

*“The Rothman Index Story:  
One Family’s Loss Inspired a Purpose”*

Michael Rothman, PhD, will discuss the backstory of the acuity measurement system to be implemented in the Froedtert network



## Quality Grand Rounds

March 15: 7:30 – 8:30 a.m.

Helfaer Auditorium, 1<sup>st</sup> Floor, Froedtert Hospital

PRESENTED BY FROEDTERT QUALITY AND THE COLLABORATIVE FOR HEALTHCARE DELIVERY SCIENCE (CHDS)

# **The Rothman Index Story: One Family's Loss Inspired a Purpose**

**Thursday, March 15**

**7:30 AM - 8:30 AM**

15 min Q&A Session to follow

## **Quality Grand Rounds**

Helfaer Auditorium

1st Floor, Froedtert Hospital

**with videoconferencing to  
CMH Treiber 4 and SJH Conference Room A**



## **Michael Rothman, PhD**

Co-founder and Chief Science Officer, PeraHealth

**Michael Rothman co-founded PeraHealth in 2005 with his brother Steven, following the preventable death of their mother, Florence. PeraHealth's solutions are powered by the Rothman Index (RI), the most comprehensive predictive general measure of patient condition. The Rothman Index uses nursing assessments, laboratory values and vital signs to drive predictive analytics and creates a visual dashboard that helps clinicians identify early changes in patient condition – before these changes may be clinically apparent and early enough to prevent deterioration. Over the past 5 years, a growing body of robust research has demonstrated that the Rothman index prevents mortality in dramatic fashion – 30% at both Yale New Haven Medical Center and Houston Methodist hospital. F&MCW is set to go live with this functionality by the end of the June.**

Michael's career began at IBM's General Technology Division, after he earned his PhD in quantum chemistry. At IBM he worked in optimization, mathematical modeling and data analysis; work that led to a doubling of memory chip yields for mainframes. Michael also spent time at IBM's T. J. Watson Research Labs, in the AI department, engaged in research in machine learning.

Michael is a natural interpreter of information. As a manager and executive consultant for the IBM Consulting group, his duties included translating mathematical results into effective business strategies for major banks and financial institutions. Later, as Senior Vice President for Strategic Information at First USA Bank, Michael established a database to better determine customer preferences.

In 2000, he founded Michael Rothman & Associates to focus on data analysis and product development through consulting, patent filing and joint ventures. Projects have included developing a system generating customized discharge forms for hospitals, helping determine cash flow and profitability for a pharmaceutical company's newly introduced drugs, and pro bono work analyzing mortality data for a guide dog school.

**ACCME Accreditation Statement:** The Medical College of Wisconsin is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

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**Hours of Participation for Allied Health Professionals:** The Medical College of Wisconsin designates this activity for up to 1.0 hours of participation for continuing education for allied health professionals.

**This meeting is approved for  
AMA category 1 CME credit.**