

BUSINESS DISTINGUISHED SCHOLARS SEMINAR

Appropriateness in Healthcare: Impact of Variation in Cardiology, Emergency Medicine and Beyond



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SEK210



11:00 AM – 12:00 PM



English

Variation in clinical and operational decisions among health care professionals is well documented. Variation in clinical practice can lead to lower quality of care and poorer patient outcomes including in appropriate and costly procedures. It can also lead to wait times and poor utilization of scarce resources. Therefore the impact of these variations have significant consequences to operational efficiency. So understanding the cause of variation, its precise impacts and controlling it systematically using interventions that can be standardized across different health systems is an important undertaking.

We give examples of such variation from various parts of the health system including surgery, cardiology and emergency medicine and describe data driven interventions that have been implemented that show a measurable decrease. These interventions are scalable and their cost savings are significant.

In doing this work, we make contributions to estimation methods of parameters that underly decision making under risk.



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Mahesh is the senior associate dean for Research and the Alumni Chair Professor of Stochastic Optimization at the Sauder School of Business, University of British Columbia. His research interests include applications of optimization and mathematical modelling in the areas of cooperative game theory, stochastic inventory theory, health care operations, queueing and approximation algorithms etc. He has served(serves) as an AE for MS, OR, MATH OF OR, and a senior editor in POM and department editor at OR Letters and MSOM. He has won the informs optimization prize, the William skinner prize, Wagner Prize and UBC awards for research excellence in both the senior and junior categories.

All are Welcome!