

Dear Professor,

Thanks for your comments and professional advice. My answers are as follows:

1. The patient is a young woman with normal upper parathyroid glands on both sides, and bilateral lower parathyroid glands show adenoma-like changes and hyperplasia. We are worried that subtotal parathyroidectomy or a total parathyroidectomy with parathyroid tissue autotransplantation will cause permanent hypoparathyroidism. It had happened in the previous cases we treated. And based on our past experience, unless it is a parathyroid cancer, it can achieve a better treatment effect just by removing the problematic parathyroid glands. During the actual operation, the parathyroid hormone has been decreased from 676.3 pg/ml to 63.9 pg/ml after the removal of the bilateral inferior parathyroid glands. and the patient's serum parathyroid hormone was 47.6 pg/ml after 27 months postoperatively. I have added the comments in line 210-213, page 10.

2. Such patients often experience hungry bone syndrome after surgery, resulting in varying degrees of serum calcium reduction. Therefore, we routinely supplement calcium intravenously after surgery and closely monitor serum calcium. In most patients, serum calcium returns to normal after a period of time. In this case, the patient was closely monitored serum calcium and was pumped calcium gluconate 2.0 g/day through a central venous catheter for 5 days. After taking 1.5 g calcium carbonate daily for 3 months, serum calcium levels stabilized to normal levels (line 165-167, page 7).

3. Thanks to the reviewer's professional advice. The patient does have indications for a total thyroidectomy. The reasons we didn't do that were the patient was a young woman, preoperative examination of the left thyroid lobe confirmed normal, and the patient had a strong desire to preserve the thyroid

gland. We repeatedly communicated with the patient and her family members before and during the operation. They did not agree to remove the left lobe. The patient received endocrine suppression therapy after the operation. Currently no recurrence was found. I have added the comments in line 161-164, page 7.

Best regards,

Jia