

CERVICAL PURE ENDOSCOPIC APPROACH FOR POSTERIOR MEDIASTINUM PARATHYROID ADENOMAS

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Abstract body (should contain maximum 300 words)

Background: About one and half year ago, we proposed a novel pure endoscopic cervical approach to posterior mediastinum parathyroid adenomas that we called “prevertebral cervical approach”. Material and methods: Step by step technique is described for both right and left sided adenomas, by means of photographs and short video clips. Results: From June 2015 to December 2018, 7 patients were operated using this technique. Five adenomas were right sided and 2 were left sided. Mean surgical time was 31±5 min. There were neither intraoperative nor postoperative complications. Four patients presented a slight subcutaneous emphysema which did not cause complaints. All patients were discharged next day after surgery except for one patient with a previous neck open 4 glands removal for secondary hyperparathyroidism, which required calcium replacement. Calcium and parathyroid hormone levels were normalized in the other 6 patients after surgery. Conclusions: This cervical pure endoscopic approach has shown, in our experience, a high feasibility and short surgical time, with excellent postoperative results regarding to patient comfort, length of stay and disease cure, offering besides a very reasonable procedure cost, and may result in a less aggressive surgical option when compared with thoracic approaches.