

Free Paper (Postgrad)

April 5,2019 13.00-15.30 pm

Dusit 4-5 Room, Dusit Thani, Pattaya

**Chairman** Dr.Ekkarin Chotikawanich

**Co-Chairman** Dr.Manint Usawachintachit

Time	Titles	Speaker
13.00-13.10	Perioperative Outcomes of Robot-assisted Laparoscopic Radical Prostatectomy (RALP) in Prostate cancer, A Single-Surgeon Experience	Dr.Kamol Panumatrassamee

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## Perioperative Outcomes of Robot-assisted Laparoscopic Radical Prostatectomy (RALP) in Prostate cancer, A Single-Surgeon Experience.

*Kamol Panumatrassamee*

*Division of Urology, Department of Surgery, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand*

**Introduction:** Radical prostatectomy is the standard treatment of localized prostate cancer. Robot-assisted surgery is the evolving minimally invasive therapy.

**Objective:** To report the perioperative outcomes of RALP performing by a single-surgeon.

**Materials and Methods:** From March 2013-December 2018, 95 consecutive patients with clinically localized prostate cancer underwent RALP by a single-surgeon at King Chulalongkorn Memorial Hospital. Preoperative clinical characteristics, intraoperative and postoperative outcomes were prospectively collected and retrospectively analyzed. 30-day perioperative complications were graded by Clavien-Dindo Classification.

**Results:** Mean patient's age was 64.8 (5.9) years. Mean preoperative PSA was 12.3 (8.9) ng/dl. Mean operative time (skin-to-skin) was 207 (51.9) min. Mean EBL was 336 (405) ml. Five intraoperative complications occurred, 4 with bladder injury (button-hole injury) and 1 obturator nerve injury. No ureteral, rectal, vascular injury and conversion occurred. The overall positive surgical margin was 36/95 (37%) which was 15/51 (29%) in T2 patients, 19/41 (46%) in T3 patient and 2/3 (67%) in T4 patients. Five patients had nodal metastasis (N1).

Twenty-seven postoperative complications occurred in 21 patients (22.1%). The most common complications were transfusion (11.6%), prolonged anastomosis leakage (4.2%) and gross hematuria (3.2%). Only two (2.1%) major complications occurred (Grade 3a). There was no patient with complication grade 3b, 4 and 5 in this study.

**Conclusions:** RALP is the safe and feasible treatment for localized prostate cancer carrying a low risk of complication even in the early experience hand surgeon. Postoperatively, complications are mostly minor and managed conservatively.