

Total Thyroidectomy with LigaSure Small Jaw versus Conventional Thyroidectomy - a Clinical Study

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Abstract

Introduction: The emergence of LigaSure device in surgical practice brings some real benefits in thyroid surgery. Using LigaSure Small Jaw device in total thyroidectomy is an important step in thyroid surgery. The aim of this study is to present the initial experience of Surgical Clinic I Târgu Mureş staff in terms of total thyroidectomy using this procedure, without ligatures compared to the conventional technique with ligatures.

Material and Method: The study included 20 consecutive patients (19 females and one male) who have undergone total thyroidectomy in Surgical Clinic I of the Emergency County Hospital Târgu Mureş, between September 2012 - February 2013. Group I included 10 patients who underwent total thyroidectomy using the LigaSure Small Jaw device (without ligatures) while the second group included 10 patients in whom total thyroidectomy was performed by classical procedure (using vascular ligatures). The two groups were compared using statistical analysis following the next parameters: the thyroid pathology, operation time, number of hospitalization days, analgesia and immediate postoperative complications.

Results: This method provides a statistically significant decrease of the operative time and hospitalization days.

Conclusion: Using LigaSure Small Jaw device in thyroid surgery is a safe procedure with little complications rate.

Key words: LigaSure Small Jaw, total thyroidectomy, hemostasis

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