

Laboratory Manual of **Clinical Pathology** and **Hematology**

is a concise textbook of clinical pathology and hematology with emphasis on laboratory manuals and laboratory procedures. It will be useful for students of MBBS, MD (Pathology), DCP, DMLT and BMLT courses as well as pathologists and technicians working in the fields of clinical pathology and hematology.

Salient features

- Quality control in hematology, laboratory safety and waste disposal have been added for National Accreditation Board for Testing and Calibration Laboratories (NABL) accredited laboratories or those who are planning for these.
- Not only high performance liquid chromatography (HPLC) but also capillary electrophoresis has been included along with exercises to build confidence during reporting of hemoglobinopathies.
- For easy understanding, many colour as well as black-and-white pictures, photomicrographs, flowcharts, diagrams and tables have been incorporated.

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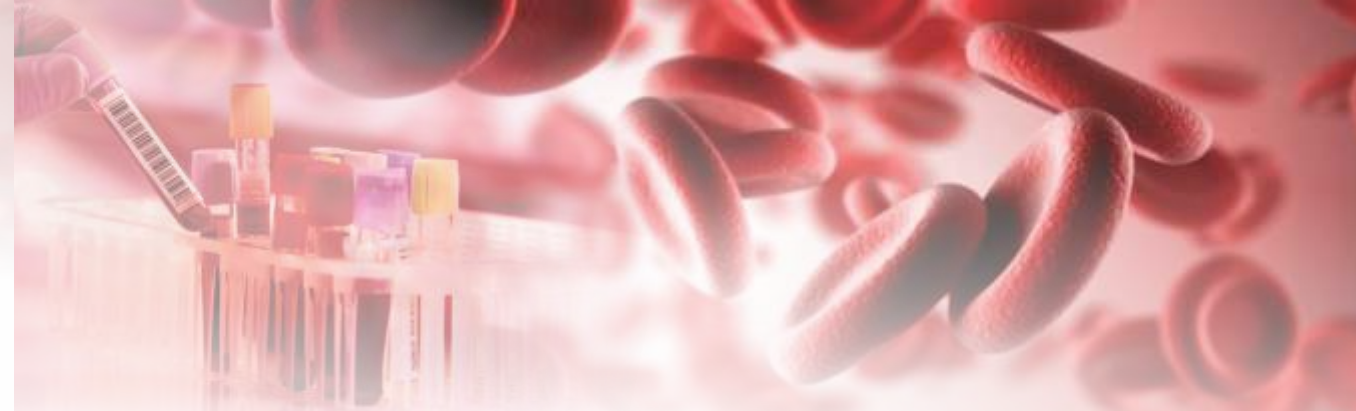
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CBS Catalogue

ISBN: 978-93-5466-058-0

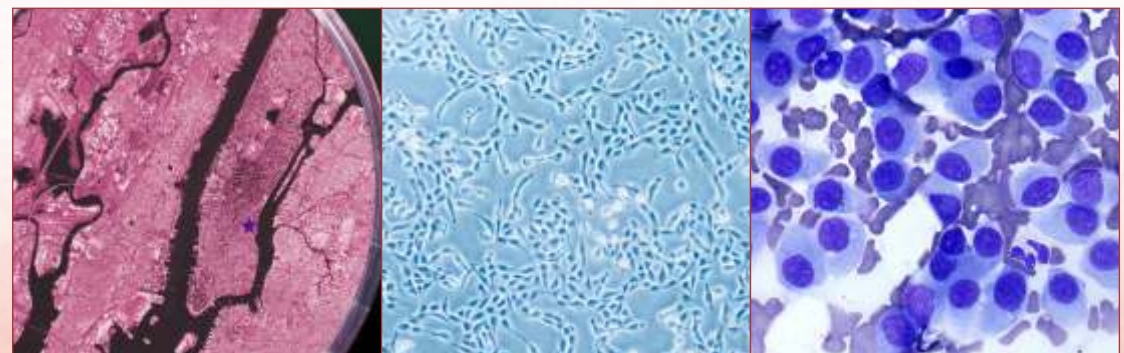


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Mondal




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Disclaimer

Science and technology are constantly changing fields. New research and experience broaden the scope of information and knowledge. The author has tried his best in giving information available to him while preparing the material for this book. Although all efforts have been made to ensure optimum accuracy of the material, yet it is quite possible some errors might have been left uncorrected. The publisher, the printer, and the author will not be held responsible for any inadvertent errors or inaccuracies.

ISBN: 978-93-5466-058-0

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First Edition: 2022

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Published by Satish Kumar Jain and produced by Varun Jain for

CBS Publishers & Distributors Pvt Ltd

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Printed at HT Media Ltd., Greater Noida, UP, India

to

*My parents, Mr Nitai Chandra Mondal and
Smt. Jyotsna Mondal, my loving wife
Dr Shampa Mondal and our son Soumyadeep
(Gablu or Deep). It is a proud privilege to share
my life and love with all of you.*

Preface

Robertson Davies once said “A truly great book should be read in youth, again in maturity and once more in old age, as a fine building should be seen by morning light, at noon and by moonlight.” The relentless progress of medical technology has brought into its wake novel methods of investigations and treatments, rendering many older methods obsolete. Pathological investigations remain cornerstone of medical diagnosis and eventually successful treatment. The clinical laboratory plays a pivotal role in health care. Pathology and laboratory medicine is a rapidly evolving science and in recent years there has been a virtual explosion of technological advances in medical laboratory science with the availability of numerous laboratory tests. I have subdivided the book into two groups: Haematology (18 chapters) and Clinical Pathology (11 chapters). The book is intended to meet the needs of undergraduate and postgraduate medical students, particularly those appearing in examinations like MD (Pathology), DNB, DCP, etc. It will also be very helpful to pathologists and technicians who are working in clinical pathology and haematology divisions.

I have included chapters like quality control in haematology, laboratory safety and waste disposal. The laboratories which are NABL accredited or planning for it, will find these chapters extremely helpful. Also I have included HPLC and capillary electrophoresis along with some exercises which will build confidence during reporting of haemoglobinopathies.

This book is a summary of my professional experience as a pathologist and as a teacher and distillation of vast medical information available. Although I have made every effort to avoid any mistake and errors, some may persist. Feedback and positive criticism in this regard will be highly appreciated.

Santosh Kumar Mondal

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