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# Basics of Hepatobiliary Interventions

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Amar Mukund  
Editor

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 Springer

*Editor*  
Amar Mukund  
Interventional Radiology  
Institute of Liver and Biliary Sciences  
New Delhi  
India

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## Foreword



I am pleased to write a foreword to Dr. Amar Mukund's book *Basics of Hepatobiliary Interventions*. Dr. Mukund who has been one of the pioneers in this subspecialty has been instrumental in establishing a robust protocol-based interventional management in liver diseases and portal hypertension, and I have been keenly observing his meteoric growth for over 10 years. He was key to establishing one of the most academic and vibrant departments at the Institute of Liver and Biliary Sciences (ILBS).

Interventional radiology has been one of the most dynamic, fascinating, and upcoming branch of medicine. Hepatobiliary interventions being a further superspecialized subdivision of interventional radiology provide a minimally invasive and intricate treatment option to patients with liver diseases. There has been an increasing need for skilled interventional radiologists in the management of sick patients before and after the organ transplant. Apart from having extremely sophisticated skills for successful procedure performance, it requires a deep understanding of the disease itself. The operator needs to maintain a delicate balance between treating a complicated disease and not causing complications while treating.

Being a new subspecialty there are very few dedicated textbooks on this subject. Moreover, there are only a few trained interventional radiologists working in the HPB field in the country. This book may serve as a guide for trainees and practicing interventional radiologists in this specialized field. This book provides a detailed but simple description of all relevant topics of hepatobiliary interventions. The contributors and editor should be congratulated for their efforts to create this book, which would not only benefit readers but also the patients in getting a highly sophisticated treatment and care. I am sure the feedback from readers and growth of hepatology would help the editor to improve the contents with every new edition, which I hope to see in the next few years.

Shiv Kumar Sarin, MD, DM, DSc (Hony.), FNA, FNAS  
Institute of Liver & Biliary Sciences  
New Delhi, India

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## Preface

Liver disease is the latest epidemic affecting a majority of population and so is the need for management of various hepatic disorders, ranging from liver infection (abscess) to liver tumors, portal hypertension, and vascular diseases of the liver to post-liver transplant complications. Interventional radiology plays an important role in salvaging these conditions which are otherwise medically untreatable or unfit for surgery. Further it is an adjunct to various surgical procedures. During the course of my focused work on hepatobiliary interventions, I strongly felt the need for additional teaching and training in this subspecialty.

Interventional radiology being a rather new specialty with hepatobiliary interventions being further subdivision of the same, no book was available to shed light on the topic. So, I collaborated with various eminent and accomplished interventional radiologists, experts in their subspecialty, to give their valuable inputs into the making of this book with the intent to give the readers focused guidance into the subject. I feel this handbook will bridge this gap and cover most aspects of hepatobiliary interventions. This may serve as an important guide for the practicing interventional radiologist as well as the beginners wishing to pursue hepatobiliary interventions.

Further, I would like to add that the various changing facets of the medicinal practice and addition of advanced and newer technology and devices frequently remain a challenging matter, and hence, the readers should consider it as a basic handbook in this new subspecialty. The authors have worked hard compiling the chapters, and a further review of the content has been done by peers as well, despite some shortcomings; hence, I request all the readers to communicate and email their observations personally so that rectification of contents may be carried out subsequently. A further note of thanks to all the contributors for putting their hard work and completing the project in a reasonable time frame. Lastly, my heartiest gratitude to my readers for choosing this book.

New Delhi, India

Amar Mukund

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## About the Editor

**Amar Mukund, MBBS, MD** completed his postgraduate certification in radiodiagnosis and later trained at Sanjay Gandhi Postgraduate Institute of Medical Sciences (SGPGIMS), Lucknow, and the All India Institute of Medical Sciences (AIIMS), New Delhi. He has been instrumental in establishing the interventional radiology wing at ILBS and pioneered hepatobiliary interventions. He has established the fellowship program (PDCC in HPB interventional radiology) at ILBS in 2012 and is the program director for the same. He has many peer-reviewed and indexed publications to his credit. Dr Mukund is an associate editor for the *Indian Journal of Radiology and Imaging* (IJRI) and has been an editorial board member/reviewer for many other journals. He has been a recipient of various prestigious awards and honors, e.g., the Young Investigator Award (ISVIR), Dr V P Lakhnarpal Gold Medal, Dr Ashok Mukherjee Award, and Onco-imaging Innovation Award.



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## Contributors

**Munawwar Ahmed** Department of Radiology, Christian Medical College Hospital, Vellore, India

**Krishna Bhardwaj** Department of Radiology, VMMC & Safdarjung Hospital, New Delhi, India

**Basavaraj Biradar, MD, DNB, PDCC** Manipal Hospital, Bengaluru, Karnataka, India

**Lakshmi Kumar Chalamarla, DNB, PDCC** Department of Radiology, Institute of Kidney Diseases and Research Centre, Institute of Transplantation Sciences, Ahmedabad, India

**Mathew Cherian** Kovai Medical Center and Hospital, Coimbatore, Tamil Nadu, India

**Swati Das** KIMS Hospital, Bhubaneswar, Odisha, India

**Ujjwal Gorsl** Department of Radio Diagnosis, PGIMER, Chandigarh, India

**Arun Gupta** Department of Interventional Radiology, Sir Ganga Ram Hospital, New Delhi, India

**Pankaj Gupta** Department of Radiodiagnosis and Imaging, Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh, India

**Naveen Kalra** Department of Radiodiagnosis and Imaging, Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh, India

**Shyamkumar N. Keshava** Department of Radiology, Christian Medical College Hospital, Vellore, India

**Suyash S. Kulkarni** Department of Interventional Radiology, Tata Memorial Centre, Homi Bhabha National Institute, Mumbai, Maharashtra, India

**Ishan Kumar** Department of Radiodiagnosis and Imaging, Institute of Medical Sciences, Banaras Hindu University, Varanasi, India

**Kumble Seetharama Madhusudhan** Department of Radiodiagnosis, All India Institute of Medical Sciences, New Delhi, India

**Pankaj Mehta** Kovai Medical Center and Hospital, Coimbatore, Tamil Nadu, India

**Shashank Mishra** Department of Interventional Radiology, Tata Memorial Centre, Homi Bhabha National Institute, Mumbai, Maharashtra, India

**Chander Mohan** Interventional Radiology, BLK Superspecialty Hospital, New Delhi, India

**Aniket Mondal** Department of Interventional Radiology, Health World Hospitals, Durgapur, West Bengal, India

**Vinu Moses** Department of Radiology, Christian Medical College Hospital, Vellore, India

**Amar Mukund, MD** Interventional Radiology, Institute of Liver and Biliary Sciences, New Delhi, India

**David Narayan** Department of Interventional Radiology, Tata Memorial Centre, Homi Bhabha National Institute, Mumbai, Maharashtra, India

**Amey Narkhede** Department of Interventional Radiology, Sir Ganga Ram Hospital, New Delhi, India

**Yashwant Patidar** Interventional Radiology, Institute of Liver and Biliary Sciences, New Delhi, India

**Santhosh Poyyamoli** Kovai Medical Center and Hospital, Coimbatore, Tamil Nadu, India

**Pratyaksha Rana** Department of Radiodiagnosis and Imaging, Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh, India

**Nitin Sudhakar Shetty** Department of Interventional Radiology, Tata Memorial Centre, Homi Bhabha National Institute, Mumbai, India

**Nishant Singla, DNB, PDCC** Interventional Radiology, Sarvodaya Hospital and Research Centre, Faridabad, Haryana, India

**Arpit Taunk** Apollomedics Hospital, Lucknow, Uttar Pradesh, India

**Ashish Verma** Department of Radiodiagnosis and Imaging, Institute of Medical Sciences, Banaras Hindu University, Varanasi, India

**Ajit Kumar Yadav** Department of Interventional Radiology, Sir Ganga Ram Hospital, New Delhi, India