

Possible causes of Hypercalcaemia

Possible causes	Further investigations
Hyperalbuminaemia	Correct for albumin Check dehydration Check for prolonged tourniquet effect
Hyperparathyroidism Primary Tertiary Multiple endocrine neoplasia	PTH increased or high normal Ionized Ca increased
Malignancy Solid neoplasms Haematological disorders (for example, Myeloma)	Clinical assessment Measure PTH-related protein (in research applications) Measure PTH (will be low)
Increased absorption	
Vitamin D excess	Measure Vitamin D
Sarcoid	Measure ACE, steroid suppression
Milk-alkali syndrome	Clinical assessment
IV therapy	Clinical assessment
Increased bone resorption	
Thyrotoxicosis	TSH < 0.1 mU/L
Vitamin A excess	Measure Vitamin A
Immobilisation	Clinical assessment
Increased renal reabsorption U Ca < 5 mmol/d Thiazides Familial Hypocalciuric Hypercalcaemia	
Renal failure	