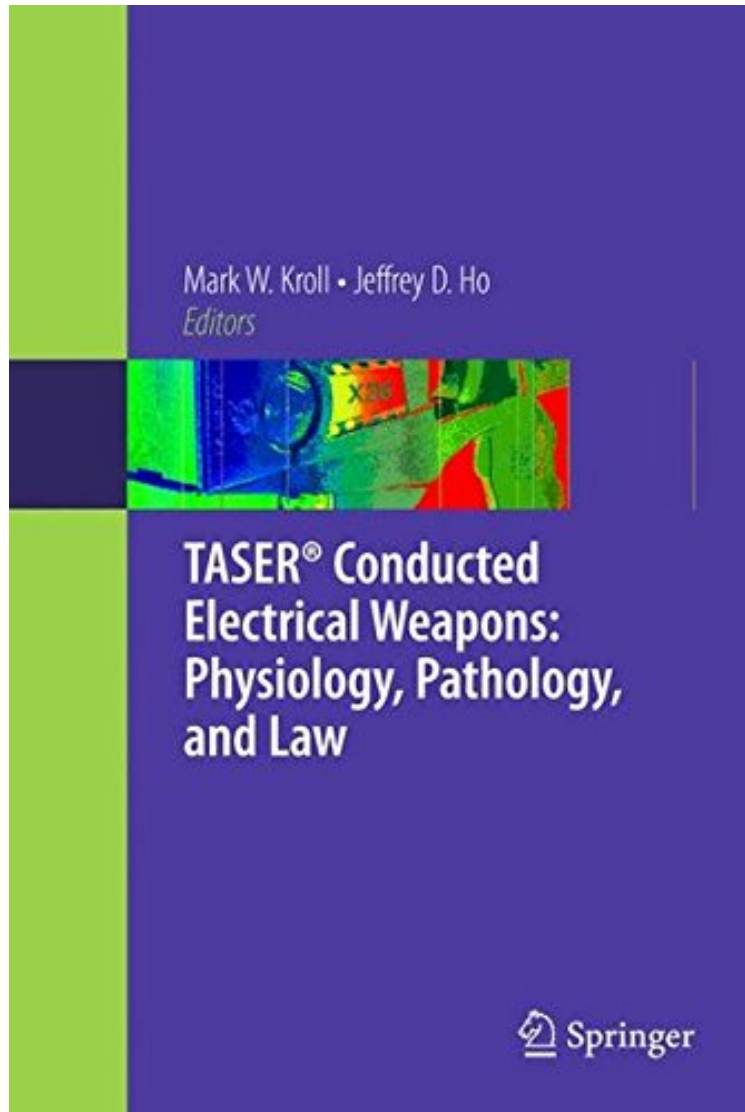


[Read and download] TASER Conducted Electrical Weapons: Physiology, Pathology, and Law

# TASER Conducted Electrical Weapons: Physiology, Pathology, and Law

*From Brand: Springer*  
*audiobook / \*ebooks / Download PDF / ePub / DOC*



DOWNLOAD



+

READ ONLINE

#3397121 in Books Springer 2009-03-19 Original language: English PDF # 1 9.30 x .90 x 6.30l, 2.05 #File Name: 0387854746458 pages | File size: 39.Mb

**From Brand: Springer :** TASER Conducted Electrical Weapons: Physiology, Pathology, and Law before purchasing it in order to gauge whether or not it would be worth my time, and all praised TASER Conducted Electrical Weapons: Physiology, Pathology, and Law:

1 of 1 people found the following review helpful. Very critical reading for LEO risk mgt and training officers By R. D. Fraser I ordered this book not knowing exactly what audience it would suit best to and frankly, after reading this it is a

very important part of putting a risk management and litigation prevention or minimal impact to street officers who would not understand a lot of the electro-physiology effects and what actually happens when the unit is deployed in a situation where the use of a firearm would be justified but other means were at an individual officers (or private citizen) using a TASER ECD in a critical situation. This book is absolutely paramount reading and incorporation of a departments use of force doctrine. The book contains extremely well composed, long term data and real-life studies that should be incorporated into the training and certification of an officer using such a device in the field. I learned quite a bit in reading it and be assured, a plaintiff's attorney will likely have this in his hands as well. The physical, moral, legal and ethical deployment is obviously a departments choice in ECD use. There are MANY parts of this book every officer should be clearly tested upon the ramifications of use and the fallout that will ensue 99% of the time one is deployed. (I am a former street officer who went to the Federal law enforcement realm) This device has proved itself as a viable tool to avoid a less than lethal option when very few are available and when the only other option would be to transition to a lethal use of a firearm - justified- but the ECD covers a lot of the "Grey area" in the circle of force. This device has prevented me on three separate events the option not to transition to my sidearm and possibly kill the suspect. The book covers areas such as subjects on mind-altering drug influence, effect, lack of effect, mis-fires, failure to penetrate and datum in respect to such subjects in great details. Everything from reasonable use to cardiac issues, subjects in varied health states and medical data is supplied in detail. This book is not for the average patrol officer but those in the charge of policy, risk mgt, emergency responder information, medical and legal data in great form. While the devices have gained negative notice by todays media this book should be part of every department and legal dept. as well. This is not intended to be a overall synopsis of the book or contents. Just my proverbial "two cents" in respect to this subject. The certification to carry class I took several years ago failed to mention several key issues covered in this publication. If you are a LEO or training officer or considering deployment of the devices to the sworn officers this is absolutely mandatory reading and get a legal pad and have questions for your legal team and medical facilitator. Even private citizens now availed with the C2 version would benefit greatly from this book. This is truly a example of "where the pen is mightier than the sword" is used in context. I am thoroughly impressed by the vast knowledge in both pro and con presentation given and this is a medium that should be available to all persons who opt to incorporate this into ones defense options. The book is a bit pricy but can be found for less but it's a LOT more cost effective than an attorney at your throat in a civil action. I strongly encourage management staff to review this book and find it's merits on your own. There are a ton there and with all the options at our disposal this tends to be the most deployed before lethal means are used as a measure of protecting the officer or legally armed person in control of an ECD. Respectfully submitted, SA, Robert Fraser USMS. SRT, Chicago IL.3 of 3 people found the following review helpful. A thorough analysis by an incredible number of expertsBy S. AshleyI have never posted a review before, but this book cries out for one. There are very few books that speak to the issues surrounding the use of conducted electrical weapons, and this is the first I've seen that looks at the width and breadth of the issues. This collection of information is now -- and probably will be for the foreseeable future -- the definitive aggregation of information on CEWs and their use.Doctors Kroll and Ho have provided a great service to the law enforcement community, the legal community, the research community, and society at large, by pulling this information together. Yes, much of it is scholarly and detailed, but that is one element that is missing from much of the earlier literature in this field.This book belongs on the shelf of every police trainer, administrator, researcher, attorney, and government policy maker, that has any interest in CEW issues.4 of 5 people found the following review helpful. Review From The Journal Of Academic Emergency MedicineBy EveritasWhile I have some familiarity with TASER Conducted Electrical Weapons and have read the book, I believe the following review from the Journal Of Academic Emergency Medicine says it ALL and better than I could."This 457-page book, edited by Mark Kroll, a biomedical engineer, and Jeffrey Ho, an emergency physician, is a unique and rather fascinating compendium of science, clinical medicine, and electrophysiology. It is peppered with editorial comment, personal experience, and historical data from law enforcement personnel from New York City and Los Angeles. It is also a primer on the law related to conducted electrical weapons (CEWs). The prototype CEW is the TASER. This device is universally embraced by law enforcement; remains hated, feared, and loathed by the general public; serves as the source of infinite curiosity for the legal system; and spawns prolific fodder for YouTube that simultaneously entertains the voyeur, tweaks the corda tendinae of the American Civil Liberties Union, and definitely flummoxes the lay press.The text is authored by over 50 contributors, including pathologists, toxicologists, veterans of law enforcement, emergency physicians, and engineers. Kroll and Ho have assembled more erudite snippets than one can likely absorb on the first reading. The TASER has become the standard nonlethal use-of-force tool for the majority of law enforcement agencies throughout the world, but euphemistically, it has been the source of much controversy. The authors generally succeed in demystifying the TASER with detailed scientific data and a believable rationale for its deployment and longevity that is supported by cogent interpretations of current studies and accepted physiology, all this with the aid of some basic science that remains inscrutable to most clinicians.As an actively practicing emergency physician, I particularly appreciate, and echo, the introduction where the editors lucidly state the obvious: the public is essentially clueless with regard to the challenges faced by law enforcement officers, prehospital medical personnel, and emergency physicians

who must protect and serve the general public in the hostile milieu of excited delirium. The danger to everyone from the onslaught of a gargantuanly strong 400-pound hapless raging lunatic in the ED is difficult and scary enough with grams of IV benzodiazepines in hand. Although empathetic, I am thankful not to be a police officer faced with such dangers on the street without a TASER. When your life is on the line, it does take some restraint to reach for the electric gun rather than one's trusty Glock. Although not an outright sycophant, this book does foster a generally positive tone, and some contributors are acknowledged consultants to TASER International, Inc. It includes the historical background of CEWs, as well as an overview of the forceful techniques and less reasonable alternatives often required by law enforcement officers to subdue violent and dangerous individuals as safely and quickly as possible. The potential adverse or untoward effects of CEWs are nicely examined via animal experiments and historical case reports, but despite the TASER's omnipresence, there is a paucity of human studies. It appears, however, that both the infamous Rodney King and this book's editors have been recipients of the TASER's output. The text explores cellular and cardiac physiology, contains a number of chapters on the toxicology of stimulants, and offers the pathologist's view of excited delirium. It would behoove all medical examiners to peruse this work prior to promulgating reports implicating law enforcement officers and CEWs as a direct cause of death in the scenario of excited delirium. All authors have their e-mail address listed, and I posit they are provided for ready communication. Contributors Jeffrey Ho, Theodore Chan, Robert Reardon, Donald Dawes, and Gary Vilke are no strangers to the emergency medicine literature, and their prior work with CEWs can be termed pioneering. The chapter on stimulant abuse and sudden cardiac death by Steven Karch, a well-known expert in this field, is brief but to the point and is nicely supplemented by a plethora of additional chapters on these topics. For the engineers in the audience, a variety of inscrutable electrical diagrams and charts are included but, sadly, electricity still befuddles me. I particularly enjoyed the chapters by Samuel Stratton and Charles Wetli on sudden unexpected death in custody and Michael Brave on the legal basics for the CEW. John Peters, founder for the Institute for the Prevention of In Custody Deaths, Inc., penned the aptly titled "Science and Logic Meet the Law." Michael White and Justin Ready relay the New York City/NYPD's many years of experience with the TASER. This book is a gem; you will not find such an in-depth treatise in any other source. It is a cornucopia of information, data, personal vignettes, and streetwise common sense. I suspect the most avid readers will be law enforcement personnel, toxicologists, emergency physicians, medical examiners, and of course, lawyers. One might intuit from this review that I really like this book. James R. Roberts, MD(JRoberts@MercyHealth.org)The Drexel University College of Medicine, the Department of Emergency Medicine Mercy Catholic Medical Center Philadelphia, PA"

TASER Conducted Electrical Weapons are rapidly replacing the club for law-enforcement control of violent subjects within many countries around the globe. A TASER CEW is a hand-held device that delivers a 400-volt pulse with a duration tuned to control the skeletal muscles without affecting the heart at a distance of up to 6.5 meters over tiny wires. If necessary, it begins with an arcing voltage of 50,000 V to penetrate thick clothing; the 50,000 V is never delivered to the body itself. Due to the widespread usage of these devices and the widespread misconceptions surrounding their operation, this book will have significant utility. This volume is written for cardiologists, emergency physicians, pathologists, law enforcement management, corrections personnel, and attorneys.

From the reviews: "It is a must-read for anyone who has contact with CEWs [conducted electrical weapons]." "From questions about electricity and the details of echocardiography to excited delirium and exercises in case law, this book covers it all." "Drs. Kroll and Ho did an outstanding job of combining the basics of CEWs with the intricate details without making the book unusually complicated." "...this book has facts and answers to many of the common questions surrounding CEWs as well as specialized information for the reader who wants to know the nuanced details." (Dr. Paul Nystrom, TASERs: Fact or Fiction, Emergency Medicine News, October 2009) "This book does an excellent job of pulling together a wide ranging variety of information about electronic control device technology, and its use. The information in this book is especially important for those in the law enforcement and professional communities. If you're serious about understanding electronic control devices, non-lethal force, and all of the other issues related to this field, you need to have this book on your shelf, and you need to be familiar with its contents." (Steve Ashley, ILEETA, Vol. 5 (4), October-December, 2009) "This 457-page book is a unique and rather fascinating compendium of science, clinical medicine, and electrophysiology. A primer on the law related to conducted electrical weapons (CEWs). This book is a gem; you will not find such an in-depth treatise in any other source. A cornucopia of information, data, personal vignettes, and streetwise common sense. Most avid readers will be law enforcement personnel, toxicologists, emergency physicians, medical examiners, and of course, lawyers. I really like this book." (James R. Roberts, Academic Emergency Medicine, November, 2009) Published in 2009, TASER Conducted Electrical Weapons: Physiology, Pathology, and the Law offers a comprehensive review of the TASER devices and an overview of in-custody events. The reader is able to travel with ease from the simple to the complex with well-written chapters that are complemented with tables, graphs, photos, and appendices. This book would be beneficial in preparation for trials, lectures, or completion of postmortem examinations of any in-custody death. (Ruth E.

Kohlmeier, American Journal of Forensic Medicine Pathology, October, 2010)From the Back CoverTASER Conducted Electrical Weapons are rapidly replacing the club for law-enforcement control of violent subjects within many countries around the globe. A TASER CEW is a hand-held device that delivers a 400-volt pulse with a duration tuned to control the skeletal muscles without affecting the heart at a distance of up to 6.5 meters over tiny wires. If necessary, it begins with an arcing voltage of 50,000 V to penetrate thick clothing; the 50,000 V is never delivered to the body itself. This book will have significant utility due to the widespread usage of these devices and questions regarding its operation. This volume is written for cardiologists, emergency physicians, pathologists, law enforcement management, corrections personnel, and attorneys. Mark W. Kroll, PhD is an Adj. Full Prof. of Biomedical Engineering at both the California Polytechnic University , and the University of Minnesota . He is also the co-editor of the books: Implantable Cardioverter Defibrillator Therapy, and Cardiac Bioelectric Therapy. Jeffrey D. Ho, MD is a Senior Faculty Physician in the Department of Emergency Medicine at Hennepin County Medical Center (Minneapolis, Minnesota) and is a Deputy Sheriff with the Meeker County Sheriff's Office (Minnesota). He is an EMS Medical Director in Minnesota and an Associate Professor of Emergency Medicine at the University of Minnesota.