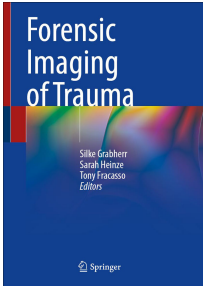


FORENSIC IMAGING OF TRAUMA

	Autor: Grabherr
	ISBN: 9783031483806
	Páginas: 183
	Año: 2024
	Edición: 1
	Idioma: Ingles
	Disponible: De 7 a 10 Días
Precio: 109.62 104.14 <small>Iva no incluido</small>	

DESCRIPTION:

Forensic Imaging is increasingly gaining importance in post-mortem and medico-legal investigations, particularly in cases of trauma. Indeed, the digitization of a body, serving as evidence in court, has become standard practice in many countries. To analyze forensic images effectively, one must possess expertise not only in radiological interpretation but also in understanding post-mortem changes as well as the morphology of lesions and their medico-legal implications. Neither of the two disciplines involved, Radiology and Forensic Medicine, can fully provide the necessary knowledge individually. Hence, Forensic Radiology is now recognized as a discipline that integrates both specializations. This book aims to bridge the gap between these two fields by elucidating the morphology of specific trauma-related lesions. It seeks to assist in identifying these lesions in forensic images and interpreting them accurately from a medico-legal perspective.

The introductory chapter clarifies the distinctions between radiological interpretation and medico-legal imaging interpretation. It subsequently presents various techniques used in Forensic Imaging, outlining their respective advantages and limitations. Furthermore, this book is the first to comprehensively cover various types of trauma encountered in forensic medicine, including blunt trauma, sharp trauma, ballistic trauma, thermal trauma and explosions. A separate chapter is dedicated to each of them. Additionally, it addresses specific commonly observed cases such as traffic accidents, asphyxia and child abuse in dedicated chapters.

Each chapter provides a concise summary of the essential medico-legal background and knowledge crucial for the final interpretation. It then outlines the appropriate radiological techniques for investigating the specific trauma and offers practical tips for image acquisition. Radiological findings are subsequently listed and illustrated in corresponding figures. Finally, the book explains the medico-legal interpretation of the observed findings and provides guidance on how to report them.

This book represents a pioneering effort to amalgamate the knowledge of forensic medicine and radiology regarding the interpretation of various trauma cases. It serves as a valuable handbook for every practitioner in this field, offering practical insights from image acquisition to the ultimate interpretation of collected data.

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