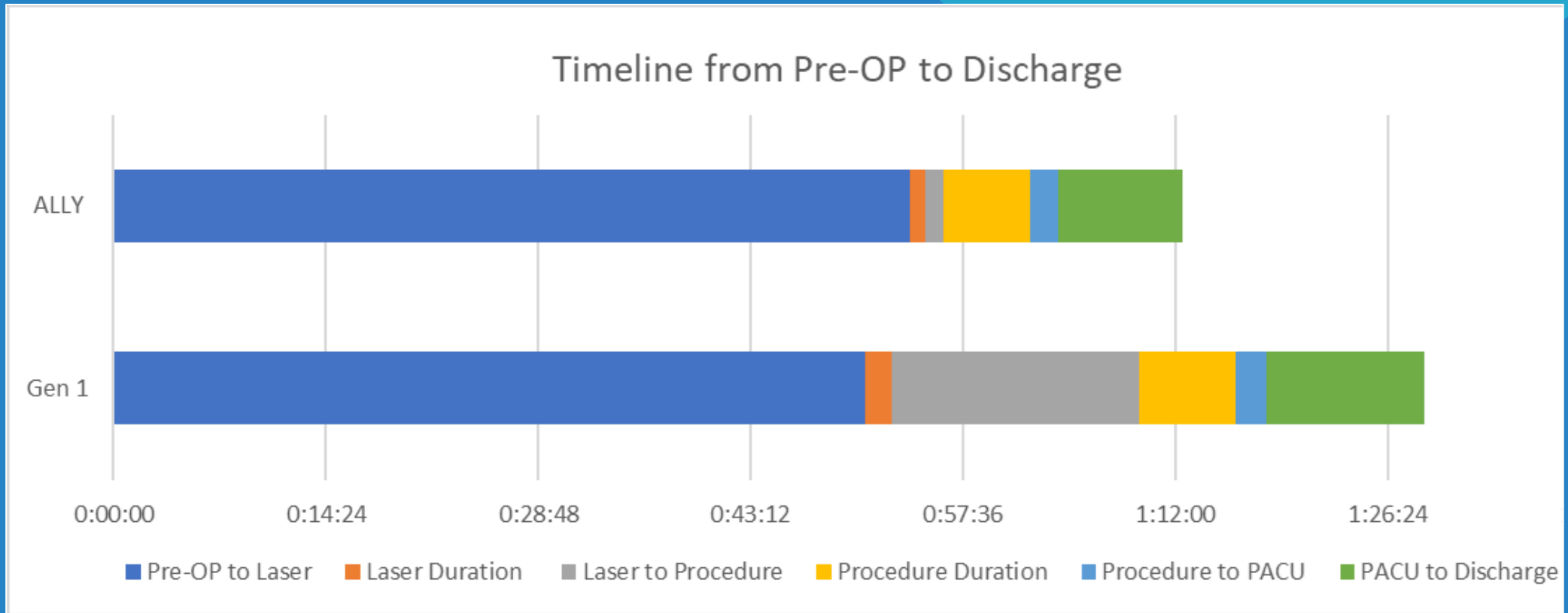
Procedure parameters collected included all applicable time intervals for surgeon, staff and patient including marking, docking, femto procedure time, phaco procedure time, total OR time, surgeon and patient total case time.

RESULTS



- LLS procedure averaged a total of **25:03** minutes compared to **08:00** minutes with ALLY

RESULTS- TOTAL TIME PATIENT EXPERIENCE



- Significant difference in laser to procedure- LLS took 16:44 minutes compared to ALLY 1:15 minutes



CONCLUSION

- Laser assisted cataract surgery in a sterile environment provides significant improvements in workflow and time savings.
- These improvements allow for additional cases to be added to the surgery schedule, earlier completion of surgical days and less time a patient spends in the surgical environment.



Thank You