IN THIS ISSUE

RIGHT ALERT, RIGHT TIME
Developing Clinically Meaningful, Actionable Alarm Notifications
Chris Hayhurst

FEATURES

22 RESEARCH
Parental Perceptions on Smartphone Use for Clinical Mobility
Colleen A. Hughes Driscoll, Mary Jahrsdoerfer, Latasha Easter, and Dina El-Metwally

28 ANALYSIS
A Neurocognitive Approach to Developing Safer Medical Devices
Kate MacNamee

37 ANALYSIS
Intravascular Devices with a Higher Risk of Polymer Emboli: The Need for Particulate Generation Testing
Amitabh Madhukumar Chopra, Amy Rapkiewicz, Ramesh Daggubati, Adrian Sequeira, Yin C. Hu, Deepak L. Bhatt, Samin K. Sharma, Juan Pablo Cruz, Abraham R. Tzafiri, and Elazer R. Edelman

44 ANALYSIS
Assessing Correlation between CVSS Scores in Vulnerability Disclosures and Patching
Vidya Murthy

DEPARTMENTS

2 FRONTLINES

4 THE ROUNDDUP

8 DID YOU SEE?

9 TEN QUESTIONS WITH...

10 PEOPLE ARE SAYING

11 ASK THE JOINT COMMISSION

48 ROUNDTABLE DISCUSSION
Innovative Solutions for Enhancing HTM Education Opportunities and Addressing the Labor Shortage

56 VIEW FROM THE TOP
Don’t Be Afraid to Continuously Improve Device Processing IFUs, Urges Long-Time Leader

60 BRIGHT IDEAS
From Glue Sticks to Computer Bits: Digitizing ECGs at the Milwaukee VAMC
Sarah Michaud

64 CYBERINSIGHTS
Cybersecurity as a Team Sport
Axel Wirth and Christopher Falkner

72 STERILIZATION CENTRAL
Working in Concert: Bridging Gaps between the HTM and Sterile Processing Departments
Jahan Azizi

78 BL&T Peer Reviewers: 2019

80 FINAL WORD
CVSS Scores Could Help Healthcare Short-Circuit Risk Determination Process
Robert Sayle

January/February 2020

Biomedical Instrumentation & Technology (ISSN 0899-8205) is published bimonthly by the Association for the Advancement of Medical Instrumentation, 901 N. Glebe Rd., Suite 300, Arlington, VA 22203. © 2020, Association for the Advancement of Medical Instrumentation & Technology, 810 E. 10th Street, P.O. Box 1897, Lawrence, KS 66044, (800) 627-0326 ext. 404. Editorial: Visit www.aami.org/publications/BIT/guidelines.html to view the complete author guidelines. Send general correspondence to the Publications Department, AAMI, 901 N. Glebe Rd., Suite 300, Arlington, VA 22203; (703) 525-4890, ext. 1225.

Advertising: Send correspondence to Tom Lasch (email: tlasch@aami.org; phone: 440-247-1060). General AAMI advertising information available at www.aami.org/advertising.

Index, Archive: Biomedical Instrumentation & Technology is indexed, archived, or listed by the following: CINAHL Info Systems, Crossref, DeepDyve, Ebsco, Embase, Index Medicus, PubMed/Medline, Referativnyi Zhurnal, and Thomson Reuters.

Photocopies: Authorization to photocopy items for internal or personal use, or the internal or personal use of specific clients, is granted by Allen Press, Inc. for libraries and other users registered with the Copyright Clearance Center (CCC) Transaction Reporting Service, 222 Rosewood Drive, Danvers, MA 01923. Periodical postage is paid at Arlington, VA, and additional mailing offices.

Visit AAMI on the web at aami.org