



Calcium Regulating Hormones, Vitamin D Metabolites, and Cyclic AMP Assays and Their Clinical Application

By Schmidt-Gayk, Heinrich / Armbruster, Franz P.

Book Condition: New. Publisher/Verlag: Springer, Berlin | Calcium metabolism is regulated by three specific hormones: parathor- mone, calciferol metabolites, and calcitonin. Cyclic AMP also plays an important part in calcium regulation, and its concentration in urine can be taken as a measure of parathyroid function. Methods for quantitative measurement of, e.g. calcium-regulating hormones and vitamin D metabolites as well as of cAMP are absolutely necessary for safe differential diagnosis of diseases of the parathyroid like hypo- and hyperparathyroidism. In this monograph all presently available methods are summarized as to whether they can already be obtained as test kits or are still being tested. Radioimmunoassays for the various peptide fragments such as 53-84, 44-68, 28-48, and 1-34 are described, as are immunochemiluminescence methods and adenylate cyclase bioassays. The same is true for the vitamin D metabolites, where the various assays for calcidiol and calcitriol such as HPLC, protein-binding assay with second antibody separation, and double antibody RIA are de scribed. Finally, determination of calcitonin and cAMP is discussed in detail. This is a practically and clinically oriented monograph for working in the fields of internal medicine, endocrinology, and laboratory medicine. | 1 Introduction.- 1.1 Clinical Application of Intact Parathyroid Hormone Determination.-...



[READ ONLINE](#)

Reviews

This written publication is wonderful. It is rally fascinating through reading period. I discovered this book from my dad and i suggested this publication to find out.

-- **Keshaun Daugherty**

Here is the best pdf i actually have go through till now. We have study and i also am certain that i am going to planning to go through once again once more in the future. You will not sense monotony at at any time of the time (that's what catalogs are for regarding in the event you question me).

-- **Frederique Rolfson**