

Enhanced Efficiency and Comprehensive Approach in Facial Feminization Surgery: A Comparative Analysis with National Averages



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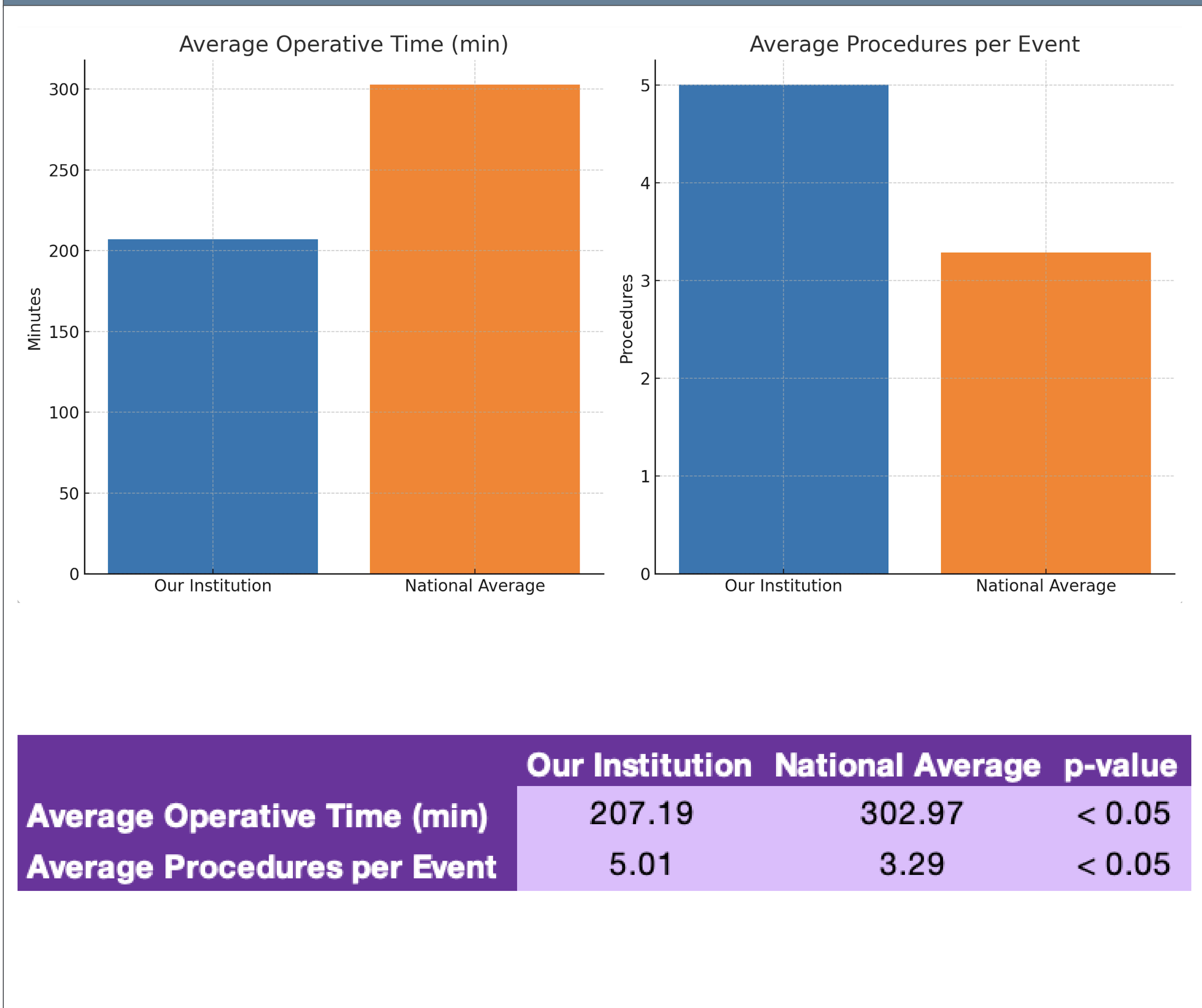
BACKGROUND

- Facial feminization surgery (FFS) is a complex, multi-procedural intervention designed to achieve facial features consistent with feminine aesthetics
- Wide variation in techniques among surgeons
- Operative times and procedures per event, have important implications on patient outcomes and healthcare efficiency
- Aim: this study evaluates the operative time and number of FFS procedures performed by a single-surgeon at a single-institution and compares these metrics with national averages from the NSQIP database

METHODS

- Retrospective chart review from 2018-2023 on operative times and the number of procedures per FFS event were collected from our institution and compared with national averages from the NSQIP database.
- Key demographic factors were collected as well as operative time and number of procedures per anesthetic event

FIGURES



RESULTS

- Average operative time at our institution: 207.19 minutes
- Average operative time nationally: 302.97 minutes
- Average procedures per event at our institution: 5.01
- Average procedures per event nationally: 3.29

CONCLUSIONS

- Our institution demonstrates a significantly lower average operative time and a higher number of procedures per event compared to national averages ($p < 0.05$).
- These differences are statistically significant, underscoring the efficiency and comprehensive surgical approach employed at our institution.
- Our institution's approach to facial feminization surgery significantly reduces operative time and allows for more procedures to be performed in a single session, enhancing both patient safety and surgical outcomes.
- Shorter surgeries decrease anesthesia exposure and associated risks, while the ability to perform more procedures in one operative event reduces the need for multiple surgeries, improving patient satisfaction.
- This optimized approach not only lowers healthcare costs but also serves as a potential model for other institutions.
- Our findings, supported by statistically significant data, contribute valuable insights into improving the efficiency and effectiveness of gender-affirming surgeries, helping set new standards for care