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## ***Publications***

Mr. Bruley's publications on healthcare technology and related patient safety and biomedical/clinical engineering issues number more than 160, including journal articles, proceedings, and book chapters.

His ECRI Institute publications for which he was principal author or a major contributing author include more than 100 works. [Note: ECRI Institute's publications are institutional work products: individual authors are not identified in these published articles.]

1. ECRI Institute. H0225: Normal priority medical device alert. ECRI Institute continues to recommend maximum temperature setting of 130° F for blanket warming cabinets. Plymouth Meeting (PA): ECRI Institute; 2014 Feb 6. 3 p. (Health Devices Alerts).
2. New Clinical Guide to Surgical Fire Prevention. *Health Devices* 2009 Oct;38(10):314-332.
3. Surgical fire safety [Guidance article]. *Health Devices* 2006;35(2):45-66.
4. Investigating device-related burns [Guidance article]. *Health Devices* 2005;34(12):393-413.
5. Circumcision clamps, scissors-type: Procedure/checklist 480-0100 [Inspection and preventive maintenance (IPM) procedure]. *Health Devices* 2000; 29(1):22-3.
6. Preventing patient entrapment in beds [Talk to the Specialist]. *Health Devices* 1998; 27(3):115-6.
7. Nitrous oxide(N<sub>2</sub>O) cryosurgical units must be scavenged [Hazard Update]. *Health Devices* 1996; 25(8):306-9.
8. Fires from defibrillation during oxygen administration [hazard]. *Health Devices* Jul 1994;23(7):307-8.
9. Investigating device-related "burns" [Guidance article]. *Health Devices* 1993; 22(7):334-52.
10. Electric beds: Do not use in psychiatric wards [Hazard]. *Health Devices* 1991; 20(12):495-6.
11. Oxygen regulator fire caused by use of two yoke washers [Hazard]. *Health Devices* 1990; 19(11):426-7.
12. Infant home apnea monitors: Essential safety features and practices [Hazard]. *Health Devices* 1990; 19(4):142-5.
13. Electric beds can kill children [Hazard update]. *Health Devices* 1989; 18(9):323-5.
14. Fires from blankets warmed in microwave ovens [Hazard]. *Health Devices* 1989; 18(6):234-5.
15. Getinge steam and EtO sterilizers with powered horizontal doors [Hazard]. *Health Devices* 1989; 18(3-4):135-7.
16. Nitrous oxide cryosurgical units must be scavenged [Hazard]. *Health Devices* 1987; 16(12):407-9.
17. Inspiron disposable adult manual resuscitator [Hazard]. *Health Devices* 1987; 16(11):377-8.

18. Defibrillation in oxygen-enriched environments [hazard]. *Health Devices* Mar-Apr 1987;16(3-4):113.
19. Electric beds can kill children [Hazard]. *Health Devices* 1987; 16(3-4):109-110.
20. Hall Surgairtome pneumatic drills [Hazard]. *Health Devices* 1986; 15(12):338.
21. Amsco cart washers [Hazard]. *Health Devices* 1986; 15(12):335.
22. Should hospitals repair cryosurgical units? *Health Devices* 1986; 15(12):332.
23. Ambulance fires: A hazard of heavy use. *Health Devices* 1986; 15(12):327.
24. Amedco electric hospital beds, Models 3, 4, 2102, 2103, 2104, and 6830 [Hazard]. *Health Devices* 1986; 15(11):317.
25. Air embolism from (Haemonetics Cell Saver III) autotransfusion units [Hazard]. *Health Devices* 1986; 15(7):210.
26. OR fires: Preventing them and putting them out. *Health Devices* 1986; 15(5):132.
27. Surgical lights [User Experience Network]. *Health Devices* 1986; 15(1):23.
28. Inspiron disposable volume ventilator breathing circuits catalog no. 003282 [Hazard]. *Health Devices* 1983; 12(12):319-20.
29. Electric beds and the pediatric patient [Hazard]. *Health Devices* 1983; 12(8):203-7.
30. Electric beds in pediatric areas [Update]. *Health Devices Alerts* 1983 Apr 22.
31. Inappropriate use of oxygen to inflate or power medical devices [Hazard]. *Health Devices* 1982; 12(2):54-5.
32. Pneumatic tourniquets used for regional anesthesia [Hazard]. *Health Devices* 1982; 12(2):48-9.
33. Electric beds in pediatric areas. *Health Devices* 1982; 11(11):302.
34. Polyurethane foam pads banned in Boston - ECRI asks: Where's the fire? *Health Devices* 1982; 11(10):263ff.
35. OR fires don't need flammable anesthetics [Poster]. *Health Devices* 1982; 11(7):207.
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38. Case study: An accident involving a washer-sterilizer. [Incident reporting and investigation] *Hospital Risk Control* 1982 Jun:A-8.2.
39. Defibrillator paddles on MRL Porta-Pak 80 and Model 450SL defibrillator/monitors [Hazard]. *Health Devices* 1981; 11(1):70-1.
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42. Deseret Angiocath catalog no. 2878 [Hazard]. *Health Devices* 1981; 10(12):298.
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62. Stryker CircleBed and Wedge Turning Frame [Hazard]. *Health Devices* 1980; 10(1):27.
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66. AMI and Medi-Pak paddle pads [Hazard]. *Health Devices* 1980; 9(10-11):292.
67. Concept Accu-Temp disposable cautery units [Hazard]. *Health Devices* 1980; 9(10-11):291.
68. Inspecting electric beds in special care areas. *Health Devices* 1980; 9(10-11):283.
69. Bourns Bear I adult volume ventilators [Hazard]. *Health Devices* 1980; 9(9):244.
70. Cavitron radiant warmers, IW-10 series [Hazard]. *Health Devices* 1980; 9(8):212.
71. Babybird ventilators and Airbird resuscitators [Hazard]. *Health Devices* 1980; 9(8):211-2.
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73. Air Shields drainage system; operator error and misuse [Hazard]. *Health Devices* 1980; 9(7):188.
74. Siphon has cylinders and cryosurgical units [Hazard]. *Health Devices* 1980; 9(7):187.
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83. Gendron wheeled stretchers [Hazard]. *Health Devices* 1979; 9(1):22.
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92. Electrical safety of electric beds. *Health Devices* 1978; 7(6-7):152-3.
93. Electric beds [Evaluation]. *Health Devices* 1978; 7(6-7):147-72.
94. Borg-Warner hospital beds [Hazard]. *Health Devices* 1978; 7(5):144.
95. Electric blankets in hospitals. *Health Devices* 1978; 7(3):90.
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98. Emergency traction splints [Evaluation]. *Health Devices* 1977; 6(8):184-94.
99. Defibrillation on a water mattress. *Health Devices* 1977; 6(5):122.
100. Orthopedic litters [Evaluation]. *Health Devices* 1976; 5(10):239-45.

***[For the following ECRI Institute publications Mr. Bruley was one of the major contributing authors (limited to 1990-present.)***

101. Alternate-Site Burns from Improperly Seated or Damaged Electrosurgical Pencil Active Electrodes. *Health Devices* 2012 Oct; 41(10):334. See also: *Health Devices Alerts* 2012 Sep 11; Accession No. H0177.
102. ECRI Institute. Retained foreign objects: it's not the robot's fault. Plymouth Meeting (PA): ECRI Institute PSO; 2012 May 31. 3 p. (Patient Safety E-Alerts).
103. Internal wire breakage in reusable electrosurgical active electrode cables may cause sparking and surgical fires [hazard]. *Health Devices* 2009 (Jul); 38(7): 228-9.
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105. Using the wrong size surgical stapler cartridge can injure patients [hazard]. *Health Devices* 2009 Apr; 38(4): 120-30.
106. High-speed surgical drills may overheat and cause burns. *Health Devices* 2008 July;37(7):213-215.

107. Limiting temperature settings on blanket and solution warming cabinets can prevent patient burns. *Health Devices* 2005 May;34(5):168-171.
108. Limiting temperature settings on blanket and solution warming cabinets can prevent patient burns. *Health Devices* 2005 May;34(5):168-171.
109. Preventing burns and fires caused by high-powered light sources [hazard report]. *Health Devices* 2005 Sep;34(9):325-6.
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111. Before a surgical stapler fails [guidance article]. *Health Devices* 2001;30(9-10):370-371.
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113. Alternate-site burns from improperly seated electrosurgical pencil active electrodes [hazard] *Health Devices* 2000 Jan;29(1):24-7.
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117. Sparking from and ignition of damaged electrosurgical electrode cables [hazard report]. *Health Devices* 1998;27(8):301-3.
118. Fire hazard created by the misuse of DuraPrep solution [hazard report]. *Health Devices* 1998;27(11):400-2.
119. Trocars: Safety and Selection [Guidance article]. *Health Devices* 1998;27(11):376-399.
120. Medical device problem reporting for the betterment of healthcare. *Health Devices* 1998;27(8):277-292.
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122. Incompatibility of different brands of Gomco-Type circumcision clamps [Hazard]. *Health Devices* 1997; 26(2):76-7.
123. Electrosurgical airway fires still a hot topic [Hazard Update]. *Health Devices* 1996; 25(7):260-2.
124. Selecting fire extinguishers for the operating room [talk to the specialist]. *Health Devices* 1996;25(7):261, 263.
125. Modified testing procedure for manual resuscitators to minimize the risk of barotrauma resulting from a malfunctioning exhalation valve [hazard report]. *Health Devices* 1995;24(11):476-7.
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129. Final Report: Medical Device Reporting Under the SMDA: A Guide for Healthcare Facilities and Manufacturers. Plymouth Meeting (PA): ECRI; 1996.

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### **Articles, Proceedings, and Book Chapters in Other Publications**

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135. Bruley ME. Challenges in Preventing Electrical, Thermal, and Radiation Injuries. In: Sanchez JA, Barach P, Johnson JK, Jacobs, JP, editors. *Surgical patient care: Improving safety, quality and value. Section III: Perioperative Quality and Patient Safety, Chapter 31*. New York: Springer Science+Business Media; 2017. Abstract available from Internet: [https://rd.springer.com/chapter/10.1007/978-3-319-44010-1\\_31](https://rd.springer.com/chapter/10.1007/978-3-319-44010-1_31).
136. Robert C. Bosack RC, Bruley ME, VanCleave AM, et al. Patient fire during dental care: A case report and call for safety. *J Amer Dental Assoc* 2016 (in press).
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