

INFERIOR APPROACH IN THYROID SURGERY A STUDY AT AL- HUSSAIN GENERAL AND AMEL PRIVATE HOSPITAL IN NASSYRIA

SAADI.K.ALMAJED.....CABS*

SUMMARY

(192) patients with clinical thyroid enlargement were studied over a period of 2 years (sep 2008/Sep 2010) in AL-HUSSAIN GENERAL and AMAL PRIVATE hospitals in NASSYRIA to evaluate the inferior approach as the best technique to achieve near total or total thyroidectomy. patients was selected for surgery according to the classical indications.the mean age was(36 year). female/male ratio was(15/1). initial steps of thyroidectomy was the standard.....strap muscle division not routine,gland mobilization started from the lower pole rather than the classical middle thyroid vein then upper and lower pole division . complications was less than the classical percent :postoperative haemorrhage(0.52 percent). respiratory obstruction(0.52 percent), recurrent laryngeal nerve paralysis(1.04 percent)and parathyroid insufficiency(1.04 percent). conclusion.....inferior approach of thyroidectomy was reliable ,rapid,and easy technique to achieve near total or total thyroidectomy with less postoperative complications than the standard technique .

INTRODUCTION

Thyroidectomy is the surgical removal of the thyroid gland,this important gland located in the lower part of the neck,produces hormones which regulate the body's production of energy.minimally invasive approach using small incision or endoscopic procedure is increasingly used.the aim is to achieve proper removal of thyroid tissue with the least complications.

PATIENTS & METHODS

192 patients with thyroid enlargement were studied over a period of 2 years to evaluate the inferior approach as the best way to achieve near total or total

thyroidectomy.patients was selected for surgery according to the classical indications .the mean age was 36 year,the female to male ratio was 15/1.the initial steps was the standard,strap muscle division not routine,thyroid gland mobilization started from the lower pole rather than the middle thyroid vein division,then upper and lower pole mobilisation.

Procedures.....

Near total thyroidectomy...75]39 percent[
Near total lobectomy.....41]21.3 percent[
total thyroidectomy.....39]20 percent[
total lobectomy..... ..24]12.5 percent[
subtotal thyroidectomy.....23]11.9 percent[

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* Department of surgery, Al Hussain Teaching Hospital, Nassyriah ,Iraq.

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Disease process.....	
Multinodular goiter.....	118
Nodular hyperplasia.....	28
Hashimatos disease.....	16
Graives diseae.....	8
Follicular adenoma.....	4
Thyroid cancer.....	9
Others.....	9

RESULTS

Among the 192 patients studied the complication rate was as follows.....

Postoperative haemorrhage.....].0.52percent][1 case.[

Respiratory obstruction.....]0.52percent][1 case.[

Reccurent laryngeal nerve injury.....]1.04percent][2 case.[

Clinical hypocalcemia.....].1.04percent][2 case[

DISSCUSION

Although endoscopic surgery start to take place part in the management of the thyroid enlargement,open operative procedures still

play the major role.thyroidectomy is not without complications and the aim is to achieve proper removal of thyroid tissue with less morbidity.inferior approach studied appear to be reliable ,easy ,rapid way to achieve radical thyroidectomy because its with less complications and it depend on the following operative and anatomic principles.....

1.the skin incision in the lower part of the neck over the inferior pole]4.[

2.strap muscle inserted to the thyroid cartilage making less space around the upper pole]1.[

3.reccurent laryngeal nerve is at risk more in the upper than the lower part of dissection]2.[

4.parathyroid glands is more clear in the lower part of dissection.

5.trachea a good landmark is more clear initially]3. [

CONCLUSSION

Inferior approach of thyroidectomy was reliable ,rapid ,safe and easy technique to achieve near total or total thyroidectomy with less complications than the standard technique.

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