



Forensic medicine of the lower extremity : human identification and trauma analysis of the thigh, leg, and foot /

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Monografía

The lower extremity is a tremendously variable anatomic region that can be used to establish individual identity, or, if damaged, can be used to reconstruct antemortem, perimortem, and postmortem trauma. In Forensic Medicine of the Lower Extremity: Human Identification and Trauma Analysis of the Thigh, Leg, and Foot, leading forensic authorities rigorously review both the scientific and practical aspects of human identification, trauma analysis, and biomechanics of lower extremity as encountered in decomposed or dismembered individuals, mass casualty situations, and human rights abuse investigations. On the scientific side, the authors describe the biochemical events of decomposition, detail the use of radiology to facilitate identification and evaluate trauma, and explain principles of osteology, with an emphasis on the implications for skeletal anatomy for age, sex, race, and height estimation. On the practical side, they apply these approaches to trauma analysis and accident reconstruction, including slip-and-fall incidents, impact, traffic, and pediatric injuries, and considerations of foot and footprint identification. Specific case studies discuss the identification process using the foot and ankle and illuminate the forensic potential of feet, footwear, and barefoot impression evidence. Authoritative and copiously illustrated, Forensic Medicine of the Lower Extremity: Human Identification and Trauma Analysis of the Thigh, Leg, and Foot comprehensively reviews the basic process of forensic identification, trauma investigation, and accident reconstruction of the lower extremity

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