
Pathology of Peritoneal Metastases

Olivier Glehen • Aditi Bhatt
Editors

Pathology of Peritoneal Metastases

The Uncharted Fields

 Springer

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Preface

This is a book on pathology of peritoneal metastases that has been edited and largely authored by surgeons which is unusual. Peritoneal surface oncology is a field that has always been at the cross roads—in the early years of evolution of surgical treatment, hyperthermia was being increasingly used to potentiate cancer therapy and thus was combined with the surgical treatment of peritoneal metastases, that is, cytoreductive surgery. The surgery itself had to prove its merit over systemic therapies and was burdened with proving the merit of another treatment that added to the morbidity. Similarly, disease biology was only partially understood and remains a major challenge for future progresses. While the prognostic factors were still being identified, and validated, oncology ushered into the era of genetics and molecular biology. And the gaps in understanding the pathophysiology of peritoneal metastases persisted. Pathological expertise has largely been directed at the diagnosis and classification of uncommon tumors.

During cytoreductive surgery that comprises of peritonectomy procedures and visceral resections, a large amount of tissue is submitted for histopathological evaluation. This remains a potential source of prognostic information regarding tumor biology. It provides a good opportunity to also study the patterns and pathways of peritoneal dissemination from various tumors.

In this book, we use these pathological findings to better explain the patterns and pathways of peritoneal cancer dissemination and their potential implications on clinical practice. We provide a rationale and recommendations for standardizing CRS procedures and evaluation of surgical specimens. In turn, we raise research question that can be addressed in future studies.

Some of the other aspects of pathological evaluation like pathological response to chemotherapy, diagnosis and classification of rare peritoneal tumors have also been covered in different chapters. Keeping in sync with the progress in molecular oncology, we look at the role of molecular oncology in the current and future management of peritoneal metastases.

We are grateful to all the contributors for lending their time and expertise to this book. We are also grateful to our pathology colleagues for their invaluable contribution to this work.

3 December 2019

Olivier Glehen
Aditi Bhatt

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About the Editors

Olivier Glehen is a world renowned expert in peritoneal surface oncology and a member of the executive committee of the peritoneal surface oncology group international (PSOGI). He is the head of the General and Oncologic Surgery Department at Centre Hospitalier Lyon Sud (Hospices Civils de Lyon) and at the Lyon Sud Charles Mérieux Medical Faculty. His centre is one of centres that have pioneered the surgical treatment of peritoneal metastases in the world. He is director of the Peritoneal Carcinomatosis Research Group from the EMR 3738 (Claude Bernard Lyon 1 University).

He has published extensively about peritoneal metastases. He is at the head of RENAPE (French Network on rare peritoneal tumours) and BIG-RENAPE groups (National Clinic-Biological Database on Digestive Peritoneal Carcinomatosis). He is associate editor of European Journal of Surgical Oncology, Journal of Surgical Oncology and Journal of Peritoneum. Professor Glehen is one of the directors of the Inter-University Diploma on Peritoneal Carcinomatosis in France and his centre is a reference centre for the European Society of Peritoneal Surface Oncology (ESPSO) certified fellowship in peritoneal surface oncology. His centre performs more than 200 cytoreductive surgery and HIPEC (Hyperthermic Intraperitoneal Chemotherapy) procedures a year and is also one of the leading centers in the world that is developing PIPAC (Pressurized Intraperitoneal Aerosol Chemotherapy).

Aditi Bhatt is an Indian surgical oncologist specializing in the management of peritoneal surface malignancies with an experience of 10 years in the same. She is one of the founding members of the Society of peritoneal surface oncology, India, the Indian HIPEC registry and serves as the honorary secretary of the Asian Peritoneal Surface Malignancy Group.

She has published several scientific papers on the subject, edited two special issues of the Indian Journal of Surgical Oncology on the same and edited a book on peritoneal surface malignancies.