THE PROTECTION OF PARATHYROID GLAND AND ITS FUNCTION DURING TOTAL THYROIDECTOMY IN 1025 CASES.

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Background/Purpose: To discuss how to protect the parathyroid gland and its function.
Methods: The parathyroid glands were exposed during the operation in 1025 cases of patients who received the total thyroidectomy .Their nutrient vessels were recognized and protected carefully. The level of serum calcium and parathyroxin were compared before and after the operation.
Results: 36 cases (3.5%) had the symptom after surgery. 12 cases(1.2%) had a hypocalcemia and nomal parathyroxin with no symptoms ,the serum calcium approached to normal level after 3~60days by medicine, the parathyroxin approached to normal level after 5~90 days;124 cases(12.1%)suffered a transient hypocalcemia with the normal parathyroxin level;853(83.2%) cases had a nomal level of serum calcium and parathyroxin. No permanent hypoparathyroidism appeared in all patients.
Discussion & Conclusion: The key point of protecting the parathyroideum's function is to identify and protect the parathyoid gland and its blood supply. The effective treatment for parathyroid gland with poor blood supply or being cut down during the operation by mistake is autoplastic transplantation.