Congratulations to our researchers

**Corinne Hohl** “Implementation of an Emergency Department-Based Adverse Drug Event Screening Strategy: A Demonstration Project” BC Health Services Purchasing Organization & Vancouver Coastal Health Authority. Total funding: $1,762,201. 2011-13.

**Jeff Brubacher** “Drug Impaired Driving: Evaluating the Threat to Traffic Safety”. Granting Agency: Michael Smith Foundation for Health Research (Scholar award) Value: $655,00 over 8 years.


**Kawai Cheung** “Hospital-Based Smoking Cessation Grant” Ministry of Health and Vancouver Coastal Health Authority. Value: $82,000. 2011-2012.

**Rose N, Hohl C.** “A Pilot Study Towards a Randomized Clinical Trial of Cast Immobilization versus Functional Therapy for Acute, Severe Lateral Ankle Sprains” Worksafe BC. Operating Grant, Value: $26,887.

**Kendall Ho** “eHealth summer camp”. TELUS. Total funding: $150,000. 2011 - 2012.


Congratulations Continued


Kawai Cheung “Summer Student Research Program 2011”, UBC Faculty of Medicine. Funding: $2800 for 2 months.


Research Activities

The VGH Emergency Medicine Research Division had another productive year in 2011. Office manager, Jan Buchanan, somehow managed to find space in the research office for over a dozen research assistants and student volunteers working on numerous research projects.

Adverse Drug Reactions. Corinne Hohl (PI) is actively continuing her research into the detection and early correction of emergency department patients who present with adverse drug reactions. Corinne’s presentation of the clinical decision rule her team developed to detect adverse drug events was awarded the 2011 Best Paper Award at the Scientific Assembly of the American College of Emergency Physicians in San Francisco (Oct 2011). Dr. Hohl is also leading a large demonstration project entitled “Implementation of an Emergency Department-Based Adverse Drug Event Screening Strategy: A Demonstration Project”. That project is funded by the BC Health Services Purchasing Organization & Vancouver Coastal Health Authority and is valued at $1,762,201.
Collaborative Research Policy

The VGH Department of Emergency Medicine has a tradition of producing high quality original research, and collaborating on the research initiatives of other VGH Departments or external groups. This academic mission must be balanced with the demands research places on Emergency Department patient care and teaching of Residents and Medical Students. In addition, simultaneous research projects may conflict with one another and may compete for the same patients as well as for the time and attention of our clerical, nursing, and medical staff. For these reasons, all potential studies which require signoff by the VGH Department of Emergency Medicine undergo internal review, approval, and prioritization.

It is expected that one or more members of the VGH Department of Emergency Medicine will be involved academically (as co-applicant on grants, and co-author on publications) on any significant peer-reviewed or investigator-initiated collaborative project conducted in the VGH Emergency Department. This involvement should commence during the development of the study protocol and the ED should receive appropriate acknowledgement for the role it plays for any such projects.

For further information on our research policy or to discuss a potential project please contact our Research Director (Jeff Brubacher; Jbrubacher@shaw.ca) or office manager (Jan Buchanan; Jan.Buchanan@vch.ca).

Research Activities Continued

Road Safety. Jeff Brubacher (PI) and Co-Investigators Roy Purssell and Herb Chan continue to work on their study “Cannabis and Motor Vehicle Crashes: A multicentre culpability study”. The goal is to determine the role of marijuana use in causing car crashes. The study is funded by the Canadian Institutes for Health Research ($910,000 over 5 years) and has been launched in 5 trauma centres across BC. Dr. Brubacher received an 8-year scholar award from the Michael Smith Foundation for Health Research which will allow him to continue this line of research. Brubacher and Purssell work closely with numerous road safety stakeholders across the province and nationally. The road safety team just submitted a grant application to the Canadian Institute of Health Research proposing to evaluate British Columbia’s new immediate
Research Activities Continued

roadside penalty (IRP) regime.

Smoking Cessation. KaWai Cheung continues her smoking cessation research. Last year, Dr Cheung received a mentored clinician scientist award for this project. This year she received funding ($82,000) from the BC Ministry of Health and from Vancouver Coastal Health to implement and evaluate a smoking cessation project in the Vancouver General Hospital Emergency Department. KaWai recruited a team of student volunteers and is enrolling patients for a randomized-controlled trial of smoking cessation counseling through Quit Now.

Sports Medicine. Dr. Nick Rose, among his long list of credentials, is fellowship trained in Sports Medicine. Nick completed his study of ultrasound guided hematoma block for distal radius fractures and is now planning a randomized trial comparing cast immobilization with functional therapy for severe ankle sprains. Nick received a grant from Worksafe BC ($26,887) for a pilot study.

Research Education. Riyad Abu-laban, UBC Department of Emergency Medicine Research Director, spent countless hours developing the Novel Education in Research & Design (NERD) program to teach emergency medicine residents about research. This unique program was very well received

Publications

Publications Continued

Hospital Transfers and Care Quality in One Large British Columbia Health Region. Canadian Journal on Aging/Revue Canadienne du vieillissement, 30, 551-561, 2011.


Since 1997, VGH EM Researchers have received 7 salary awards

Dr. Eric Vu Prehospital Care

Publications Continued


Publications Continued


Abstracts and Presentations

1. Abu-Laban RB. ED Overcrowding: Do We Have a Moral Imperative to Act? June 2011, CAEP conference, St. John’s Newfoundland


Abstracts and Presentations Continued


15. **Dr. Kawai Cheung**: A Randomized Controlled Trial of an ED Based Smoking Cessation Counselling Program. UBD, DEM Research Rounds, 2011.


18. **Dick W.** Coronary Computed Tomographic Angiography in Emergency
Abstracts and Presentations Continued


32. Ho K. Public Health Informatics: introduction (Guest faculty), Hong Kong University School of Public Health. Aug 2011.

33. Ho K. eHealth and global Health (Keynote speaker), University of Missouri Health and Bioinformatics day. Missouri, Oct 2011.


Abstracts and Presentations Continued


40. Hohl CM. Emergency Department Adverse Drug Event Screening Project: A Regional Demonstration Project. Presented to the Pharmacy Departments of Lion’s Gate Hospital, Richmond Hospital, Saint Paul’s Hospital, and Vancouver General Hospital. 2011.


43. Hohl CM. Implementing an Adverse Drug Event Screening Program in Four Emergency Departments: Methods for Evaluating a Complex Medical Intervention. Research Rounds. UBC DEM.

44. Hohl CM. Risk Stratification in Medication Reconciliation and Adverse Drug Event Screening: A Demonstration Project. BC Quality and Patient Safety Conference, Victoria, BC.

45. Hohl CM. Adverse Drug Events in the Emergency Department – Should we Care? Grand Rounds. Lion’s Gate Hospital, North Vancouver, BC


47. Khazei A. Hyperbaric and Diving Medicine as a sub-specialty of Emergency Medicine, UBC Undergraduate Medical Students Careers night. Vancouver General Hospital, Mar 2011.


Abstracts and Presentations Continued


52. Khazei A. Simulation-assisted Emergency Medicine Procedures (SEMP) Course. CESEI, Vancouver General Hospital, Nov 2011.


61. Purssell RA. Five Articles in Toxicology that have changed my Practice. 25th Anniversary Conference Poison and Drug Information Centre of Alberta, Calgary, Nov 2011.


Research Personnel

**Director**
- Jeff Brubacher (Jbrubacher@shaw.ca)

**Office Manager**
- Jan Buchanan (Jan.Buchanan@vch.ca)

**Investigators**
- Riyad Abu-Laban (Research Education)
- Jeff Brubacher (Road Safety)
- KaWai Cheung (Smoking Cessation)
- William Dick (Coronary Angiography)
- Lyne Filiatrault (Quality Assurance)
- Kendall Ho (Knowledge Translation)
- Corinne Hohl (Adverse Drug Reactions)
- Roy Purssell (Road Safety)
- David Sweet (Sepsis)

**Advisory Committee:**
- Riyad Abu-Laban, MD, MHSc
- Jan Buchanan, RN
- Jeff Brubacher, MD, MSc
- Brian Chung, MD
- Lannon de Best, RN
- Corinne Hohl, MD
- Caroline McIntyre, MD
- Doug McKnight, MD
- Roy Purssell, MD

**Research Coordinators:**
- Angela Aquino (Traumatic Brain Injury)
- Herb Chan (Road Safety)

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Smoking Cessation: Ely Weston, Dr. KaWai Cheung, Amanda Lane, Svea Ogilvie, Leah Hawirko

Adverse drug reactions: Cindy Luo, Katherin Badke, Kseniya Chernushkin, Tila Pelletier, Christina Bui, Dr. Corinne Hohl, Lisa Reddekopp, Michelle Wong, Tony Kiang, Habnam Iqbal

Road Safety: Dr. Jeff Brubacher, Herb Chan, PhD, Benjamin Tuyp, Karan D’souza (sitting).