

Economic plan

This plan identifies the areas prioritised for economic modelling. The final analysis may differ from those described below. The rationale for any differences will be explained in the guideline.

1 Guideline

Hyperparathyroidism (primary): diagnosis, assessment and initial management

2 List of modelling questions

Review question	What is the clinical and cost effectiveness of intraoperative second- and third-generation parathyroid hormone assays?
Population	Adults (18 years and over) with confirmed primary hyperparathyroidism caused by single adenoma, 4 gland hyperplasia, double adenoma or ectopic adenoma. The model population consists of patients who are eligible for parathyroidectomy.
Interventions and comparators considered for inclusion	Intervention 1: Parathyroidectomy without IOPTH testing Intervention 2: Parathyroidectomy with IOPTH testing
Perspective	National Health Service and Personal Social Services
Outcomes	Costs, Quality Adjusted Life Years (QALY), Cost per QALY gained
Type of analysis	Threshold analysis
Issues to note	<p>Due to poor quality data on clinical effectiveness of IOPTH tests, an exploratory approach was taken to answer the following questions:</p> <ol style="list-style-type: none"> 1. What improvement in probability of successful surgery must be achieved through the use of IOPTH testing to make IOPTH testing cost neutral? 2. What improvement in quality of life following successful surgery is required to make IOPTH testing cost effective?