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## APPENDICES

## APPENDIX A

### THOMAS R. BRAIDWOOD, Q.C., COMMISSIONS OF INQUIRY PURPOSE AND TERMS OF REFERENCE

#### Definitions

- 1 In this Order:
- “Conducted energy weapon” means a weapon or device commonly referred to as a Taser®;
  - “Mr. Dziekanski” means Mr. Robert Dziekanski, who died at the Vancouver International Airport on October 14, 2007;
  - “RCMP” means the Royal Canadian Mounted Police Force continued under the *Royal Canadian Mounted Police Act (Canada)*.

#### Establishment of two commissions

- 2
- (1) A study commission, called the Thomas R. Braidwood, Q.C., Study Commission, is established under section 2 of the *Public Inquiry Act* to inquire into and report on the use of conducted energy weapons by the following in the performance of their duties and the exercise of their powers:
    - (a) constables of police forces of British Columbia, other than the RCMP;
    - (b) sheriffs under the *Sheriff Act*;
    - (c) authorized persons under the *Correction Act*.
  - (2) A hearing and study commission, called the Thomas R. Braidwood, Q.C., Hearing and Study Commission, is established under section 2 of the *Public Inquiry Act* to inquire into and report on the death of Mr. Dziekanski.
  - (3) Thomas R. Braidwood, Q.C., is the sole commissioner of each of the commissions established under this section.

#### Purposes of the commissions

- 3
- (1) The purpose of the study commission established under section 2 (1) is to make recommendations respecting the appropriate use of conducted energy weapons by constables, sheriffs and authorized persons referred to in section 2 (1), in the performance of their duties and the exercise of their powers.
  - (2) The purposes of the hearing and study commission established under section 2 (2) are as follows:

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- (a) to provide Mr. Dziekanski's family and the public with a complete record of the circumstances of and relating to Mr. Dziekanski's death;
- (b) to make recommendations referred to in section 4 (2) (c).

### Terms of reference

- 4 (1) The terms of reference of the inquiries to be conducted by the study commission established under section 2 (1) are as follows:
- (a) to review current rules, policies and procedures applicable to constables, sheriffs and authorized persons referred to in section 2 (1) in respect of their use of conducted energy weapons and their training and re-training in that use;
  - (b) to review research, studies, reports and evaluations respecting the safety and effectiveness of conducted energy weapons when used in policing and law enforcement in British Columbia and in other jurisdictions;
  - (c) to make recommendations respecting
    - (i) the appropriate use of conducted energy weapons by constables, sheriffs and authorized persons referred to in section 2 (1) in the performance of their duties and the exercise of their powers, and
    - (ii) the appropriate training or re-training of those constables, sheriffs and authorized persons in that use of conducted energy weapons;
  - (d) to submit a report to the Attorney General on or before June 30, 2008\*.
- (2) The terms of reference of the inquiries to be conducted by the hearing and study commission under section 2 (2) are as follows:
- (a) to conduct hearings, in or near the City of Vancouver, into the circumstances of and relating to Mr. Dziekanski's death;
  - (b) to make a complete report of the events and circumstances of and relating to Mr. Dziekanski's death, not limited to the actual cause of death;
  - (c) to make recommendations the commissioner considers necessary and appropriate;
  - (d) to submit a report to the Attorney General on or before a date to be determined by the Attorney General in consultation with the Commissioner.

\* Amended by OIC 882/2008 to June 30, 2009

## APPENDIX B

### LIST OF SUBMITTERS

- These people made a presentation during the public forums.

#### Submitters

Abley, Sandy

- Amnesty International Canada
- BC Association of Municipal Chiefs of Police
- BC Civil Liberties Association
- BC Medical Association
- BC Ministry of Attorney General, Court Services Branch, Sheriff Services
- BC Ministry of Public Safety & Solicitor General, BC Corrections Branch, BC Adult Custody Division
- BC Ministry of Public Safety & Solicitor General, Police Services Division
- BC Ministry of Public Safety & Solicitor General, Police Services Division, Policing and Community Safety Branch
- BC Office of the Police Complaint Commissioner
- BC Schizophrenia Society
- Beattie, Liane
- Beil, Alison
- Bozeman, Dr. William P.
- Butt, Dr. John
- Canadian Mental Health Association, BC Division
- Chambers, Dr. Keith
- Chen, Jinan
- Cisowski, Zofia
- Commission for Public Complaints Against the RCMP
- Cook County Trauma Unit
- Creba, Doug
- Crossley, Maynard
- Curry, Ken
- Davies, John
- Dawson, Robin H.

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### Submitters, cont'd

- Dean, Vernan
- Dosanjh, Hon. Ujjal  
Excited-Delirium.com (blog owner)
- Gallagher, Cathy & Joseph  
Gillman, Patti
- Greater Vancouver Transportation Authority Police Service
- Hall, Dr. Christine A.  
Hantiuk, Margaret
- Ho, Dr. Jeff  
Huntley, David
- Janusz, Dr. Michael T.
- Kerr, Dr. Charles R.  
Kohne, Horst
- Kosteckyj, Walter  
Krzywiecki, Christopher  
Langevin, Trevor  
Lee, Buddy
- Lu, Dr. Shao-Hua  
McDiarmid, Garnet L.  
McDonald, Hunter  
McLeod, Lorraine  
Moulds, Joy E.  
Moyle, Barbarra
- New Westminster Police Department
- Noone, Dr. Joe  
Oshaneck, Lawrence A.
- Page, Jay  
Palys, Ted
- Panescu, Dr. Dorin  
Peet, Fred
- Povah, Errol
- Puder, Randy
- Reilly, J. Patrick
- Royal Canadian Mounted Police  
Rysstad, Maggie

**Submitters, cont'd**

- Savard, Dr. Pierre  
Slater, Kate  
Slewidge, Ken
- Sloane, Dr. Christian  
Spicer, Phil
- Stethem, Kenneth J.  
Street Kid's Project
- Swanson, Jude
- Swerdlow, Dr. Charles
- TASER International, Inc.
- Toronto Police Service
- Tseng, Dr. Zian H.  
Ussner, Maryanna
- Vallance, Dr. Maelor
- Vancouver Police Department
- Victoria Police Department
- Ward, Cameron  
Watamaniuk, Mark
- Webster, Dr. John G.
- Webster, Dr. Michael  
Weitz, Don  
White, Natalie

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## APPENDIX C

### BIBLIOGRAPHY FOR PART 9: MEDICAL RISKS

Amnesty International USA. "USA: Taser-Related Deaths Increasingly Frequent; Total Exceeds 150." Amnesty International USA (March 28, 2006), online: Amnesty International USA. <http://www.amnestyusa.org/document.php?lang=e&id=ENGUSA20060328001>.

"Analysis of Less-Lethal Technologies: Taser Versus Stinger." [Documents released by the U.S. Dept. of Justice in response to a request by Aaron H. Matz, Perkins Coie Brown & Bain P.A., under the Freedom of Information Act/Privacy Act]. (Ft. Meyers, FL: Florida Gulf Coast University, 2005).

Anders, S., *et al.* "Cutaneous Current Marks Due to Stun Gun Injury." [Abstract] (2003) 48:3 *J. Forensic Sci.* 640.

Barton, Antigone. "Drugs shadow taser cases." *Palm Beach Post* (August 15, 2005), online: <http://www.palmbeachpost.com/search/content/state/epaper/2005/08/14/s1aTASERDEATHS0814.htm>.

Ben-Yaakov, Schmuel. "Electrical Evaluation of the Taser M26 Stun Weapon." (Beer-Sheva, Israel: Ben-Gurion Univ. of the Negev, 2006), online: Institute for the Prevention of In-Custody Deaths. <http://www.ipicd.com/documents/12-30-06%20Israel%20Nat'l%20Police%20M26%20Paper.pdf>.

Bergen, Ryan. "Doctors Question Safety of Tasers." *National Review of Medicine.* (2007) 4:19, online: National Review of Medicine. [http://www.nationalreviewofmedicine.com/issue/2007/11\\_15-30/4\\_policy\\_politics\\_19.html](http://www.nationalreviewofmedicine.com/issue/2007/11_15-30/4_policy_politics_19.html).

Bleetman, A., R. Steyn & C. Lee. "Introduction of the Taser into British Policing. Implications for UK Emergency Departments: An Overview of Electronic Weaponry." (2004) 21 *Emerg. Med. J.* 136.

Bouton, Katie, *et al.* "Physiological Effects of a Five Second TASER Exposure." San Diego, CA: Univ. of California, San Diego, Medical Center, Emergency Department [nd].

Bozeman, William P. & James E. Winslow. "Medical Aspects of Less Lethal Weapons." (2005) 5:1 *Internet Journal of Rescue and Disaster Medicine*, online: ISPUB.COM. [http://www.ispub.com/journal/the\\_internet\\_journal\\_of\\_rescue\\_and\\_disaster\\_medicine/volume\\_5\\_number\\_1\\_36/article/medical\\_aspects\\_of\\_less\\_lethal\\_weapons.html](http://www.ispub.com/journal/the_internet_journal_of_rescue_and_disaster_medicine/volume_5_number_1_36/article/medical_aspects_of_less_lethal_weapons.html).

Bozeman, William P., *et al.* "Injury Profile of TASER Electrical Conducted Energy Weapons (CEWs)." Winston-Salem, N.C.: Wake Forrest Univ. School of Medicine.

Bozeman, William P. "Safety and Epidemiology of Conducted Energy Weapons (CEWs)." Presented to the Braidwood Inquiry. June 2008. PowerPoint Presentation.

## APPENDIX C

Bozeman, William P. "Taser Medical Safety: The State of the Science." Presentation at the University of Florida. February 2008. PowerPoint Presentation.

Bozeman, William P. [Letter to the Editor] "Withdrawal of Taser Electroshock Devices: Too Much, Too Soon." (2005) 46:3 *Ann. Emerg. Med.* 300.

Cao, Michael, *et al.* "Taser-Induced Ventricular Myocardial Capture Demonstrated by Pacemaker Intracardiac Electrograms." (2007) 18(8) *J. Cardiovasc. Electrophysiol.* 876.

Chambers, Keith. Letter to the Braidwood Inquiry (July 4, 2008) in response to a request for his opinion of William P. Bozeman's PowerPoint Presentation to the Inquiry [unpublished].

Chung, Andrew. "Are Tasers behind custody deaths? Numbers fluctuate but Canadian data suggest the real cause may be 'excited delirium.'" *Toronto Star* (December 9, 2007), online: <http://www.thestar.com/article/283863>.

Dawes, Ronald, *et al.* "The Effect of the eXtended Range Electronic Projectile (XREP) on Breathing." Presented at the Australasian College for Emergency Medicine Winter Symposium 2008 [unpublished], online: TASER news release, July 3, 2008. <http://phx.corporate-ir.net/phoenix.zhtml?c=129937&p=irol-newsArticle&ID=1171811&highlight=>.

Dawes, D.M., *et al.* "15-Second Conducted Energy Weapon Exposure Does Not Cause Core Temperature Elevation in Non-Environmentally Stressed Resting Adults." 176(2-3) *Forensic Sci. Intl.* 253.

Dawes, D.M., *et al.* "Neuroendocrine Effects of TASER X26 Conducted Energy Weapon as Compared to Oleoresin Capsicum." (2007) 50:3 *Annals. Emerg. Med. Suppl.* S132.

Dennis, Andrew J., *et al.* "Acute Effects of TASER X26 Discharges in a Swine Model." (2007) 63:3 *J. TRAUMA Injury Infection and Critical Care* 581.

Dorian, Paul & Kumaraswamy Nanthakumar. [Letter to the Editor] "Reply" (2007) 49:6 *JACC* 732.

Ely, Susan F. & Charles S. Hirsch. "Asphyxial Deaths and Petechiae: A Review." (2000) 45:6 *J. Forensic Sci.* 1274.

"'Excited Delirium' case raises taser questions." *Canadian Press* (March 11, 2007), online: [http://www.ctv.ca/servlet/ArticleNews/story/CTVNews/20070311/excited\\_delerium\\_070311?s\\_name=budget2007&no\\_ads](http://www.ctv.ca/servlet/ArticleNews/story/CTVNews/20070311/excited_delerium_070311?s_name=budget2007&no_ads).

Farkas, Karen. "Summit judge rules Tasers not a factor in three deaths." *Metro* (May 2, 2008), online: [http://blog.cleveland.com/metro/2008/05/summit\\_judge\\_rules\\_tasers\\_not.html](http://blog.cleveland.com/metro/2008/05/summit_judge_rules_tasers_not.html).

Fineschi, Vittorio, *et al.* "Electric Shock: Cardiac Effects Relative to Non-Fatal Injuries and Post-Mortem Findings in Fatal Cases." (2005) 111 *Intl. J. Cardiol.* 6.

Fish, Raymond M. & Leslie A. Geddes. "Effects of Stun Guns and Tasers." (2001) 358 *Lancet* 687.

Frechette, Alan & Mary Ellen Rimsza. "Stun Gun Injury: A New Presentation of the Battered Child Syndrome." (1992) 89:5 *Pediatrics* 898.

Grainger, Peter. "Taser guns not tested by police: CTV finds." *CTV British Columbia* (May 5, 2008), online: [http://www.ctvbc.ctv.ca/servlet/an/local/CTVNews/20080505/BC\\_Taser\\_Testing\\_080505?hub=BritishColumbiaHome](http://www.ctvbc.ctv.ca/servlet/an/local/CTVNews/20080505/BC_Taser_Testing_080505?hub=BritishColumbiaHome).

Haegeli, Laurent M., *et al.* "Effect of a Taser Shot to the Chest of a Patient with an Implantable Defibrillator." (2006) 3:3 *Heart Rhythm* 339.

Ho, Jeffrey D., *et al.* "Absence of Electrocardiographic Change Following Prolonged Application of Conducted Energy Weapon in Physically Exhausted Adults." [Abstract] (2007) 14:5 *Acad. Emerg. Med. Suppl.* 1: 322.

Ho, Jeffrey D., *et al.* "Absence of Electrocardiographic Effects Following Taser Device Application in Human Volunteers." Fort Lauderdale, FL: Dept of Emergency Medicine, Hennepin County Med. Center [nd].

Ho, Jeffrey D., *et al.* "Cardiovascular and Physiologic Effects of Conducted Energy Weapon Discharge in Resting Adults." (2006) 13:6 *Acad. Emerg. Med.* 589.

Ho, Jeffrey D., *et al.*, "Echocardiographic Determination of Cardiac Rhythm During Trans-Thoracic Wireless Conducted Electrical Weapon Exposure" [poster] presented at the American College of Emergency Physicians Scientific Assembly, 2008, Chicago, Illinois, online: [http://www.ipicd.com/docs/ACEP\\_08\\_HO\\_ECHO.jpg](http://www.ipicd.com/docs/ACEP_08_HO_ECHO.jpg).

Ho, Jeffrey D., *et al.* "Echocardiographic Evaluation of Human Transcutaneous TASER Application Along the Cardiac Axis" [poster] presented at the Heart Rhythm Society, 29th Ann. Meeting, May 2008, online: <http://www.taser.com/research/Science/Documents/Ho%20Echo%20Eval%20HRS%202008.pdf>.

Ho, Jeffrey D., *et al.* "Impact of CEW in a Mentally Ill Population: A Brief Report." (2007) 25 *Am. J. Emerg. Med.* 780.

Ho, Jeffrey D., *et al.* "Physiologic Effects of Prolonged Conducted Energy Weapon Discharge on Acidotic Adults." (2007) 14:5 *Acad. Emerg. Med. Suppl.* 1: 148.

Ho, Jeffrey D., *et al.* "Respiratory Effect of Prolonged Electrical Weapon Application on Human Volunteers." (2007) 14:3 *Acad. Emerg. Med.* 197.

Holden, S.J., *et al.* "Electromagnetic Modelling of Current Flow in the Heart from Taser Devices and the Risk of Cardiac Dysrhythmias." (2007) 52 *Phys. Med. Biol.* 7193.

Hood, I., D. Ryan & W.U. Spitz. "Resuscitation and Petechiae." [Abstract] (1988) 9(1) *Am. J. Forensic Med. Pathol.* 35.

## APPENDIX C

- Ikeda, Noriaki, Akira Harada, & Tsuneo Suzuki. "Homicidal Manual Strangulation and Multiple Stun-Gun Injuries." (1992) 13:4 *Am. J. Forensic Med. Pathol.* 320.
- Jauchem, James R., *et al.* "Acidosis, Lactate, Electrolytes, Muscle Enzymes, and Other Factors in the Blood of *Sus Scrofa* Following Repeated TASER Exposures." (2006) 161 *Forensic Science Intl.* 20.
- Jauchem, James R. "Blood Factors of *Sus Scrofa* Following a Series of Three TASER Electronic Control Device Exposures." (2008) 175 *Forensic Science Intl.* 166.
- Jenkinson, Emma, Clare Neeson, & Anthony Bleetman. "The Relative Risk of Police Use-of-Force Options: Evaluating the Potential for Deployment of Electronic Weaponry." (2006) 13 *J. Clin. Forensic Med.* 229.
- Jensen, Peter Jorn, *et al.* "Electrical Injury Causing Ventricular Arrhythmias." (1987) 57 *Br. Heart J.* 279.
- Kedir, Shaun H. "Stunning Trends in Shocking Crimes: A Comprehensive Analysis of Taser Weapons." (2006-07) 20:2 *J. Health & Law* 20: 357.
- Kenny, John M., *et al.* "Human Effects Advisory Panel Report of Findings: Sticky Shocker Assessment." (State College, PA: Penn State Univ., Applied Research Laboratory, 1999), online: TASER. <http://www.taser.com/Search/Results.aspx?k=john%20kenny>.
- Kim, Paul J. & Wayne H. Franklin. [Letter to the Editor] "Ventricular Fibrillation after Stun-Gun Discharge." (2005) 353:9 *N. Engl. J. Med.* 958.
- Kinney, Thomas, J. "Myocardial Infarction Following Electrical Injury." (1982) 11 *Ann. Emerg. Med.* 622.
- Kloner, R.A., *et al.* "Effects of Acute and Chronic Cocaine Use on the Heart." (1992) 85:2 *Circulation* 407.
- Koscove, Eric. "The Taser Weapon: A New Emergency Medicine Problem." (1985) 14:12 *Ann. Emerg. Med.* 1205.
- Kroll, Mark W. "Crafting the Perfect Shock." (2007) *IEEE Spectrum*, online: [iee spectrum. http://spectrum.ieee.org/dec07/5731/2](http://spectrum.ieee.org/dec07/5731/2).
- Kroll, Mark W., *et al.* [Letter to the Editor] "Electronic Control Devices." (2008) 179(4) *CMAJ* 342.
- Kroll, Mark W., Hugh Calkins & Richard M. Luceri. [Letter to the Editor] "Electronic Control Devices and the Clinical Milieu." (2007) 49:6 *JACC* 732.
- Lakkireddy, Dhanunjaya R., *et al.* "Can Electrical-Conductive Weapons (Taser) Alter Functional Integrity of Pacemakers and Defibrillators and Cause Rapid Myocardial Capture?" [Abstract] Heart Rhythm Society, 29<sup>th</sup> Annual Meeting, May 2008 [unpublished], online: [http://www.abstracts2view.com/hrs/view.php?nu=HRS08L\\_6517](http://www.abstracts2view.com/hrs/view.php?nu=HRS08L_6517).

Lakkireddy, Dhanunjaya R., *et al.* "Cardiac Effects of Electrical Stun Guns: Does Position of the Barbs Contact Make Any Difference?" [Abstract] (2008) 31:4 *PACE* 398.

Lakkireddy, Dhanunjaya R., *et al.* "Cardiovascular Safety Profile of Electrical Stun Guns (TASER): Impact of Point of Delivery on Ventricular Fibrillation Thresholds." (2006) online: <http://www2.taser.com/research/Documents/Lakkiereddy%20Cleveland%20Clinic%20VF%20Threshold%20Barb%20Location.pdf>.

Lakkireddy, Dhanunjaya R., *et al.* "Do Electrical Stun Guns (TASER-X26) Affect the Functional Integrity of Implantable Pacemakers and Defibrillators?" (2007) 9:7 *Europace* 551, online: Eurospace. <http://europace.oxfordjournals.org/cgi/reprint/eum058?ijkey=v5zONNAwEzrMZP5&keytype=ref>.

Lakkireddy, Dhanunjaya R., *et al.* "Effects of Cocaine Intoxication on the Threshold for Stun Gun Induction of Ventricular Fibrillation." (2006) 48:4 *J. Am. Coll. Cardiol.* 468.

Layton, Julia. "Are people in police custody dying of excited delirium?" *howstuffworks* (February 28, 2007), online: <http://people.howstuffworks.com/excited-delirium.htm>.

Leibovici, D., J. Shemer & S.C. Shapira. (1995) "Electric Injuries: Current Concepts." 26:9 *Injury* 623.

Levine, Saul D., *et al.* "Cardiac Monitoring of Human Subjects Exposed to the Taser." (2007) 33:2 *J. Emerg. Med.* 113.

Lovell, F. Warren. "Stun Gun and Taser: Are They Always Safe?" [Abstract] (1999) 6:3 *J. of Clinical Forensic Med.* 199.

McBride, Dennis K. and Natalie B. Tedder. (2005) *Efficacy and Safety of Electrical Stun Devices: A Potomac Institute for Policy Studies Report*. Online: Potomac Institute for Policy Studies. [http://www.potomacinstitute.org/research/Stun%20Devices%20Report\\_FINAL.pdf](http://www.potomacinstitute.org/research/Stun%20Devices%20Report_FINAL.pdf).

McDaniel, Wayne C., *et al.* "Cardiac Safety of Neuromuscular Incapacitating Defensive Devices." (2005) *PACE* 28 (Suppl. 1): S284.

Maier, Andrew, *et al.* *Human Effectiveness and Risk Characterization of the Electromuscular Incapacitation Device—A Limited Analysis of the TASER: Part I—Technical Report*. Virginia, M.L.: Joint Non-Lethal Weapons Human Effects Center of Excellence (2005).

Marine, Joseph E. "Stun Guns: A New Source of Electromagnetic Interference for Implanted Cardiac Devices." (2006) 3(3) *Heart Rhythm* 342.

Mehl, Lewis E. "Electrical Injury From Taser and Miscarriage." (1992) 71 *Acta Obstet. Gynecol. Scand.* 118.

Micheli, Frederico, *et al.* "Delayed Onset Limb Dystonia Following Electric Injury." (1998) 4 *Parkinsonism and Related Disorders* 39.

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Miller, Charlie D. [Letter to the Editor] "Re: Acidosis, Lactate, Electrolytes, Muscle Enzymes, and Other Factors in the Blood of *Sus Scrofa* Following Repeated TASER Exposures." (2007) 168 *Forensic Sci. Intl.* e17.

Mukasey, Michel B., Jeffrey L. Sedgwick & David W. Hagy. *Study of Deaths Following Electromuscular Disruption: Interim Report*. (Washington, DC: U.S. Dept. of Justice, National Institute of Justice, 2008).

Nanthakumar, Kumaraswamy, *et al.* "Cardiac Electrophysiological Consequences of Neuromuscular incapacitating Device Discharges." (2006) 48:4 *J. Am. Coll. Cardiol.* 798.

Nanthakumar, Kumaraswamy, *et al.* "Cardiac Stimulation with High Voltage Discharge From Stun Guns." (2008) 178:11 *CMAJ* 1451.

Ng, Weng & Mark Chehade. "Taser Penetrating Ocular Injury." (2005) 139:4 *Am J. Ophthalmol.* 713.

Norton, R.L. & G. Granger. "Evaluation of the Use of TASER and Elevate Force to Control Workplace Violence in a Health Care Environment." [Abstract] (2007) 50:3 *Ann. Emerg. Med.* S135.

O'Brien, Anthony J. [Letter to the Editor] "Conflict of Interest in Research." (2008) 26 *Am. J. Emerg. Med.* 504.

O'Brien, Daniel J. "Electronic Weaponry—A Question of Safety." [Abstract] (1991) 20:5 *Ann. Emerg. Med.* 583 and 20:9 *Ann. Emerg. Med.* 1031 [Erratum].

Odell, Morris. "The Human Body as an Electric Circuit." (1997) 4 *J. Clin Forensic Med.* 1.

Ordog, Gary J., *et al.* "Electronic Gun (Taser) Injuries." (1987) 16:1 *Ann. Emerg. Med.* 73.

Panescu, D., *et al.* "Finite Element Modelling of Electric Field Effects of TASER Devices on Nerve and Muscle." [Abstract] in *Proc. 28<sup>th</sup> IEEE EMBS Annual Intl Conference (2006) IEEE Engineering in Medicine & Biology Society*, (N.Y., Aug. 30-Sept. 3, 2006) 1277.

Pidgeon, K.C., Sally Bragg & Kathleen Ball, *et al.* "Uncommon Cause of Death: The Use of Taser Guns in South Florida." (2008) 34:4 *J. Emerg. Nursing* 305.

Pippin, John J. [Letter to the Editor] "Taser Research in Pigs Not Helpful." (2007) 49:6 *JACC* 731.

Pollanen, Michael S., *et al.* "Unexpected Death Related to Restraint for Excited Delirium: A Retrospective Study of Deaths in Police Custody and in the Community." (1998) 158:12 *CMAJ* 1603.

Rahko, Peter S. "Evaluation of the Skin-to-Heart Distance in the Standing Adult by 2-Dimensional Echocardiography." (2008) 21:6 *J. Am. Soc. Echocardiogr.* 761.

- Rao, V.J. and C.V. Wetli. "The Forensic Significance of Conjunctival Petechiae." [Abstract] (1998) 9:1 *Am. J. Forensic Med. Pathol.* 32.
- Rehman, Tausif-Ur, Howard Jonas & Jonathan Marinaro. "Intracranial Penetration of a TASER Dart." (2007) 25 *Am. J. Emerg. Med.* 733.e3.
- Richards, Kyle A., L. Peter Kleuser & Jeffrey Kluger. "Fortuitous Therapeutic Effect of a Taser Shock for a Patient in Atrial Fibrillation." (2008) *Ann. Emerg. Med.* 2(6) 686.
- Robinson, N.M.K. & D.A. Chamberlain. "Electrical Injury to the Heart May Cause Long-Term Damage to Conducting Tissue: A Hypothesis and Review of the Literature." (1996) 53 *Intl. J. Cardiol.* 273.
- Ruggieri, James Angelo. "Forensic Engineering Analysis of Electro-Shock Weapon Safety." (2005) 22:2 *J. National Academy of Forensic Engineers* 19.
- Ruggieri, James Angelo. "Lethality of Taser Weapons." (2005) *Am. Acad. of Forensic Engineers (AAFS) abstract proceedings*, Feb. 25, 2005, online: A Collection of Articles Related to TASERS and Other "Stun" Devices. <http://www.charlydmiller.com/LIB07/2006TaserCollection.html#2006Pigs>.
- Sadhu, Srikanth, Sergio Leal, & Caesar Herrera, *et al.* "Ventricular Fibrillation and Death after Taser Injury." [Abstract] (2006) 3:5 *Heart Rhythm Suppl.* 1: S72.
- Sanford, Janyce M., *et al.* "Two Patients Subdued with a taser<sup>®</sup> Device: Cases and Review of Complications." (2008) *J. Emerg. Med.* 1, online: [http://www.ncbi.nlm.nih.gov/pubmed/18439781?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed\\_ResultsPanel.Pubmed\\_DefaultReportPanel.Pubmed\\_RVDocSum](http://www.ncbi.nlm.nih.gov/pubmed/18439781?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum).
- Schmiederer, Bert, *et al.* "Specific Traces in Stun Gun Deployment." (2005) 119 *Int. J. Legal Med.* 207.
- Seth, Rajeev K., *et al.* "Cataract Injury Secondary to Electrical Shock from a Taser Gun." [Abstract] (2007) 33:9 *J. Cataract Refract. Surg.* 1664.
- Sloane, Christian, Theodore C. Chan & Gary M. Vilke. "Thoracic Spine Compression Fracture After Taser Activation." (2008) 34:3 *J. Emerg. Med.* 283.
- Spencer, B.L. "Psychological Disorders Resulting from Electrical Shock." [Abstract] (1944) 6 *Psychol. Bull.* 377.
- Stanbrook, Matthew B. "Tasers in Medicine: An Irreverent Call for Proposals." (2008) 178(11) *CMAJ* 1401.
- Strote, Jared & H. Range Hutson. "Taser Use in Restraint-Related Deaths." (2006) 10:4 *Prehosp. Emerg. Care* 447.
- Sullivan, Laura. "Death by Excited Delirium; diagnosis or cover-up?" NPR (April 24, 2008), online: <http://www.npr.org/templates/story/story.php?storyId=7608386>.

## APPENDIX C

- Sun, Hongyu & John G. Webster. "Estimating Neuromuscular Stimulation within the Human Torso with Taser Stimulus." (2007) 52 *Phys. Med. Biol.* 6401.
- Sungur, Murat & Muhammed Guven. [Letter to the Editor] "Rhabdomyolysis Caused by Electric Injury." (2001) 20:2 *J. Emerg. Med.* 1995.
- Swerdlow, Charles, *et al.* "Presenting Rhythm in Sudden Custodial Deaths After Use of TASER Electronic Control Device." [Abstract AB22-1] presented at the Heart Rhythm Society 29<sup>th</sup> Annual Meeting, May 2008 [unpublished].
- Tchou, Patrick J. "Finding the Edge of Heart Safety." (2007) *IEEE Spectrum*, online: [iee spectrum online. http://spectrum.ieee.org/dec07/5731/3](http://spectrum.ieee.org/dec07/5731/3).
- Tchou, Patrick J. [Letter to the Editor] "Reply" (2007) 49:6 *JACC* 733.
- Theodore, Terri. "Inquiry becomes lightning rod for complaints of taser abuse." *The Canadian Press* (June 4, 2008).
- Truscott, Amanda. "A Knee in the Neck of Excited Delirium." (2008) *CMAJ* 178(6): 669.
- Turner, Matthew S. & Mary I. Jumbelic. "Stun Gun Injuries in the Abuse and Death of a Seven-Month-Old Infant." [Abstract] (2003) 48:1 *J. Forensic Sci.* 180.
- U.K. Police Scientific Development Branch of the Home Office. "Appendix D— 'Medical Implications of the Use of the M26 Taser—The Effects of Drugs of Abuse on the Cardiac Action Potential in Sheep Isolated Purkinje Fibres' [Supplement to HOSDB Evaluations of Taser Devices]." London, U.K.: HOSDB (2004).
- Valentino, Daniel J., *et al.* "Neuromuscular Effects of Stun Gun Devices." (2007) *J. Surg. Research* 143: 78.
- Vilke, Gary M., *et al.* "Physiological Effects of a Conducted Energy Weapon on Human Subjects." (2007) 50:5 *Ann. Emerg. Med.* 569.
- Vilke, Gary M., *et al.* "Twelve-Lead Electrocardiogram Monitoring of Subjects Before and After Voluntary Exposure to the Taser X26." (2008) 26 *Am. J. Emerg. Med.* 1.
- Walters, Tom. "Taser International Suffers Rare Court Loss." *CTV News* (June 6, 2008) online: [CTV News http://winnipeg.ctv.ca/servlet/an/local/CTVNews/20080610/taser\\_lawsuit\\_080610?hub=WinnipegHome](http://winnipeg.ctv.ca/servlet/an/local/CTVNews/20080610/taser_lawsuit_080610?hub=WinnipegHome).
- Wang, Richard Y. "pH-Dependent Cocaine-Induced Cardiotoxicity." (1998) 17:4 *Am. J. Emerg. Med.* 364.
- Welsh, James. "Electroshock Torture and the Spread of Stun Technology." (1997) *Lancet* 349: 1.

Winslow, James E., *et al.* "Thoracic Compression Fractures as a Result of Shock from a Conducted Energy Weapon: A Case Report." (2007) 50:5 *Ann. Emerg. Med.* 584.

Wu, Jiun-Yan, *et al.* "Taser Dart-to-Heart Distance That Causes Ventricular Fibrillation in Pigs." (2007) 54:3 *IEEE Transactions on Biomed. Engineering* 503.

Zylich, Neil P. "Taser Evaluation and Analysis." [Unpublished. Report made to the US Consumer Product Safety Commission, during period when TASERS were under CPSC jurisdiction, Feb. 1976.]

