Imaging of Parasitic Diseases

Foreword by Albert L. Baert

With 426 Figures, 37 in Colour and 28 Tables and Boxes
This book is dedicated to our parents, families, teachers, and residents.  

M.C. Haddad  
M.E. Abd El Bagi  
J.C. Tamraz

I dedicate this book to my great teachers Professor Rafic Melhem (†), Professor Ghassan Rizk (†), and Dr. Chahine Abou Sleiman from Lebanon, and to Professor Kenneth Evans and Professor Geraint Roberts from the UK.

To my wife Roula, my son Rodrigue, and my daughter Tamara.  

M.C. Haddad

To the soul of my mother, who wished me maximal success; to my father, the symbol of integrity; to my wife for everlasting support; and to my children, who are my beacons of hope.

M.E. Abd El Bagi

To my wife Claire, and my daughters Caroline and Eve.  

J.C. Tamraz
This volume offers a comprehensive overview of modern radiological imaging in patients with parasitic diseases. Its contents systematically cover all body organs. Each topic is introduced by concise but essential information about the pathogens, epidemiology, mode of transmission, pathology, clinical symptoms and laboratory diagnosis to be followed by a complete description of imaging features including classical X-ray as well as the modern cross-sectional techniques such as US, CT and MRI. Numerous excellent illustrations are available as well as tables summarizing key features and relevant clinical data for differential diagnosis.

The editor, Maurice C. Haddad, and the co-editors, Jean C. Tamraz and Mohamed E. Abd El Bagi, are assisted by a group of internationally well known experts in the field of radiological imaging of infectious diseases, particularly parasitic infections. I would like to congratulate the editors of this superb work which is a most welcome and much needed update of our knowledge on radiological imaging of parasitic diseases. It will fill a specific gap in the medical literature.

I am convinced that it will be of great interest for radiologists worldwide. Indeed, due to our actual lifestyle, frequent travelling as well as migration of the population, parasitic diseases are no longer primarily confined to some geographical areas of the world.

This work is highly recommended not only to radiologists but also to other clinicians involved in the management of patients with infectious diseases.

Albert L. Baert
The idea of publishing a book came into my mind (M.C.H.) when a few years ago I submitted a manuscript entitled “Imaging of Parasitic Diseases of the Hepato-biliary System” for publication in the major prestigious radiology journals. The manuscript was rejected, but an anonymous reviewer commented that the manuscript would be more suitable for publication as a chapter in a book. I took up the challenge and began the search for co-editors and authors to write other chapters. At this point, I would like to thank the reviewer for giving me the idea and throwing down the challenge.

The aim of this book is to introduce the concept of “Imaging of Infection,” which includes bacterial, viral, fungal, and parasitic infections. The concept of “Tropical Radiology” is no longer valid; the term is actually a misnomer that has been propagated by generations of the medical profession for many years. This volume is limited to the description of the imaging findings of parasitic diseases only. Parasitic diseases are not confined only to the tropical and subtropical areas; indeed, they are increasing worldwide because of travel, immunosuppression, and other behavioral and living deficiencies, especially poor hygiene and sanitation. Some of these diseases are prevalent or clustered in poor or developing countries, but the majority are encountered worldwide, even in industrialized and developed countries.

In the radiologic bibliography, there is a shortage of books on the subject of “Imaging of Infection.” This book is intended to partly rectify this shortfall and is aimed at radiologists all over the world.

Maurice C. Haddad
Mohamed E. Abd El Bagi
Jean C. Tamraz
It is obvious that this volume could not have been put together without the significant contributions of several friends and colleagues who provided material and images for illustration, citing Dr. Nabil Khoury, Prof. Halim Saad, Prof. Fadi Mourad, Prof. Ala’ Sharara, Dr. Ghina Birjawi, Dr. Nadim Kanj, Dr. Claire Ouitin-Tamraz, Dr. Salam Koussa, Prof. Nuha Nuwayri-Salti, Prof. Mukbil Hourani, Dr. Zaher Chakhachiro, Dr. Ayman Tawil, Dr. Bassam Sammak, and Dr. Nabil Ammouri from Lebanon; Dr. Said Huwayjeh and Dr. Fayez Sandouk from Syria; Dr. Mohammad Al-Karawi, Dr. A.E. Mohamed, Dr. A. Haleem, Dr. A. Saeed, Dr. Mohammad Al Thagafi, Dr. Mona Al Shahed, Dr. Mohammad Al Mutairi, Dr. A. Muntashri, Dr. F. El Zein, Dr. A. Al Onazi, Dr. F. Hamid, Dr. A. Shaaban, Dr. M. Babiker, Dr. Jawda Nabulsi, and Dr. Mohamed El Sheikh from Saudi Arabia; Dr. Antonio Menezes da Silva from Portugal; Dr. Leandro Tavares Lucato, Dr. Lidia Mayumi Nagae Poetscher, and Dr. Dany Jasinowodolsinski from Brazil; Prof. Elias Melhem, Prof. Philip Goodman, Prof. Gordon Gamsu, and Prof. Edward Patz from the United States; Dr. Sung-Jong Hong from Korea; Dr. Fortunato Juarez from Mexico, and Prof. Thomas Franquet from Spain.

The material has been collected over the past 20 years from major medical institutions in the Middle East and the USA.

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