

## **ROBOTIC LATERAL NECK DISSECTION FOR PAPILLARY THYROID CARCINOMA BY A GASLESS UNILATERAL AXILLARY (GUA) APPROACH: VIDEO DEMONSTRATION OF THE PROCEDURE**

Tae, Kyung<sup>1</sup>; Song, Chang Myeon<sup>1</sup>; Ji, Yong Bae<sup>1</sup>

<sup>1</sup>Hanyang University, Seoul, Korea, Republic of

**Background/Purpose:** We have been performing robotic thyroidectomy by gasless unilateral axillo-breast (GUAB) and gasless unilateral axillary (GUA) approaches, and have reported on their feasibility, safety, and comparable surgical outcomes for benign and malignant thyroid tumors. In advances in robotic thyroidectomy, we have developed robotic lateral neck dissection by a GUA approach for papillary thyroid carcinoma (PTC) to avoid long visible scars in the neck. Here we demonstrate our novel procedure of robotic lateral neck dissection by a GUA approach.

**Methods:** We performed robotic lateral neck dissection including level II, III, IV, and V with total thyroidectomy and bilateral central neck dissection for the patient with papillary thyroid carcinoma and lateral neck metastasis by a GUA approach.

**Results:** The entire surgical procedure for robotic lateral neck dissection was successfully completed, and the working space and surgical view was sufficient to dissect levels II-V. There was no postoperative complication. Postoperative cosmetic satisfaction was excellent.

**Discussion & Conclusion:** Robotic lateral neck dissection by a GUA approach for PTC is feasible and safe and allows for excellent postoperative cosmesis.