

IN GOD WE TRUST
AND
THE FUTURE

INTRODUCTION AND AIM OF THE WORK

Recently, much effort has been done in the field of airways obstruction in an attempt to cover the various aspects concerning this entity, but little is known about the metabolic and biochemical changes that may accompany this condition.

It is established that calcium ion regulates a number of important physiologic and biochemical processes including neuromuscular excitability, secretory processes, membrane integrity, plasma membrane transport, enzyme reaction, release of hormones and neurotransmitters and the interacellular action of a number of hormones (*Granner, 1988*).

It is also evident that calcium homeostasis is abnormal in many disorders, so this study has been conducted in an attempt to disclose any relation that might exist between serum calcium and obstructive airway diseases. Also serum phosphorus estimation was included in this study owing to its intimate relation to serum calcium and also to show if it has any relation to the changes in serum calcium concentration that claimed to be present in these cases.