Publishing Activities

Peer-Reviewed Articles
Oral Presentations and Posters

August 16, 2018
www.perahealth.com
Scientific Publications


2. THE RI AS A PREDICTOR OF POSTDISCHARGE ADVERSE EVENTS IN A MEDICAL ICU: Analysis of Rothman Index Data to Predict Postdischarge Adverse Events in a Medical Intensive Care Unit, DeepaBangalore Goutum, Faisal Masud, JayaParthaman and Janice L. Zimmerman, Journal of Intensive Care Medicine, May 2, 2018.

3. THE RI ASSOCIATION WITH POSTDISCHARGE ADVERSE EVENTS AFTER HP FRACTURE SURGERY: The Rothman Index is Associated With Postdischarge Adverse Events After Hip Fracture Surgery in Geriatric Patients, McLynn RF, Oltheten TD, Oockte NT, Gil JR, Ruben LE, and Grauer JH, National Center for Biotechnology Information, April 17, 2018.


9. USING THE RI AS A PALLIATIVE CARE TRIGGER: Using the Rothman Index and Length of Stay as a Trigger for Palliative Care in the Medical Intensive Care Unit and Step-Down Units, Rebecca Gagua Henderson, MSN, APRN, ACHPN, Barbara McColiskey, DNSC, RN, Ellen Water, BSN, RN, Joan Rinar, DNSC, RN, Mei Bai, PhD, RN, Ernest D. Moritz, MD, Hospitalogy & Palliative Nursing, June 2017 - Volume 19 - Issue 3 - p 232-237.

10. IDENTIFYING ONCOLOGY PATIENTS AT RISK FOR POSTOPERATIVE READMISSION: Using the Rothman Index to Identify Oncology Patients at Risk for Postoperative Readmission, Anh Buu MD, MS, Michael El Alam MD, William Irvin MD, Dalia Stovall MD, The American College of Obstetrics & Gynecology, May 7, 2017


16. PATIENTS NEGATIVELY IMPACTED BY DISCONTINUITY OF NURSING CARE DURING ACUTE HOSPITALIZATION: Patients Negatively Impacted by Discontinuity of Nursing Care During Acute Hospitalization, Olga Yakushova, PhD, Deena K. Costa, PhD, RN, and Marianne Weiss, DNSc, RN Medical Care November 2016

17. IDENTIFYING PATIENTS AT RISK FOR 30-DAY READMISSION, HIGH COST, AND LONGER LOS: Assessment of a Novel Tool for Identifying Hospitalized Patients with Heart Failure At Risk for 30-Day Readmission, High Cost, And Longer Length of Stay, Karen Mor Baroff, Kerry Mitra, Joan Rinar, Arma E. Greer and Maureen Carvan Nursing Economics,July-August 2016/Wat. 34/4-5.

18. PREDICTING CARDIOPULMONARY ARREST: The Performance of the Rothman Index in the Prediction of In-Hospital Cardiopulmonary Arrest in Adults [abstract], Maliknayani K, Brian P. Rinar, J. Andreaozzi, Hannah-Shinmoun F, Donovan T. Journal of Hospital Medicine, 2016 (suppl 1).


21. USING A NURSING SWAT (RT) TEAM TO REDUCE MORTALITY AT A COMMUNITY HOSPITAL: Mortality Reduction Associated with Proactive Use of EMR-Based Acuity Score by an RN Team at an Urban Hospital, Michael Rothman, PhD, Joan Rinar, Sheila Coonan, Stephan Allegrutto, Thomas Babazek, IR Scientific Symposium, BMJ Quality & Safety Supplement, Nov, 2015.

22. USE OF RI IN ICU CAPACITY MANAGEMENT: Impact of Severity-Adjusted Workload on Health Status of Patients Discharged from an ICU, Song - Hae (Hakey) Kim, Edsall Primer, Joan Rinar, Elizabeth Bradley, Social Science Research Network, SSRN, August 14, 2015.

23. DETECTING NEED FOR INTERVENTION AT A PEDIATRIC HOSPITAL: Evaluation of Electronic Medical Record Vital Sign Data versus a Commerciably Available Acuity Score in Predicting Need for Intervention at a Tertiary Children’s Hospital Model, Yong Sing da Silva, MD, Melinda Fidor Hamilton, MD, MSc, Christopher Honvart, MD, Ericka L. Fink, MD, MS, Fereshteh Palmer, MS, Andrew J. Novak, MD, PhD, Robert S. B. Clark, MD, Pediatric Critical Care Medicine, 2016.


28 EVALUATING THE IMPACT OF NURSING EDUCATION Economic Evaluation of the 80% Baccalaureate Nurse Workforce Recommendation – A Patient-level Analysis. Olga Yakushova, PhD, Richard Lindstroth, PhD, and Marianne Weisz, DNSc, RN Olga Yakushova (Marquette University), Medical Care 2014, 52(10), 864-869.

29 APPLICATION OF RI TO PREVENT ICU READMISSIONS Using the Rothman index to prevent early unplanned surgical intensive care unit readmissions Greta L. Piper, MD, Lewis J. Kaplan, MD, FACIS, FCCM, FCCP®, Adrian A Maung, MD, Felix Y. Lu, MD, FACIS®, Kimberly Bams, RN, Kimberly A. Davis, MBA, FACIS, FCCM, Yale University School of Medicine, J of Trauma and Acute Care Surgery, 77(1) 2014 p1782-8.

30 Palliative Care – A Case Study Shared Decision-making at End-of-Life is Aided by Graphical Trending of Illness Severity. David B. Bittelman, MD, G. Duncan Finlay, MD, Alan B. Solinger, PhD, BMJ Case Reports, 2014, published online 13 January 2014. doi: 10.1136/ohrm-2013-012322.


32 VALIDATION OF THE ROTHMAN INDEX TO IDENTIFY PATIENTS AT RISK OF READMISSION WITHIN 30 DAYS Identifying Patients at Increased Risk for Unplanned Readmission. Elizabeth Bradley, PhD (1), Olga Yakushova, PhD (2), Leora I. Horwitz, MD (3), Heather Sipsma, PhD (1), Jason Fletcher, PhD (1), Edward Hung, MD (1), (1) – Yale School of Public Health, (2) – Dept. of Economics Marquette University, (3) – Yale University School of Medicine (Center for Outcomes Research & Evaluation) Medical Care, 51(8) 2013 p761-766.

33 CLINICAL RESULTS FROM ORLANDO REGIONAL MEDICAL CENTER – UNPLANNED TRANSFERS TO ICU Algorithm-based proactive Rapid Response Team rounds: Developing a safety net for patients and nurses. Valerie Danesh, Orlando Health, Edgar Jimenez, Orlando Regional Medical Center, Critical Care Medicine, Dec. 2012. Volume 40 supplement 112, Congress Abstracts, Society of Critical Care Medicine, 40th Critical Care Congress, San Juan, Puerto Rico, January 19-23, 2013, both published and accepted for oral presentation.

34 RETROSPECTIVE STUDY OF THE ROTHMAN INDEX AS A PREDICTOR OF POST-OPERATIVE COMPLICATIONS FOR COLORECTAL SURGERY Automated Analysis of Electronic Medical Record Data Reflects the Pathophysiology of Surgical Complications, Joseph J. Tepas, MD, U of Florida College of Medicine, Allen L. Hsiao, MD, Yale University School of Medicine and Yale New Haven Hospital, Joan M. Rimer, DNSc, RN, Yale New Haven Hospital. Surgery. Oct 2013;154(4):918-26.


37 EXCESS RISK METHOD Placing clinical variables on a common linear scale of empirically-based risk as a step toward construction of a general patient acuity score from the Electronic Health Record: A modeling study – Steven I. Rothman, Michael J. Rothman, Alan B. Solinger, BMJ Open 3(6) 2013.


Oral Presentations and Posters

1. APPLYING PREDICTIVE ANALYTICS TO REDUCE HOSPITAL MORTALITY

2. DOES A TRACK AND TRIGGER SYSTEM PROMOTE TIMELY INTERVENTION?

3. A MULTIDISCIPLINARY APPROACH TO IDENTIFYING ILL PATIENTS IMPROVES SEPSIS SURVIVAL

4. LEVERAGING THE USE OF EHR DATA
   Development and Validation of a Continually Age-Adjusted Measure of Patient Condition for Hospitalized Children Using the Electronic Medical Record, Michael Rothman, AMIA 2017 Annual Symposium, November 5, 2017, Oral Presentation.

5. THE EFFECTIVENESS OF “TRACK AND TRIGGER” SYSTEMS
   The Effectiveness of “Track and Trigger” Systems with Deteriorating Patients, Heather Noletto, EBIN, RNI, 8th Annual Nursing Research & Evidence-Based Practice Symposium, November 2-3, 2017, Poster Presentation.

6. ROTHMAN INDEX PREDICTS ICU MORTALITY AT 24 HOURS

7. REDUCING MORTALITY THROUGH THE USE OF AN EARLY WARNING SYSTEM

8. LEVERAGING TELEHEALTH STRATEGIES TO PROMOTE PATIENT SAFETY
   Improving Your Telehealth Strategy to Deliver Value-Based Care, Better Serve At-Risk Populations and Increase Efficiency, Dania Byrne EdD, MSN, RN, Health IT Summit: Nashville, June 27, 2017, Oral Presentation.

9. QUANTIFYING PATIENT CONDITION

10. IMPLEMENTATION OF A CLINICAL SURVEILLANCE TOOL

11. EVALUATION OF THE ROTHMAN INDEX
    Story Behind the Score: In-depth Evaluation of the Pediatric Rothman Index as a Clinical Decision Support Tool, Meredith Winter, MD, The 13th International Conference on Rapid Response Systems and Medical Emergency Teams, May 12, 2017, Oral Presentation.

12. CLINICAL VIGNETTES & INNOVATIONS

13. COMPARISON OF EXISTING PEDIATRIC EARLY WARNING SCORES AND THEIR BENEFITS AND DRAWBACKS

14. A RESEARCH AND QUALITY IMPROVEMENT AGENDA FOR PEDIATRIC RAPID RESPONSE SYSTEMS

15. STUDY OF THE PREDICTIVE VALUE OF THE ROTHMAN INDEX

16. TRANSFORMING DATA INTO LIFESAVING INTELLIGENCE
    Predictive Analytics: Transforming Data into Lifesaving Intelligence, Carolyn Scott, Chicago Health IT Summit, May 11, 2017, Oral Presentation.

17. VALUE OF THE ROTHMAN INDEX IN PREVENTING READMISSIONS
    The Preventable Readmissions Reduction Situation and its Charge to Help: Panel Discussion, Michael Rothman, PhD, San Jose Health IT Summit, April 13, 2017, Oral Presentation.

18. MORTALITY REDUCTION CASE STUDY

19. USING AN EHR-BASED ACUITY SCORE TO REDUCE MORTALITY AT AN ACADEMIC MEDICAL CENTER
    Mortality Reduction Associated with Surveillance Using an EMR-based Acuity Score at an Academic Medical Center, Katharine Walsh, 28th Annual IHI Scientific Symposium, December 5, 2016, Oral Presentation.

20. PEDIATRIC PREDICTOR OF ACUTE CARE TO INTENSIVE CARE TRANSFER
    A Commercially Available Acuity Score is a Predictor of Acute Care to Intensive Care Transfer, Christopher M Horvat, MD, Shriners Suresh MD, Foresthill Palmer MS, Melinda Roter Hamilton MD, George S. Altman PhD, Jaydny Ashline EBIN, Michael J. Rothman PhD, and Robert S. Clark MD, 8th World Congress on Pediatric Intensive and Critical Care, June 4-6, 2016.

21. RI-BASED SWAT TEAM SURVEILLANCE REDUCES MORTALITY

22. PROACTIVE Rounding by RRT Reduces CODE BLUES

23. IMPLEMENTATION OF CONDITION E TO ENHANCE INTERVENTION TIMELINESS

24. PREDICTING POST-DISCHARGE ADVERSE EVENTS IN A MOU
    Rothman Index as a predictor of post-discharge adverse events in a Medical Intensive Care Unit, Daepa B. Gutar, Janice Zimmerman, CHEST World Congress, April 14-17, 2016.
49 RETROSPECTIVE STUDY OF THE ROTHMAN INDEX AS A PREDICTOR OF 7-DAY READMISSION FOR ONCOLOGY PATIENTS WITH SOLID TUMORS
Rothman Index as a Predictor for Type of Discharge and Readmission Rates in a Cancer Hospital – the Yale Experience.
Daniel Morgensztern, Bing Xia, Chryssanthi Kournioti, Erin Wysong Hofstadter, Maurern Rauscu, Ashley Keyes, Alanne Montine, Elizabeth Biasiak, Elizabeth Rosenberg, Joan Rimar, Michael J. Rothman, Rogerio Ulienaubam, Yale University School of Medicine, New Haven, CT, Yale Cancer Center, New Haven, CT, Smilow Cancer Center, New Haven, CT, Yale New Haven Hospital, New Haven, CT, PeraHealth, Charlotte, NC, poster at – Annual Meeting of the American Society for Clinical Oncology, June, 2013.

50 SEPSIS, SEVERE SEPSIS, SEPTIC SHOCK – VISUALIZING DETERIORATION
Seeing Sepsis: A Picture is worth...
Joan Rimar, RN, DNSc, Peggy Simonette, RN, MSN, Brian Ksanx, BS, MS, Wendy O’Brien, BS, Charles Tom, Jr., Stephan Alegietto, DNSc, RN, Janis Bozzo, MSN, RN, Nancy F. Considine, BS, poster, 2013

51 EARLY IDENTIFICATION OF DETERIORATION – SHANNON HOSPITAL
Rothman Index: Leveraging the EHR to Identify Patient Decline Earlier, Willma Powell Stuart, Janette Dailey, (Shannon Hospital) Presentation at HIMSS, March 7, 2013.

52 IDENTIFYING AT-RISK PATIENTS
Patient Condition Index Tool Stratifies At Risk Patients; Improving Critical Thinking in a Complex Environment. Lori Hubbard, BSN, RN, Diane Vito, MS, MSN, RN, NEA-BC, Joan Rimar, DNSc, RN, Janis Bozzo, MSN, RN, Nancy F. Considine, BS, Yale-New Haven Hospital, accepted for presentation at the ANA Nursing Quality Conference, poster, Feb 6-8, 2013, Atlanta, GA.

53 CLINICAL RESULTS FROM YALE – NEW HAVEN HOSPITAL – COLORECTAL SURGERY
Automated Analysis of Electronic Medical Records Data Reflects the Pathophysiology of Surgical Complications, Joseph J. Tepas, MD, U of Florida College of Medicine, Allen L. Hsiao, MD, Yale University School of Medicine and Yale New Haven Hospital, Joan M. Rimar, DNSc, RN, Janis Bozzo, MSN, RN, Nancy F. Considine, BS, Yale-New Haven Hospital, 70th Annual Meeting of the Central Surgical Association on March 16, 2013. Oral Presentation

54 MORTALITY AND NURSING ASSESSMENTS

55 PATIENT SURVEILLANCE RESULTS FROM ORLANDO REGIONAL
Using data-driven algorithms in RRS proactive rounding - the air traffic controller has arrived, The 7th International Symposium on Rapid Response Systems, Sydney, May 7, 2012, Edgar Jimenez, MD, Orlando Regional Medical Center, Oral Presentation

56 VISUALIZATION OF PATIENT CONDITION
Visualizing Patient Condition – Biomedical Informatics Dept., Stanford University, May 7, 2012, Michael Rothman, invited lecture, Oral Presentation

57 VISUALIZATION TO FACILITATE COMMUNICATION

Updated: August 16, 2018