



Welcome to our first quarterly research newsletter. The goal of this publication is to provide useful information and education to the St. John Hospital and Medical Center research community. We will also highlight the many accomplishments of our faculty, fellows, residents, nurses and other staff. I hope you find this newsletter informative, useful and even entertaining.

In this first edition, I would like to highlight the resources available to you as you pursue your endeavors in research and scholarly activity.

The research department is available to help you with protocol development, sample size calculations, statistical analysis and presentations. Our goal is to help you in every phase of project development and execution. We are here to serve you.

If you are reading a journal article and have a question about statistics—we are here to help. If you need help designing and printing a poster, please call on us.

St. John Hospital and Medical Center has a long history of excellence in research and scholarly activity. During this past year, our residents in Pediatrics swept the awards at the SEMCME Pediatric Research Forum. Our Internal Medicine residents have a record-high level of acceptance of abstracts at ACP. Our department of Surgery is widely published. We are doing great things in research...our goal is to help support and continue this success in the many years to come.

Please feel free to reach out to me if you have any questions or need guidance with your scholarly research endeavors. If you have suggestions for the newsletter, please contact me or Alice Mar.

Dr. Susanna Szpunar

Director, Biomedical Investigations and Research

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Research Notes

When conducting research, we have a duty to protect the privacy and confidentiality of patient data. Please follow these steps to protect patient data:

1. All data collection should occur on St. John premises.
2. Research data should only be viewed by IRB-approved members of your research team.
3. Always keep patient lists or paper data collection forms in a locked file cabinet or locker when not in use.
4. Don't take patient data home with you.
5. All electronic data should be stored on a St. John network, password-protected, encrypted computer.
6. Patient data should never be stored on a home computer.

Treat all confidential patient information the way that you would want your own information to be protected. In this way, we maintain the trust of our patients and are compliant in following HIPAA regulations.

Fast Stats

How many times have you written the words "Student's t -test"? Who was "Student"? Why, in 109 years, is he still a student? Is he ever going to graduate?

The t distribution is important in statistical inference. It was first discovered in 1908 by W. S. Gosset (1876-1937), a brewer with Messrs. Guinness in Dublin. Gosset was responsible for introducing statistical techniques to the brewing industry. He left his brewing post briefly to study statistics and was sent, in 1935, to head the new Guinness brewery in London. His statistical publications were published under the pseudonym "Student", perhaps to avoid making Guinness's competitors aware that breweries might profit from statistical methods. Gosset is considered to be the founder of exact statistical inference. So, let's raise a glass to Student!

Remington RD, Schork MA. Statistics with application to the biological health sciences. Prentice Hall, New Jersey; 1970.



The 2017 Resident Research Day presenters

St. John Hospital’s Annual Resident Research Day was held on April 25th, 2017. There were 24 resident research studies presented, either as oral presentations or in poster format. Judges from area hospitals and different programs scored the presentations.

Oral Presentation Winners

First Place: Mary Dolan, DO – Pediatrics

Anticipatory Guidance in the Postpartum Period: The Benefit of Enrolling Mothers in a Statewide Tobacco Quitline

Second Place: Humaira Rizvi, MD – Internal Medicine

The Association of Health Literacy and 30 day Readmissions in Patients with Congestive Heart Failure

Third Place (Tie): Christin Lawrence, DO – Pediatrics

Incidence of Hypothermia and Hypercapnia in Newborn Infants Requiring Surgery

Third Place (Tie): Brooke Vasicek, MD – Transitional Year

Primary Prevention of Skin Cancer: Do Patients Have the Knowledge They Need?

Poster Presentation Winners

First Place: Jason Mouabbi, MD – Internal Medicine

Neutrophil-to-Lymphocyte Ratio and Platelet-to-Lymphocyte Ratio as Predictive Markers for Deep Vein Thrombosis

Second Place: Rofida Nofal, MD – Pediatrics

Immunization Rates in Patients with Sickle Cell Disease

ACP Competition Winners

Congratulations to two of our Internal Medicine residents for an outstanding job at the American College of Physicians Resident’s Day meeting in May:

Dr. Rami Zein won First Place for his poster presentation in the category of research for his study: “The Association of Clinical and Echocardiographic Findings with New Onset Heart Failure with Reduced Ejection Fraction”.

Dr. Jason Mouabbi won Third Place for his oral presentation in the category of research for his study: “Neutrophil to Lymphocyte Ratio and Platelet to Lymphocyte Ratio as Predictive Markers for Unprovoked Deep Vein Thrombosis”.



Research Investigator Spotlight



Louis Saravolatz, MD, MACP is the Chief of Medicine at St. John Hospital and Medical Center. He is also a professor of Medicine at Wayne State University and the Governor of the Michigan Chapter of the American College of Physicians (ACP). Dr. Saravolatz is a specialist in Infectious Disease and has numerous research studies and publications in the area of infectious disease.

Dr. Saravolatz is the special sections editor on reviews of anti-infective agents in the journal *Clinical Infectious Diseases*.

Dr. Saravolatz has been instrumental in supporting and improving the quality of scholarly activity by residents, fellows and faculty at St. John Hospital and Medical Center.

THANK YOU, Dr. Saravolatz!

Upcoming CAML Lectures:

August 18, 2017: The Scholarly Activity Project: Step by Step

Dr. Susanna Szpunar, SJH&MC Auditorium

September 15, 2017: Research Design

Dr. Susanna Szpunar, SJH&MC Auditorium



Save the Date: September 14, 2017

Research Onboarding for New Investigators and Study Staff

More Details and Registration Info to come!

SEMCME 2017-2018 Research Workshop Series

This series was developed for residents at SEMCME member hospitals to learn fundamentals of research methodology.

Workshop I (Oct. 4): Formulating a Hypothesis

Workshop II (Nov. 8): Research Design and Testing

Workshop III (Dec. 6): Written and Oral Presentation of Scientific Research

Click here for the course information [brochure](#) and to [register online](#). If you are a resident interested in attending the Research Workshops, please speak to your residency program coordinator before registering.

About SEMCME

The Southeast Michigan Center for Medical Education was established in 1974 for assisting in the education of medical students, medical residents, faculty, and other health professionals. Its primary mission is to stimulate the delivery of quality care through excellence in graduate medical education and faculty development. SEMCME is the largest community-based medical education consortium in the Midwest. There are 212 accredited residency and fellowship programs in 81 specialties and subspecialties, 3,198 approved residency and fellowship positions and over 4,000 university and community faculty. Click here for the [SEMCME website](#).

Upcoming CME Seminars

Update in Infectious Diseases – Sept. 13, 2017

Transgender Medicine – November 8, 2017

Cardiology Update – December 6, 2017

Note: Physicians wishing to complete their mandatory requirements for CME go to WWW.MI.CME.EDU to access the courses.

For information about the CME program at St. John Hospital, click here <http://www.stjohnprovidence.org/sjhmccme>

Institutional Review Board News

Common Rule Update

The U.S. Department of Health and Human Services issued final revisions to the Federal Policy for the Protection of Human Subjects (the Common Rule) and published them on January 19, 2017. The new Common Rule will change the review of minimal risk studies and implements new steps to better protect human subjects involved in research. The Rule becomes effective January 19, 2018.

HIPAA Privacy Rule

A brief overview:

- Privacy Rule standards address the use and disclosure of individuals' health information—called "protected health information" by organizations subject to the Privacy Rule — called "covered entities," as well as standards for individuals' privacy rights to understand and control how their health information is used.
- A major goal of the Privacy Rule is to assure that individuals' health information is properly protected while allowing the flow of health information needed to provide and promote high quality health care and to protect the public's health and well being.
- The Rule strikes a balance that permits important uses of information, while protecting the privacy of people who seek care and healing.
- The Privacy Rule, as well as all the Administrative Simplification rules, apply to health plans, health care clearinghouses, and to any health care provider who transmits health information in electronic form in connection with transactions for which the Secretary of HHS has adopted standards under HIPAA (the "covered entities").

Visit [Privacy Rule](#) to view the entire Rule, and for other additional helpful information . (HHS.gov)

For more information about the regulations, contact Lee Booze-Battle at lee.booze-battle@ascension.org

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Research Funnies

