

AIIMS-MAMC-PGI's

Comprehensive Textbook of
DIAGNOSTIC RADIOLOGY





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Comprehensive Textbook of DIAGNOSTIC RADIOLOGY

Third Edition

VOLUME 1

- Genitourinary Imaging
- Advances in Imaging Technology

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PREFACE TO THE THIRD EDITION

In 1996, a unique venture was jointly initiated by the faculty of Radiodiagnosis, All India Institute of Medical Sciences (AIIMS), New Delhi; Maulana Azad Medical College (MAMC), New Delhi; and Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh, India, to organize continuing medical education (CME) programs based on a series of imaging courses. An integral part of this endeavour was publishing books covering all organ systems. The aim was to provide state-of-the-art knowledge for postgraduate students as well as the practicing radiologists along with establishing a uniform pattern of teaching in radiology across the country.

The first series of seven imaging courses was successfully completed in the year 2000. A second series of these courses was then initiated in the year 2002 and was completed in 2004. This was also highly successful. The third series of seven extremely popular and successful courses covering all the organ systems and advances in physics was started in 2008 and was completed in 2013. The fourth series started in 2016 and was completed successfully in 2020.

Every course in each of the series has resulted in publication of a book. These books have been very popular amongst residents as well as among practicing radiologists.

Considering the popularity of these books, the editors, along with publishers, M/s Jaypee Brothers Medical Publishers (P) Ltd, New Delhi, India, had decided to combine the individual course books into three volumes— *“AIIMS-MAMC-PGI’s Comprehensive Textbook of Diagnostic Radiology”*. Its first edition was released in 2016.

In keeping pace with newer developments in the field of diagnostic radiology and in order to cater to the contemporary needs of users, the second edition of *“AIIMS-MAMC-PGI’s Comprehensive Textbook of Diagnostic Radiology”* was presented in 2019 after a gap of three years. It was anticipated that with such a complete coverage of all the subjects, the users will not have to refer to any other book during their routine learning of diagnostic radiology.

However by the time fourth AIIMS MAMC PGI Imaging course series was near completion in early 2021, it was felt that there is a very strong need for updating of second edition along with addition of new chapters in view of rapid advancement of knowledge in the last few years. So third edition was planned. It was also agreed that in view of increasing size of individual course books and to keep the size of individual volumes of the Textbook handy and manageable the whole textbook should be divided into four volumes from its current three volumes.

We are sure that residents and radiologists will find these comprehensive four volumes easy to handle and very useful in day-to-day practice.

We are once again grateful to all the contributors from the three apex academic institutions of India, i.e. AIIMS, New Delhi; MAMC, New Delhi; and PGIMER, Chandigarh, India.

We are thankful to M/s Jaypee Brothers Medical Publishers (P) Ltd, for helping us to make our dream come true.

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PREFACE TO THE FIRST EDITION

In 1996, a unique venture was jointly initiated by the faculty of radiodiagnosis at All India Institute of Medical Sciences, Maulana Azad Medical College, New Delhi, and Postgraduate Institute of Medical Education and Research, Chandigarh, India, to organize continuing medical education programs based on a series of imaging courses. An integral part of this endeavor was publishing books covering all organ systems. The aim was to provide state of the art knowledge for postgraduate students as well as the practicing radiologists along with establishing a uniform pattern of teaching in radiology across the country.

The first series of seven imaging courses was successfully completed in the year 2000. A second series of these courses was then initiated in the year 2002 and was completed in 2004. This was also highly successful.

With the great success of the second series, we, the current editors, decided to start a third series of these courses in 2008. Seven extremely popular and successful courses covering all the organ systems and advances in physics were completed in 2013.

Every course in each of the three series have resulted in publication of a book. These books have been very popular amongst residents as well as among practicing radiologists.

Considering the popularity of these books, we, the three current editors, along with publishers M/s Jaypee Brothers Medical Publishers (P) Ltd., decided to combine the individual books published so far into a "AIIMS-MAMC-PGI's Comprehensive Textbook of Diagnostic Radiology" with three volumes.

We are very happy to see the end result of this great effort.

We are sure that residents and radiologists will find these comprehensive three volumes easy to handle and very useful in day-to-day practice.

We are once again grateful to all the contributors from the three apex academic institutions of India, i.e. AIIMS, MAMC, New Delhi and PGIMER, Chandigarh, India.

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To Professors Manorama Berry, Sudha Suri and Veena Chowdhury (Past Editors) the three pioneers who in 1996 took a bold initiative and started a unique teaching course now popularly known as AIIMS-MAMC-PGI's imaging course. By October 2020, four series, each series comprising of seven courses, have been completed. This course series has become extremely popular and every course is followed by the publication of a book which too is highly appreciated and popular.

To Professors Sima Mukhopadhyay, Sushma Vashisht and Niranjana Khandelwal who have been the Editors of past series and who contributed to organizing the earlier courses in their capacity as Heads of Departments.

To all the Associate Editors of the different course books who put in immense effort to bring the books out on time.

To all the Authors who contributed chapters without whom we could not have collected such an outstanding content of teaching and academic material.

To our respective hospitals for giving us the privilege and unique opportunity to work, which enabled us to amass data from patients and document images of diverse diseases that provide the reader with a wide spectrum of knowledge.

Our sincere and grateful thanks to Shri Jitendar P Vij (Group Chairman), Mr Ankit Vij (Managing Director), Mr MS Mani (Group President), Dr Richa Saxena (Associate Director-Professional Publishing), Ms Nedup Denka Bhutia (Development Editor) and Other staffs of M/s Jaypee Brothers Medical Publishers (P) Ltd, New Delhi, India, for their untiring coordination efforts in the production of this book.

We are very proud indeed at the culmination of two decades of these course series, to compile and present them together in the form of these four volumes of *"AIIMS-MAMC-PGI's Comprehensive Textbook of Diagnostic Radiology"*.

Arun Kumar Gupta
Anju Garg
Manavjit Singh Sandhu



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