

Manual of Immunohistotechnology, Histotechnology and Cytotechnology

is a complete, though short, textbook on these specialized subjects. **Immunohistochemistry** is presented as a single compact chapter. **Histopathology** chapter starts with the receiving of a specimen, grossing, processing and eventual microtomy and applying routine and special stains. Decalcification, often needed for hardbony specimens, has not been overlooked. **Cytopathology** is covered as a complete yet concise chapter.

The book highlights aspects of quality management in easy to assimilate protocols. Formulations of special and routine stains are presented just in case if you would like to prepare your own solutions. However, as immunohistochemistry antibodies and kits cannot be developed at routine setups, under commercial appendix you will find what instruments you will require and from where to procure these. Safety aspects have been given due importance. By following and applying the processes and protocols mentioned, you can attain ISO 15189 or NABL accreditation comfortably.

This is the first book available in international literature which gives together all the three diagnostic technologies/platforms **immunohistotechnology**, **histotechnology** and **cytotechnology** in a holistic manner.

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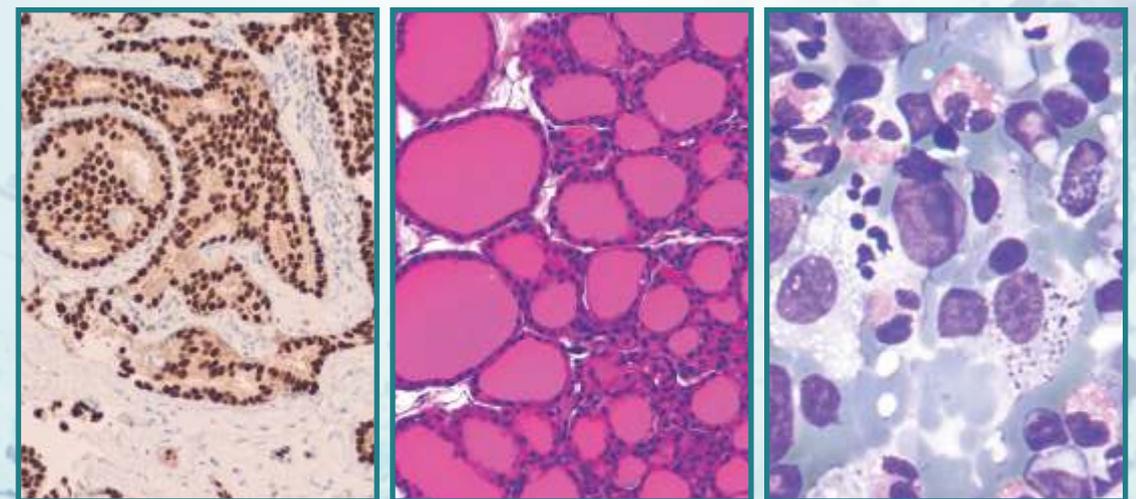
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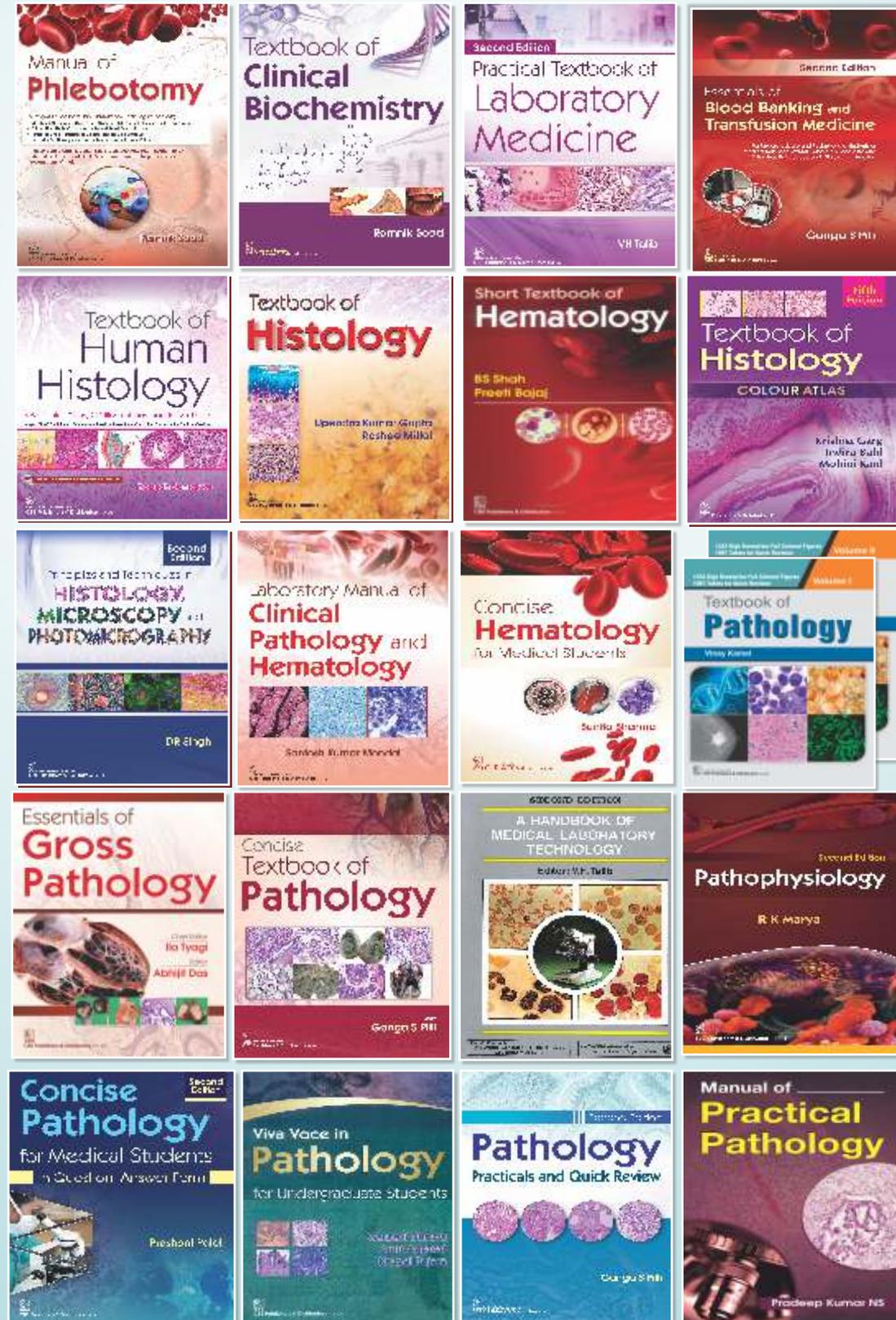
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Foreword

A book with integrated immunohistotechnology, cytotechnology and histotechnology has never been seen displayed on the shelves of a medical bookstore. This book shall fill in the vacuum and the void.

Having been CEO in the medical field, I have seen the technicians performing the abovementioned tasks command highest respect and salaries too. It is always advisable to acquire a specialist training instead of remaining as a general technologist. I am in no way recommending that you forego the skills of a general technologist.

Dr Ramnik Sood, a medical author of immense repute, along with Ms Tejaswini Shrikhande, have created and crafted this technical work of medical science. As individually it is not possible to make all input materials that go into creating finally readable/assessable slides, therefore, commercial information with names of respective companies have also been presented wherever indicated/needed.

A prized possession that this book shall become for you shall catapult you to higher heights in the medical diagnostic field.

The book highlights what is right and what is wrong, when mistakes occur. Troubleshooting of errors is the heart of this book, just like the main processes are the brain of this book too.

Wishing both Dr Ramnik Sood and Ms Tejaswini Shrikhande all the very best for this presentation of theirs.

Ravindra Aggarwal

CFO, Avivo Healthcare Group
UAE

Preface

It is said, “seeing is believing”. In medical parlance, radio-imaging science delivers just an image and not the actual bone or site but histopathology and cytopathology deliver what is happening at tissue and cellular level. The science has advanced to an extent that we can now detect molecular level changes and alterations that make the diagnosis foolproof and so to say over 100 percent. This is the branch of immunohistochemistry.

There is no work in book form that delivers all aspects of immunohistotechnology, histotechnology and cytotechnology. First of its kind, this book shall assist budding technologists to specialize in the said fields. Needless to say they are the highest paid and respected medical technologists in the field.

I have worked single handedly for over 40 years and have handled IHCs, histopathology and cytopathology starting from accession of a sample, grossing, sectioning, staining and reporting too. As I worked without the assistance of technicians so I am well versed with the problems that arise and how to troubleshoot them. All the knowledge accrued over four decades has been squeezed within the covers of this four color book.

I have been privileged to be assisted by Ms Tejaswini Shrikhande from Mumbai, who happens to be a respected expert in the field with over three decades of relevant experience. Without her inputs this book would not have seen the light of the day.

The book has several illustrations and delivers as is seen under the lens of the microscope.

So here is all about

‘Immunocytotechnology’, ‘histotechnology’, and ‘cytotechnology’ for you all within cover of a single book.

Happy reading!

Ramnik Sood

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