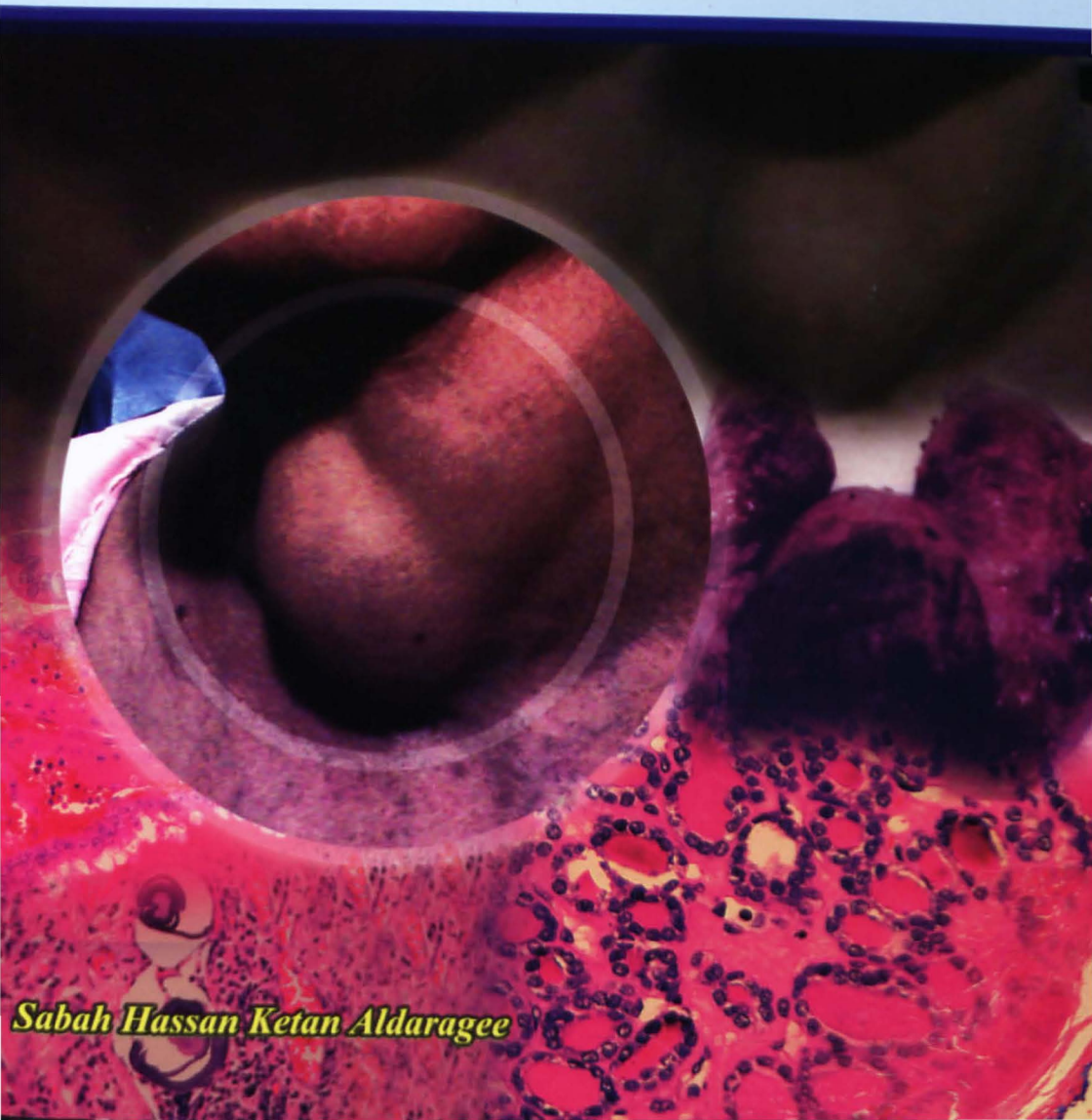
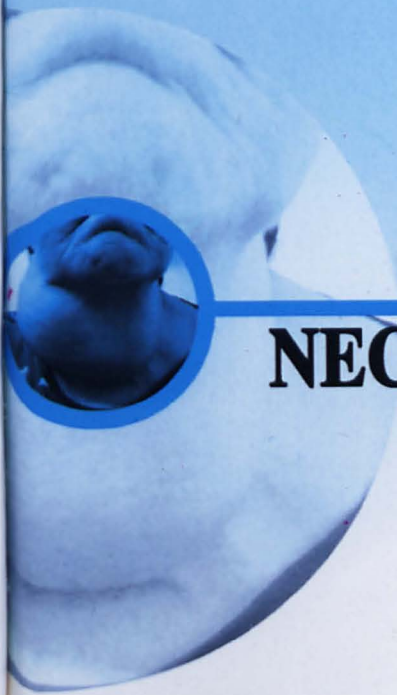


AID ON
NECK ENDOCRINE
SURGERY



Sabah Hassan Ketan Aldaragee



AID ON

**NECK ENDOCRINE
SURGERY**
QUESTIONS & ANSWERS





AID ON **NECK ENDOCRINE SURGERY** QUESTIONS & ANSWERS

Dr Sabah Hassan Ketan Aldaragee

M.B.Ch.B, DGS, FRCSI, FACS

Associate Professor of Surgery

Consultant Surgeon

Surgical Oncologist

School of Medicine

Universiti Malaysia Sabah

Penerbit 

Kota Kinabalu • Sabah • 2007

<http://www.ums.edu.my/penerbit>

© Universiti Malaysia Sabah, 2007

All rights reserved. Except as permitted by Act 332, Malaysian Copyright Act of 1987, no parts of this publication may be reproduced or distributed in any form or by any means, or stored in a data base or retrieval system, without prior written permission from the Universiti Malaysia Sabah.

Permission of rights subjected to royalty payment.

Perpustakaan Negara Malaysia

Cataloguing-in-Publication Data

Sabah Hassan Ketan Aldaragee

Aid on neck endocrine surgery (264 Qs & As) / Sabah Hassan Ketan Aldaragee.

ISBN 978-983-2369-65-3

I. Endocrine glands--Surgery. I. Title.

617.44

Layout & Cover Designer : Rosalind Ganis & Vencent Yong Chi Fui

Type face for text : Times New Roman

Text type and leading size : 11/13.2point

Printed by :

Capital Associates Printing (S) Sdn. Bhd.

*To my parents
To my wife for her support
To my sons Mohammad Noor and Zain al abedean
To my students
I say thanks a lot.*



Contents

INTRODUCTION

PREFACE

ACKNOWLEDGEMENTS

A -Thyroid Gland

	Question Number	Page number
1 - Surgical Anatomy	1-13	3-8
2 - Physiology	14-17	9-10
3 - Clinical Examination	18-27	11-15
4 - Radiological Investigations	29-34	17-19
5 - Thyroid Function Tests	35-41	21-22
6 - Development Disorders	42-70	23-30
7 - Goiter	71-88	31-38
8 - Solitary Thyroid Nodule	89-102	39-43
9 - Retrosternal Goiter	103-117	45-49
10 - Thyroid Incidentaloma	118-119	51
11 - Hyperthyroidism	120-167	53-70
12 - Thyroid Neoplasm	168-200	71-84
13 - Thyroiditis	201-216	85-90

B - Parathyroid Gland

1 - Surgical Anatomy	217-221	93-94
2 - Parathyroid Physiology	222	95
3 - Parathyroid Disorders	223	97
4 - Primary Hyperparathyroidism	224-246	99-106
5 - Secondary Hyperparathyroidism	247-252	107-108
6 - Tertiary Hypoparathyroidism	253-261	109-110
7 - Hypoparathyroidism	262-264	111-112

REFERENCES

INDEX



Introduction

When I started to write this book, my main goal was to find a way for our students to simplify and thoroughly understand one of the most common and important topics in surgery, whether for their daily clinical practice or their under and post graduate preparations. I tried to deliver the topics in the form of questions and answers which involve all disease progress. This book covers all aspects of thyroid and parathyroid gland as follows:

- 1 - Questions concerning embryology, surgical anatomy and physiology of both glands.
- 2 - Definition of the disease and its path physiology.
- 3 - Clinical presentation of the disease.
- 4 - Diagnostic modalities.
- 5 - Management options.
- 6 - Advantages and disadvantages of each management modality.
- 7 - Complications of treatment.
- 8 - Disease prognosis.
- 9 - Clinical examinations of thyroid gland.

I hope we can offer something to help our medical students anywhere and thanks ALLAH (God) for every thing.



Preface

Neck endocrine diseases are among the most common surgical problems that face all those concerned with medical field whether during their early medical academic study or their postgraduate study. Because of the importance of such endocrine organs and the popularity of these diseases in daily clinical service, I noticed that medical students in addition to newly graduated doctors whether they are at house officers or medical officer level face difficulty in digesting the knowledge concerned with those endocrine organs, so I started to provide an insight into the basic principles and practice of such diseases in the form of simple, digestible, concise and practically applied knowledge which both help students and doctors to simply and thoroughly manage each problem concerned with those organs. This book provides information which is updated and clinically applicable. I hope our medical students, junior doctors and those preparing for post graduation can get some benefits. My best wishes for all.

Dr Sabah Hassan Ketan Aldaragee
Associate Professor of Surgery
Consultant Surgeon
Surgical Oncologist
School of Medicine
Universiti Malaysia Sabah



acknowledgements

o Professor Dr Osman Ali, Dean of the School of Medicine, Universiti Malaysia Sabah, I want to register my great respect and thanks for his support and encouragement for publishing this book. Also special to Dr B. K. Adiga, pathologist of Hospital Queen Elizabeth (QEH) kind and immediate help and response in preparing the slides for this special thanks to Mr Chuah Jitt Ann, Consultant Surgeon in QEH, vision of this book.