

Mercader Barrull C.¹, Benfante N.², Picola N.³, Rivero Belenchón I.⁴, Apatov S.², Jenjitrant P.², Vikers A.⁵, Touijer K.²

¹Clinic Hospital of Barcelona, Dept. of Urology, Barcelona, Spain, ²Memorial Sloan Kettering Cancer Center, Dept. of Urology, New York, United States of America, ³Hospital Universitari de Bellvitge, Dept. of Urology, Bellvitge, Spain, ⁴Virgen del Rocío University, Seville Biomedicine Institute Hospital, Dept. of Urology, Seville, Spain, ⁵Memorial Sloan Kettering Cancer Center, Dept. of Statistics, New York, United States of America

Introduction & Objectives: Pelvic lymph node dissection (PLND) is the best staging procedure for prostate cancer (PC). However, there is lack of consensus on the anatomical template and great variation among surgeons. The number of lymph nodes removed, and the rate of metastatic node detection are objective indicators of surgical quality. We hypothesize that providing surgeons with performance and outcomes feedback could help reduce variation and improve surgical quality.

Materials & Methods: The AMPLIO system is a software that collects, analyzes clinical data about surgical performance and provides surgeons with feedback on their outcomes. Feedback is provided through graphs in an anonymous way with comparison to that of peers. Surgeons can voluntarily review their personal surgical performance, assess their patients' outcomes and compare their outcomes to the group's median and to each participating surgeon. The AMPLIO platform takes into consideration variations in patients' health and disease severity and display the outcomes in a risk adjusted fashion. We herein, show one surgeon's video of an extended pelvic lymph node dissection and review lymphadenectomy data of 4 surgeons.

Results: Regarding the quality of extended pelvic lymph node dissection in PC, the AMPLIO system shows variation among four surgeons of the same center and both in the number of lymph nodes obtained and the number of positives lymphadenectomies (Fig1). Surgeons check their outcomes in term of number of surgeries, nodes removed, positive lymphadenectomies and positive nodes and adjust them to

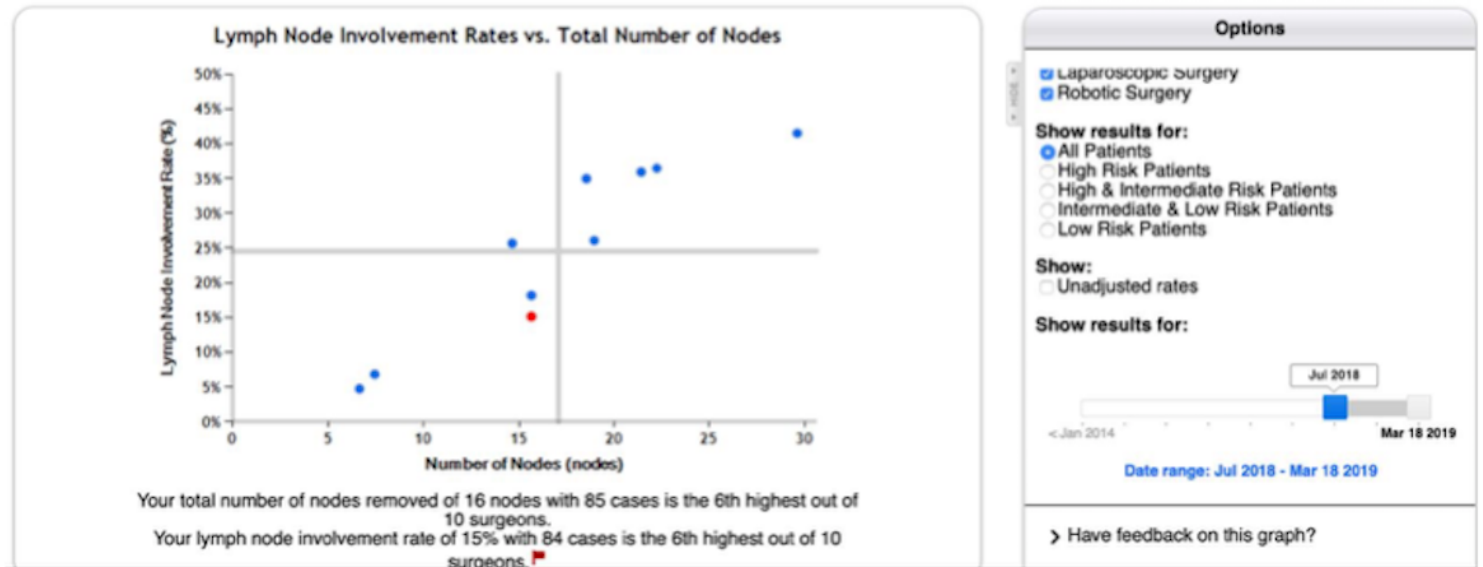
different variables such as periods of time, surgical approach or prostate cancer risk group.

amplio

Log Out

Home Procedures Radical Prostatectomy Reports Patient Characteristics More Information Settings Dashboard

Demo mode: data is simulated for privacy.



Conclusions: The AMPLIO is a platform that captures data and displays it in terms of surgical outcomes and therefore, surgical quality. The implementation of the AMPLIO system provides surgeons with feedback about the quality of their surgeries in an objective and comparative way. The ultimate objective is to reduce variation, improve outcomes and promote skill sharing at the institutional, national and international level.