

Please post the Bibliography of the 147 articles concerning **taser** found using the EMF Portal website:

Cerebrovascular accident (CVA) in association with a **TASER-induced electrical injury.**

Bell N, Moon M, Dross P (2014), Emerg Radiol 21 (2): 211 - 213

Exposure: **TASER**/electrical weapon, electric injuries/electrocution

Cardiac Changes Due to Electronic Control Devices? A Computer-Based Analysis of Electrical Effects at the Human Heart Caused by an ECD Pulse Applied to the Body's Exterior.

Kunz SN, Aronshtam J, Trankler HR, Kraus S, Graw M, Peschel O (2014), J Forensic Sci 59 (3): 659 – 664

Exposure: **TASER**/electrical weapon

DETAILS Effects of external electrical and magnetic fields on pacemakers and defibrillators: from engineering principles to clinical practice. **Review**

Beinart R, Nazarian S (2013), Circulation 128 (25): 2799 – 2809

Exposure: mobile phone, radio frequency field, microwaves, RF therapeutical/medical device, audio/video device, MRI, occupational exposure, residential exposure, personal exposure, **TASER**/electrical weapon

[Myocardial infarction after conduction electrical weapon shock].

Ben Ahmed H, Bouzouita K, Selmi K, Chelli M, Mokaddem A, Ben Ameer Y, Boujnah MR (2013), Ann Cardiol Angeiol (Paris) 62 (2): 124 - 126

Exposure: **TASER**/electrical weapon

****TASER** injury to the forehead.**

Chandler J, Martin BP, Graham Jr DD (2013), J Emerg Med 44 (1): e67 - e68

Exposure: **TASER**/electrical weapon

Letter by Heegaard et al regarding article, "Sudden cardiac arrest and death following application of shocks from a **TASER electronic control device".**

Heegaard WG, Halperin HR, Luceri R (2013), Circulation 127 (23): e260

Exposure: **TASER**/electrical weapon

Letter by Ho and Dawes regarding article, "Sudden cardiac arrest and death following application of shocks from a **TASER electronic control device".**

Ho JD, Dawes DM (2013), Circulation 127 (23): e259

Exposure: **TASER**/electrical weapon

The effects of continuous application of the **TASER X26 waveform on *Sus scrofa*.**

Jenkins Jr DM, Murray WB, Kennett MJ, Hughes EL, Werner JR (2013), J Forensic Sci 58 (3): 684 - 692

Exposure: **TASER**/electrical weapon

Catastrophic globe disruption as a result of a **TASER injury.**

Li JY, Hamill MB (2013), J Emerg Med 44 (1): 65 - 67

Exposure: personal exposure, **TASER**/electrical weapon

Assessment of the **TASER XREP blunt impact and penetration injury potential using cadaveric testing.**

Lucas SR, McGowan JC, Lam TC, Yamaguchi GT, Carver M, Hinz A (2013), J Forensic Sci 58: S60 - S68

Exposure: **TASER**/electrical weapon

Letter by Nanthakumar and Waxman regarding article, "sudden cardiac arrest and death following application of shocks from a **TASER electronic control device".**

Nanthakumar K, Waxman M (2013), Circulation 127 (23): e257

Exposure: [TASER](#)/electrical weapon

ICD oversensing caused by [TASER](#). [dev./impl.](#)

Paninski RJ, Marshall ME, Link MS (2013), J Cardiovasc Electrophysiol 24 (1): 101

Exposure: [TASER](#)/electrical weapon

TEMP [An evidence-based approach to electrical injuries in children.](#) [tmp](#)

Roberts S, Meltzer JA (2013), Pediatr Emerg Med Pract 10 (9): 1 - 16

Exposure: electric injuries/electrocution, lightning

Preliminary opinion on: Potential health effects of exposure to electromagnetic fields (EMF). [other](#)

SCENIHR (2013), European Commission: 1 - 219

Exposure: mobile communication system, mobile phone, analog mobile phone, cell phone base station, GSM, PCS, UMTS, LTE, NMT, TETRA/TETRAPOL, PDC, D-AMPS, CDMA, TDMA, W-CDMA, radio frequency field, microwaves, millimeter waves, UHF fields, terahertz fields, AM amplitude modulation, FM frequency modulation, PW (pulsed wave), Bluetooth, DECT, cordless phone, W-LAN/WiFi, Radio/TV transmitter, TV broadcast (VHF/UHF), FM broadcast, AM radio transmitters, DAB, DVB-T, RF therapeutical/medical device, EAS/RFID, PLC (power line communication), radar, microwave oven/heating device, 2.45 GHz, wireless transmitter (RF), electric field, magnetic field, static magnetic field, static electric field, 50/60 Hz (AC), DC, MRI, occupational exposure, [TASER](#)/electrical weapon

Letter by Vilke et al regarding article, "sudden cardiac arrest and death following application of shocks from a [TASER](#) electronic control device".

Vilke GM, Chan TC, Karch S (2013), Circulation 127 (23): e258

Exposure: [TASER](#)/electrical weapon

Response to letters regarding article, "sudden cardiac arrest and death following application of shocks from a [TASER](#) electronic control device.

Zipes DP (2013), Circulation 127 (23): e261 - e262

Exposure: [TASER](#)/electrical weapon

Correction: Sudden cardiac arrest and death following application of shocks from a [TASER](#) electronic control device.

Zipes DP (2013), Circulation 127 (23): e839

Exposure: [TASER](#)/electrical weapon

Transcardiac conducted electrical weapon ([TASER](#)) probe deployments: incidence and outcomes.

Bozeman WP, Teacher E, Winslow JE (2012), J Emerg Med 43 (6): 970 - 975

Exposure: signals/pulses, [TASER](#)/electrical weapon, electric injuries/electrocution

Conducted electrical weapon ([TASER](#)) use against minors: a shocking analysis.

Gardner AR, Hauda 2nd WE, Bozeman WP (2012), Pediatr Emerg Care 28 (9): 873 - 877

Exposure: [TASER](#)/electrical weapon, electric injuries/electrocution

Conducted electrical weapon incapacitation during a goal-directed task as a function of probe spread.

Ho J, Dawes D, Miner J, Kunz S, Nelson R, Sweeney J (2012), Forensic Sci Med Pathol 8 (4): 358 - 366

Exposure: [TASER](#)/electrical weapon, electric injuries/electrocution

[TASER](#) electronic control devices and eye injuries.

Kroll MW, Dawes DM, Heegaard WG (2012), Doc Ophthalmol 124 (2): 157 - 159

Exposure: [TASER](#)/electrical weapon

Defibrillation success rates for electrically-induced fibrillation: hair of the dog. (not peer reviewed)

Kroll MW, Fish RM, Calkins H, Halperin H, Lakkireddy D, Panescu D (2012), Conf Proc IEEE Eng Med Biol Soc 2012: 689 - 693

Exposure: occupational exposure, personal exposure, electric injuries/electrocution

Acute pathophysiological influences of conducted electrical weapons in humans: A review of current literature.

Kunz SN, Grove N, Fischer F (2012), Forensic Sci Int 221 (1-3): 1 - 4

Exposure: TASER/electrical weapon

Functioning and effectiveness of electronic control devices such as the TASER(R) M- and X-series: a review of the current literature.

Kunz SN, Zinka B, Fieseler S, Graw M, Peschel O (2012), J Forensic Sci 57 (6): 1591 - 1594

Exposure: TASER/electrical weapon

A brain penetration after Taser injury: controversies regarding Taser gun safety.

Le Blanc-Louvry I, Gricourt C, Toure E, Papin F, Proust B (2012), Forensic Sci Int 221 (1-3): e7 - 11

Exposure: TASER/electrical weapon

Interference of implanted cardiac pacemakers with TASER X26 dart mode application dev./impl.

Leitgeb N, Niedermayr F, Neubauer R (2012), Biomed Tech (Berl) 57 (3): 201 - 206

Exposure: TASER/electrical weapon

Risk of Pacemaker Patients by TASER X26 Contact Mode Application. dev./impl.

Leitgeb N, Niedermayr F, Neubauer R, Loos G (2012), J Electromagn Anal 4 (2): 96 - 100

Exposure: TASER/electrical weapon

DETAILS Electromagnetic interference and implanted cardiac devices: the nonmedical environment (part I). review

Misiri J, Kusumoto F, Goldschlager N (2012), Clin Cardiol 35 (5): 276 - 280

Exposure: mobile communication system, analog mobile phone, digital mobile phone, GSM, UMTS, microwaves, EAS/RFID, static magnetic field, intermediate frequency, metal detector gate, domestic appliance, occupational exposure, personal exposure, TASER/electrical weapon

Electronic control devices: science, law, and social responsibility.

Myerburg RJ, Goodman KW, Ringe 3rd TB (2012), Circulation 125 (20): 2406 - 2408

Exposure: TASER/electrical weapon

Response to TASER electronic control devices and eye injuries.

Sayegh RR, Madsen KA, Adler JD, Johnson MA, Mathews MK (2012), Doc Ophthalmol 124 (2): 161 - 162

Exposure: TASER/electrical weapon

Commentary on: Functioning and effectiveness of electronic control devices such as the TASER(R) M- and X-Series: a review of the current literature.

Strote J (2012), J Forensic Sci 57 (5): 1407

Exposure: TASER/electrical weapon

Correction: Sudden cardiac arrest and death following application of shocks from a TASER electronic control device.

Zipes DP (2012), Circulation 126 (2): e27

Exposure: TASER/electrical weapon

Sudden cardiac arrest and death following application of shocks from a **TASER** electronic control device.

Zipes DP (2012), *Circulation* 125 (20): 2417 - 2422

Exposure: **TASER**/electrical weapon

Sudden Cardiac Arrest and Death Associated with Application of Shocks from a **TASER** Electronic Control Device

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Abstract

Background—Rationale: The safety of electronic control devices (ECDs) has been questioned. The rationale for this submission was to analyze in detail cases of loss of consciousness associated with ECD deployment.

Methods and Results—Eight cases of **TASER** X26 ECD-induced loss of consciousness were studied. In each instance, when available, police, medical and emergency response records, ECD dataport interrogation, automated external defibrillator (AED) information, ECG strips, depositions, and autopsy results were analyzed. First recorded rhythms were ventricular tachycardia/fibrillation in six and asystole (after about 30 minutes of non-responsiveness) in one. An external defibrillator reported a "shockable rhythm" in one, but no recording was made. This report offers evidence regarding the mechanism by which an ECD can produce transthoracic stimulation resulting in cardiac electrical capture and ventricular arrhythmias leading to cardiac arrest.

Conclusions—ECD stimulation can cause cardiac electrical capture and provoke cardiac arrest due to ventricular tachycardia/ventricular fibrillation. After prolonged ventricular tachycardia/ventricular fibrillation without resuscitation, asystole develops.

Key Words: cardiac arrest sudden death ventricular fibrillation **TASER** electronic control device

Free Full text for educational purposes can be requested to the author here (after free log in):

https://www.researchgate.net/publication/224871280_Sudden_cardiac_arrest_and_death_following_application_of_shocks_from_a_TASER_electronic_control_device

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[Marks on the human and animal skin after contact with an electrical discharge device].

Burmatov AP, Bernatskikh TK, Zoroastrov OM, Lotter MG, Burmatov NA, Zoroastrov MO (2011), *Sud Med Ekspert* 54 (6): 41 - 43

Exposure: **TASER**/electrical weapon

Muscle contraction during electro-muscular incapacitation: A comparison between square-wave pulses and the **TASER((R)) X26 Electronic control device.**

Comeaux JA, Jauchem JR, Cox DD, Crane CC, D'Andrea JA (2011), J Forensic Sci 56: S95 - 100

Exposure: **TASER**/electrical weapon, electric injuries/electrocution

Response to "Acute agitated delirious state associated with **TASER exposure".**

Dawes DM, Ho JD, Cole JB (2011), J Natl Med Assoc 103 (9-10): 986 - 988

Exposure: **TASER**/electrical weapon

Commentary on: Jauchem J. Increased hematocrit after applications of conducted energy weapons (including **TASER devices) to *Sus scrofa*. J Forensic Sci 2011;56 (S1): S229-33.**

Dawes DM, Ho JD, Miner JR (2011), J Forensic Sci 56 (4): 1078

Exposure: **TASER**/electrical weapon

TEMP The respiratory, metabolic, and neuroendocrine effects of a new generation electronic control device. tmp

Dawes DM, Ho JD, Reardon RF, Strote SR, Nelson RS, Lundin EJ, Orozco BS, Kunz SN, Miner JR (2011), Forensic Sci Int 207 (1-3): 55 - 60

The Effect of an Electronic Control Device on Muscle Injury as Determined by Creatine Kinase Enzyme.

Dawes DM, Ho JD, Sweeney JD, Lundin EJ, Kunz SN, Miner JR (2011), Forensic Sci Med Pathol 7 (1): 3 - 8

Exposure: **TASER**/electrical weapon

Non-Fatal Conductive Energy Device-Related Injuries Treated in US Emergency Departments, 2005-2008.

Haileyesus T, Annest JL, Mercy JA (2011), Inj Prev 17 (2): 127 – 130

****TASER** Device-Induced Rhabdomyolysis is Unlikely.**

Ho JD, Dawes DM (2011), J Emerg Med 40 (1): 68 - 69

Exposure: **TASER**/electrical weapon

Absence of Electrocardiographic Change after Prolonged Application of a Conducted Electrical Weapon in Physically Exhausted Adults.

Ho JD, Dawes DM, Heegaard WG, Calkins HG, Moscati RM, Miner JR (2011), J Emerg Med 41 (5): 466 - 472

Exposure: **TASER**/electrical weapon, electric injuries/electrocution

Human cardiovascular effects of a new generation conducted electrical weapon.

Ho JD, Dawes DM, Reardon RF, Strote SR, Kunz SN, Nelson RS, Lundin EJ, Orozco BS, Miner JR (2011), Forensic Sci Int 204 (1-3): 50 - 57

Exposure: **TASER**/electrical weapon, electric injuries/electrocution

Increased hematocrit after applications of conducted energy weapons (including **TASER((R)) devices) to *Sus scrofa*.**

Jauchem JR (2011), J Forensic Sci 56: S229 - S233

Exposure: **TASER**/electrical weapon

Author's response: My response to Dr. Dawes et al.'s letter follows (owing to the U.S. Air Force Research Laboratory's approval process required of authors, the response could not be submitted to the Journal of Forensic Sciences in a timely manner.

Jauchem JR (2011), J Forensic Sci 56 (6): 1671 - 1672

Exposure: TASER/electrical weapon

Pathophysiologic Changes due to TASER(R) Devices Versus Excited Delirium: Potential Relevance to Deaths-in-Custody?

Jauchem JR (2011), J Forensic Leg Med 18 (4): 145 - 153

Exposure: electric injuries/electrocution

Survival of anesthetized Sus scrofa after cycling (7-second on/3-second off) exposures to an electronic control device for 3 minutes.

Jauchem JR, Seaman RL, Fines DA (2011), Am J Forensic Med Pathol 32 (2): 124 - 130

Exposure: TASER/electrical weapon

Ventricular Fibrillation Risk Estimation for Conducted Electrical Weapons: Critical Convolutions. (not peer reviewed)

Kroll MW, Lakkireddy D, Rahko PS, Panescu D (2011), Conf Proc IEEE Eng Med Biol Soc 2011: 271 - 277

Exposure: TASER/electrical weapon, electric injuries/electrocution

Cardiac fibrillation risk of TASER X-26 dart mode application.

Leitgeb N, Niedermayr F, Loos G, Neubauer R (2011), Wien Med Wochenschr 161 (23-24): 571 - 577

Exposure: TASER/electrical weapon, electric injuries/electrocution

Electronic control device exposure: a review of morbidity and mortality.

Pasquier M, Carron PN, Vallotton L, Yersin B (2011), Ann Emerg Med 58 (2): 178 - 188

Exposure: TASER/electrical weapon

[Analysis of death cases involved in TASER in the State of Maryland].

Ripple MG, Zhang X, Shen YW, Fowler D, Li L (2011), Fa Yi Xue Za Zhi 27 (5): 353 - 357

Exposure: TASER/electrical weapon

Reply to Drs. Ho and Dawes on: TASER Device-Induced Rhabdomyolysis is Unlikely.

Sanford JM (2011), J Emerg Med 40 (1): 69

Exposure: TASER/electrical weapon

Two Patients Subdued with a TASER(R) Device: Cases and Review of Complications.

Sanford JM, Jacobs GJ, Roe EJ, Terndrup TE (2011), J Emerg Med 40 (1): 28 - 32

Exposure: TASER/electrical weapon, electric injuries/electrocution

Diffuse retinal injury from a non-penetrating TASER dart.

Sayegh RR, Madsen KA, Adler JD, Johnson MA, Mathews MK (2011), Doc Ophthalmol 123 (2): 135 - 139

Exposure: TASER/electrical weapon

The TASER safety controversy.

Soleimanirahbar A, Lee BK (2011), Expert Rev Med Devices 8 (6): 661 - 663

Exposure: TASER/electrical weapon

Ventricular Fibrillation Threshold of Rapid Short Pulses. (not peer reviewed)

Walcott GP, Kroll MW, Ideker RE (2011), Conf Proc IEEE Eng Med Biol Soc 2011: 255 - 258

Exposure: TASER/electrical weapon, electric injuries/electrocution

Multi-organ effects of Conducted Electrical Weapons (CEW) - a review. (not peer reviewed)

Biria M, Bommana S, Kroll M, Panescu D, Lakkireddy D (2010), Conf Proc IEEE Eng Med Biol Soc 2010: 1266 - 1270

Exposure: TASER/electrical weapon

Effect of an Electronic Control Device Exposure on a Methamphetamine-Intoxicated Animal Model.

Dawes DM, Ho JD, Cole JB, Reardon RF, Lundin EJ, Terwey KS, Falvey DG, Miner JR (2010), Acad Emerg Med 17 (4): 436 - 443

Exposure: TASER/electrical weapon

Electrical characteristics of an electronic control device under a physiologic load: a brief report.

Dawes DM, Ho JD, Kroll MW, Miner JR (2010), Pacing Clin Electrophysiol 33 (3): 330 - 336

Exposure: TASER/electrical weapon, electric injuries/electrocution

Echocardiographic evaluation of TASER X26 probe deployment into the chests of human volunteers.

Dawes DM, Ho JD, Reardon RF, Miner JR (2010), Am J Emerg Med 28 (1): 49 - 55

Exposure: TASER/electrical weapon, electric injuries/electrocution

The cardiovascular, respiratory, and metabolic effects of a long duration electronic control device exposure in human volunteers.

Dawes DM, Ho JD, Reardon RF, Miner JR (2010), Forensic Sci Med Pathol 6 (4): 268 - 274

Exposure: TASER/electrical weapon

Acute agitated delirious state associated with Taser exposure.

Feeney C, Vu J, Ani C (2010), J Natl Med Assoc 102 (12): 1254 - 1257

Exposure: TASER/electrical weapon, electric injuries/electrocution

Physiologic effects of prolonged conducted electrical weapon discharge in ethanol-intoxicated adults.

Moscato R, Ho JD, Dawes DM, Miner JR (2010), Am J Emerg Med 28 (5): 582 - 587

Exposure: TASER/electrical weapon

Ventricular Fibrillation in a Man Shot with a Taser.

Naunheim RS, Treaster M, Aubin C (2010), Emerg Med J 27 (8): 645 - 646

Exposure: TASER/electrical weapon

TaserX26 Current Increases with Dart Depth.

Nimunkar AJ, Webster JG (2010), Physiol Meas 31 (10): 1381 - 1393

Medical implications of the Taser.

Payne-James J, Sheridan B, Smith G (2010), BMJ 340: 608 - 609

Exposure: TASER/electrical weapon

Conducted electrical weapon use by law enforcement: an evaluation of safety and injury.

Strote J, Walsh M, Angelidis M, Basta A, Hutson HR (2010), J Trauma 68 (5): 1239 - 1246

Exposure: TASER/electrical weapon

Immediate Cardiovascular Effects of the Taser X26 Conducted Electrical Weapon.

Bozeman WP, Barnes Jr DG, Winslow 3rd JE, Johnson 3rd JC, Phillips CH, Alson R (2009), Emerg Med J 26 (8): 567 - 570

Exposure: TASER/electrical weapon, electric injuries/electrocution

Safety and injury profile of conducted electrical weapons used by law enforcement officers against criminal suspects.

Bozeman WP, Hauda 2nd WE, Heck JJ, Graham Jr DD, Martin BP, Winslow JE (2009), Ann Emerg Med 53 (4): 480 - 489

Exposure: TASER/electrical weapon

In reply: Conducted Electrical Weapon Injuries Must Be More Broadly Considered.

Bozeman WP, Winslow 3rd JE, Hauda 2nd WE (2009), Ann Emerg Med 54 (2): 311 - 312

Exposure: TASER/electrical weapon

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Acute Stress Cardiomyopathy and Deaths Associated with Electronic Weapons.

Cevik C, Otaibachi M, Miller E, Bagdure S, Nugent KM (2009), Int J Cardiol 132 (3): 312 - 317

Exposure: electric injuries/electrocution

Electromuscular incapacitation results from stimulation of spinal reflexes. med./biol.

Despa F, Basati S, Zhang ZD, D'Andrea J, Reilly JP, Bodnar EN, Lee RC (2009), Bioelectromagnetics 30 (5): 311 - 321

Exposure: TASER/electrical weapon

Public risk from tasers: unacceptably high or low enough to accept?

Hall CA (2009), CJEM 11 (1): 84 - 86

Exposure: TASER/electrical weapon

Ophthalmic injuries from a TASER.

Han JS, Chopra A, Carr D (2009), CJEM 11 (1): 90 - 93

Exposure: TASER/electrical weapon

Pneumothorax as a complication after TASER activation.

Hinchey PR, Subramaniam G (2009), Prehosp Emerg Care 13 (4): 532 - 535

Exposure: TASER/electrical weapon

Authors' reply: TASER study results do not reflect real-life restraint situations.

Ho JD, Dawes DM (2009), Am J Emerg Med 27 (6): 747 - 749

Exposure: TASER/electrical weapon

Prolonged TASER use on Exhausted Humans does not Worsen Markers of Acidosis.

Ho JD, Dawes DM, Bultman LL, Moscati RM, Janchar TA, Miner JR (2009), Am J Emerg Med 27 (4): 413 - 418

Exposure: TASER/electrical weapon, electric injuries/electrocution

Cardiac effects of varying pulse charge and polarity of TASER conducted electrical weapons. (not peer reviewed)

Kroll MW, Panescu D, Carver M, Kroll RM, Hinz AF (2009), Conf Proc IEEE Eng Med Biol Soc 1: 3195 - 3198

Exposure: TASER/electrical weapon, electric injuries/electrocution

TASER Usage and Neurological Sequelae.

Lim EC, Seet RC (2009), J Emerg Med 37 (2): 170 - 171

Exposure: TASER/electrical weapon

Electrical parameters of projectile stun guns. (not peer reviewed)

McDaniel WC, Benwell A, Kovaleski S (2009), Conf Proc IEEE Eng Med Biol Soc 2009: 3184 - 3187

Exposure: TASER/electrical weapon, electric injuries/electrocution

Safety of pulsed electric devices.

Nimunkar AJ, Webster JG (2009), Physiol Meas 30 (1): 101 - 114

Exposure: TASER/electrical weapon, electric injuries/electrocution

A Shocking Episode: Care of Electrical Injuries. (not peer reviewed)

Primavesi R (2009), Can Fam Physician 55 (7): 707 - 709

Exposure: personal exposure, TASER/electrical weapon, electric injuries/electrocution

Best evidence topic reports. Bet 2: Cardiac monitoring in adults after taser discharge.

Rechtin C, Jones JS (2009), Emerg Med J 26 (9): 666 - 667

Exposure: signals/pulses, TASER/electrical weapon

Review Article: Emergency Department Implications of the TASER.

Robb M, Close B, Furyk J, Aitken P (2009), Emerg Med Australas 21 (4): 250 - 258

Exposure: electric injuries/electrocution

Successful resuscitation of a patient in asystole after a TASER injury using a hypothermia protocol.

Schwarz ES, Barra M, Liao MM (2009), Am J Emerg Med 27 (4): 515.e1 - 515.e2

Exposure: TASER/electrical weapon

TASER study results do not reflect real-life restraint situations.

Strote J, Hutson HR (2009), Am J Emerg Med 27 (6): 747 - 749

Exposure: personal exposure, TASER/electrical weapon

Conducted electrical weapon injuries must be more broadly considered.

Strote J, Hutson HR (2009), Ann Emerg Med 54 (2): 310 - 312

Exposure: TASER/electrical weapon

Presenting rhythm in sudden deaths temporally proximate to discharge of TASER conducted electrical weapons.

Swerdlow CD, Fishbein MC, Chaman L, Lakkireddy DR, Tchou P (2009), Acad Emerg Med 16 (8): 726 - 739

Exposure: TASER/electrical weapon

Pharyngeal perforation secondary to electrical shock from a Taser gun.

Al-Jarabah M, Coulston J, Hewin D (2008), Emerg Med J 25 (6): 378

Exposure: TASER/electrical weapon

15-Second conducted electrical weapon exposure does not cause core temperature elevation in non-environmentally stressed resting adults.

Dawes DM, Ho JD, Johnson MA, Lundin E, Janchar TA, Miner JR (2008), Forensic Sci Int 176 (2-3): 253 - 257

Exposure: TASER/electrical weapon, electric injuries/electrocution

Electrical injuries: etiology, pathophysiology and mechanism of injury.

Dzhokic G, Jovchevska J, Dika A (2008), Maced J Med Sci 1 (2): 54 - 58

Exposure: occupational exposure, personal exposure, TASER/electrical weapon, electric injuries/electrocution, lightning

Conductive electrical devices: a prospective, population-based study of the medical safety of law enforcement use.

Eastman AL, Metzger JC, Pepe PE, Benitez FL, Decker J, Rinnert KJ, Field CA, Friese RS (2008), J Trauma 64 (6): 1567 - 1572

Exposure: personal exposure, TASER/electrical weapon

Echocardiographic Evaluation of a TASER-X26 Application in the Ideal Human Cardiac Axis.

Ho JD, Dawes DM, Reardon RF, Lapine AL, Dolan BJ, Lundin EJ, Miner JR (2008), Acad Emerg Med 15 (9): 838 - 844

Exposure: TASER/electrical weapon, electric injuries/electrocution

Physiological effects of the taser.

Koscove EM (2008), Ann Emerg Med 52 (1): 85

Exposure: TASER/electrical weapon

Sensitive Swine and TASER Electronic Control Devices.

Kroll MW, Calkins H, Luceri RM, Graham MA, Heegaard WG (2008), Acad Emerg Med 15 (7): 695 - 669

Exposure: TASER/electrical weapon

Cardiac effects of electrical stun guns: does position of barbs contact make a difference?

Lakkireddy D, Wallick D, Verma A, Ryschon K, Kowalewski W, Wazni O, Butany J, Martin D, Tchou PJ (2008), Pacing Clin Electrophysiol 31 (4): 398 - 408

Exposure: TASER/electrical weapon, electric injuries/electrocution

Taser and Taser associated injuries: a case series.

Mangus BE, Shen LY, Helmer SD, Maher J, Smith RS (2008), Am Surg 74 (9): 862 - 865

Exposure: TASER/electrical weapon

Theoretical possibility of ventricular fibrillation during use of TASER neuromuscular incapacitation devices. (not peer reviewed)

Panescu D, Kroll MW, Stratbucker RA (2008), Conf Proc IEEE Eng Med Biol Soc 2008: 5671 - 5674

Exposure: theoretical study, TASER/electrical weapon

Uncommon cause of death: the use of taser guns in South Florida.

Pidgeon KC, Bragg S, Ball K, Meltzer T (2008), J Emerg Nurs 34 (4): 305 - 307

Exposure: TASER/electrical weapon

Thoracic spine compression fracture after TASER activation.

Sloane CM, Chan TC, Vilke GM (2008), J Emerg Med 34 (3): 283 - 285

Exposure: TASER/electrical weapon

Taser safety remains unclear.

Strote J, Hutson HR (2008), Ann Emerg Med 52 (1): 84 - 85

Exposure: TASER/electrical weapon

Taser X26 discharges in swine: ventricular rhythm capture is dependent on discharge vector. (discussion included)

Valentino DJ, Walter RJ, Dennis AJ, Margeta B, Starr F, Nagy KK, Bokhari F, Wiley DE, Joseph KT, Roberts RR (2008), J Trauma 65 (6): 1478 - 87

Exposure: TASER/electrical weapon, electric injuries/electrocution

Twelve-lead electrocardiogram monitoring of subjects before and after voluntary exposure to the Taser X26.

Vilke GM, Sloane C, Levine S, Neuman T, Castillo E, Chan TC (2008), Am J Emerg Med 26 (1): 1 - 4
Exposure: [TASER](#)/electrical weapon, electric injuries/electrocution

Author reply on: Physiological effects of the [taser](#).

Vilke GM, Sloane CM, Neuman T, Castillo EM, Chan TC, Kolkhorst F (2008), Ann Emerg Med 52 (1): 85 - 86

Exposure: [TASER](#)/electrical weapon

[TASER X26 discharges in swine produce potentially fatal ventricular arrhythmias.](#)

Walter RJ, Dennis AJ, Valentino DJ, Margeta B, Nagy KK, Bokhari F, Wiley DE, Joseph KT, Roberts RR (2008), Acad Emerg Med 15 (1): 66 - 73

Exposure: [TASER](#)/electrical weapon, electric injuries/electrocution

[Taser Blunt Probe Dart-to-Heart Distance Causing Ventricular Fibrillation in Pigs.](#)

Wu JY, Sun H, O'Rourke AP, Huebner SM, Rahko PS, Will JA, Webster JG (2008), IEEE Trans Biomed Eng 55 (12): 2768 - 2771

Exposure: [TASER](#)/electrical weapon, electric injuries/electrocution

Erratum: [Taser-Induced Rapid Ventricular Myocardial Capture Demonstrated by Pacemaker Intracardiac Electrograms](#) [erratum](#)

(2008), J Cardiovasc Electrophysiol 19 (9): 1008

Exposure: [TASER](#)/electrical weapon

[Taser-induced rapid ventricular myocardial capture demonstrated by pacemaker intracardiac electrograms.](#) [dev./impl.](#)

Cao M, Shinbane JS, Gillberg JM, Saxon LA, Swerdlow CD (2007), J Cardiovasc Electrophysiol 18 (8): 876 - 879

Exposure: [TASER](#)/electrical weapon

Acute effects of [TASER X26 discharges in a swine model.](#)

Dennis AJ, Valentino DJ, Walter RJ, Nagy KK, Winners J, Bokhari F, Wiley DE, Joseph KT, Roberts RR (2007), J Trauma 63 (3): 581 - 590

Exposure: [TASER](#)/electrical weapon, electric injuries/electrocution

Reply on: [Taser Research in Pigs Not Helpful / Electronic Control Devices and the Clinical Milieu.](#)

Dorian P, Nanthakumar K (2007), J Am Coll Cardiol 49 (6): 732 - 733

Exposure: [TASER](#)/electrical weapon

Respiratory effect of prolonged electrical weapon application on human volunteers.

Ho JD, Dawes DM, Bultman LL, Thacker JL, Skinner LD, Bahr JM, Johnson MA, Miner JR (2007), Acad Emerg Med 14 (3): 197 - 201

Exposure: [TASER](#)/electrical weapon

Electromagnetic Modelling of Current Flow in the Heart from [TASER](#) Devices and the Risk of Cardiac Dysrhythmias.

Holden SJ, Sheridan RD, Coffey TJ, Scaramuzza RA, Diamantopoulos P (2007), Phys Med Biol 52 (24): 7193 - 7209

Can the direct cardiac effects of the electric pulses generated by the [TASER X26](#) cause immediate or delayed sudden cardiac arrest in normal adults?

Ideker RE, Dossdall DJ (2007), Am J Forensic Med Pathol 28 (3): 195 - 201

Exposure: [TASER](#)/electrical weapon, electric injuries/electrocution

Reply of the author: Acidosis, lactate, electrolytes, muscle enzymes, and other factors in the blood of Sus scrofa following repeated TASER exposures.

Jauchem JR (2007), Forensic Sci Int 168 (1): e19

Exposure: TASER/electrical weapon

A very interesting case study involving a TASER Conducted Electrical Weapon (CEW) used on a patient with a pacemaker. comment

Kroll M, Luceri RM, Calkins H (2007), J Cardiovasc Electrophysiol 18 (12): E 29 - E 30

Exposure: TASER/electrical weapon

Electronic Control Devices and the Clinical Milieu.

Kroll MW, Calkins H, Luceri RM (2007), J Am Coll Cardiol 49 (6): 732

Exposure: TASER/electrical weapon

Crafting the perfect shock. Finding the edge of heart safety.

Kroll MW, Tchou P (2007), IEEE Spectrum 44 (12): 27 - 31

Exposure: TASER/electrical weapon

Do Electrical Stun Guns (TASER-X26) Affect the Functional Integrity of Implantable Pacemakers and Defibrillators? dev./impl.

Lakkireddy D, Khasnis A, Antenacci J, Ryshcon K, Chung MK, Wallick D, Kowalewski W, Patel D, Mlcochova H, Kondur A, Vacek J, Martin D, Natale A, Tchou P (2007), Europace 9 (7): 551 - 556

Exposure: TASER/electrical weapon

Cardiac monitoring of human subjects exposed to the taser.

Levine SD, Sloane CM, Chan TC, Dunford JV, Vilke GM (2007), J Emerg Med 33 (2): 113 - 117

Exposure: TASER/electrical weapon, electric injuries/electrocution

Acidosis, lactate, electrolytes, muscle enzymes, and other factors in the blood of Sus scrofa following repeated TASER exposures.

Miller CD (2007), Forensic Sci Int 168 (1): e17 - e18

Exposure: TASER/electrical weapon

Taser Research in Pigs not Helpful.

Pippin JJ (2007), J Am Coll Cardiol 49 (6): 731 - 732

Exposure: TASER/electrical weapon

Intracranial penetration of a TASER dart.

Rehman TU, Yonas H, Marinaro J (2007), Am J Emerg Med 25 (6): 733.e3 - 733.e4

Exposure: TASER/electrical weapon

Cataract secondary to electrical shock from a Taser gun.

Seth RK, Abedi G, Daccache AJ, Tsai JC (2007), J Cataract Refract Surg 33 (9): 1664 - 1665

Exposure: personal exposure, TASER/electrical weapon

Reply on: Taser Research in Pigs Not Helpful.

Tchou PJ (2007), J Am Coll Cardiol 49 (6): 733

Exposure: TASER/electrical weapon

Neuromuscular effects of stun device discharges.

Valentino DJ, Walter RJ, Dennis AJ, Nagy K, Loor MM, Winners J, Bokhari F, Wiley D, Merchant A, Joseph K, Roberts R (2007), J Surg Res 143 (1): 78 - 87

Exposure: TASER/electrical weapon, electric injuries/electrocution

Physiological effects of a conducted electrical weapon on human subjects.

Vilke GM, Sloane CM, Bouton KD, Kolkhorst FW, Levine SD, Neuman TS, Castillo EM, Chan TC (2007), Ann Emerg Med 50 (5): 569 - 575

Exposure: TASER/electrical weapon

Thoracic compression fractures as a result of shock from a conducted energy weapon: a case report.

Winslow JE, Bozeman WP, Fortner MC, Alson RL (2007), Ann Emerg Med 50 (5): 584 - 586

Exposure: TASER/electrical weapon

Response to the Editor towards: A very interesting case study involving a TASER Conducted Electrical Weapon (CEW) used on a patient with a pacemaker. [comment](#)

(2007), J Cardiovasc Electrophysiol 18 (12): E31

Exposure: TASER/electrical weapon

Perforating ocular injury by Taser.

Chen SL, Richard CK, Murthy RC, Lauer AK (2006), Clin Experiment Ophthalmol 34 (4): 378 - 380

Exposure: TASER/electrical weapon

Effect of a Taser shot to the chest of a patient with an implantable defibrillator. [dev./impl.](#)

Haegeli LM, Sterns LD, Adam DC, Leather RA (2006), Heart Rhythm 3 (3): 339 - 341

Exposure: TASER/electrical weapon

Cardiovascular and physiologic effects of conducted electrical weapon discharge in resting adults.

Ho JD, Miner JR, Lakireddy DR, Bultman LL, Heegaard WG (2006), Acad Emerg Med 13 (6): 589 - 595

Exposure: TASER/electrical weapon, electric injuries/electrocution

Acidosis, lactate, electrolytes, muscle enzymes, and other factors in the blood of Sus scrofa following repeated TASER exposures.

Jauchem JR, Sherry CJ, Fines DA, Cook MC (2006), Forensic Sci Int 161 (1): 20 - 30

Exposure: TASER/electrical weapon, electric injuries/electrocution

Effects of Cocaine Intoxication on the Threshold for Stun Gun Induction of Ventricular Fibrillation.

Lakkireddy D, Wallick D, Ryschon K, Chung MK, Butany J, Martin D, Saliba W, Kowalewski W, Natale A, Tchou PJ (2006), J Am Coll Cardiol 48 (4): 805 - 811

Exposure: TASER/electrical weapon, electric injuries/electrocution

Stun guns: a new source of electromagnetic interference for implanted cardiac devices. [comment](#)

Marine JE (2006), Heart Rhythm 3 (3): 342 - 344

Exposure: TASER/electrical weapon

Cardiac Electrophysiological Consequences of Neuromuscular Incapacitating Device Discharges.

Nanthakumar K, Billingsley IM, Masse S, Dorian P, Cameron D, Chauhan VS, Downar E, Sevaptisdis E (2006), J Am Coll Cardiol 48 (4): 798 - 804

Exposure: TASER/electrical weapon, electric injuries/electrocution

Taser Use in Restraint-Related Deaths.

Strote J, Range Hutson H (2006), Prehosp Emerg Care 10 (4): 447 - 450

TEMP Withdrawal of taser electroshock devices: too much, too soon. [tmp](#)

Bozeman WP (2005), Ann Emerg Med 46 (3): 300 - 301

Ventricular fibrillation after stun-gun discharge.

Kim PJ, Franklin WH (2005), N Engl J Med 353 (9): 958 - 959

Exposure: TASER/electrical weapon

A rational response to Taser strikes.

Whitehead S (2005), JEMS 30 (5): 56 - 66

Exposure: TASER/electrical weapon

Introduction of the Taser into British policing. Implications for UK emergency departments: an overview of electronic weaponry.

Bleetman A, Steyn R, Lee C (2004), Emerg Med J 21 (2): 136 - 140

Exposure: TASER/electrical weapon

Evidence for Use of Electroshock Devices.

Banaschak S, Milbradt H, Humpert M, Roll P, Madea B (2001), Arch Kriminol 208 (5-6): 149 - 158

Exposure: TASER/electrical weapon, electric injuries/electrocution

Effects of stun guns and tasers.

Fish RM, Geddes LA (2001), Lancet 358 (9283): 687 - 688

Exposure: TASER/electrical weapon

Factors associated with sudden death of individuals requiring restraint for excited delirium.

Stratton SJ, Rogers C, Brickett K, Gruzinski G (2001), Am J Emerg Med 19 (3): 187 - 191

Exposure: non-EMF exposure, TASER/electrical weapon

DETAILS Störbeeinflussung von Herzschrittmachern. review

Wilke A, Kruse T, Funck R, Maisch B (1997), Dtsch Med Wochenschr 122 (16): 517 - 522

Exposure: mobile communication system, digital mobile phone, radio frequency field, DECT, cordless phone, RF therapeutical/medical device, EAS/RFID, magnetic field, low frequency field, signals/pulses, 50/60 Hz (AC), LF therapeutical/medical device, MRI, occupational exposure, residential exposure, non-EMF exposure, TASER/electrical weapon

DETAILS Effects of electronic autodefense devices on cardiac pacemakers. dev./impl.

Moraes JC (1995), Artif Organs 19 (3): 238 - 240

Exposure: TASER/electrical weapon

Electric shock, Part III: Deliberately applied electric shocks and the treatment of electric injuries.

Fish R (1993), J Emerg Med 11 (5): 599 - 603

Exposure: occupational exposure, personal exposure, TASER/electrical weapon, electric injuries/electrocution

DETAILS Electrical injuries and lightning.

Browne BJ, Gaasch WR (1992), Emerg Med Clin North Am 10 (2): 211 - 229

Exposure: TASER/electrical weapon, electric injuries/electrocution, lightning