

41st Annual

SEMCME Research Forum

May 22, 2019

8:00 am – 2:00 pm

The Henry Ford - Lovett Hall
Dearborn, Michigan

Presented by

**Southeast Michigan Center for Medical Education
Research Committee**

In Collaboration with

SEMCME Member Hospitals and Institutions



Beaumont





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ABOUT THE FORUM

The Southeast Michigan Center for Medical Education and its member hospitals are pleased to present the 41st Annual SEMCME Research Forum. In addition to their academic and clinical responsibilities, residents in graduate medical education programs participate in research activities. The Forum was established in 1978 to recognize the research efforts of the residents from our member hospitals and to recognize their scholarly achievements.

This year the format has been revised to allow for more poster presentations while showcasing eleven presentations from the podium. The more than 35 papers presented today represent the best research effort by SEMCME residents. All were selected from clinic day competition at the following SEMCME member institutions:

- Ascension Providence Hospital
- Ascension Providence Rochester Hospital
- Ascension St. John Hospital
- Beaumont Hospital, Dearborn
- Beaumont Hospital, Royal Oak
- Detroit Medical Center
- Henry Ford Hospital
- McLaren Flint Regional Medical Center
- St. Joseph Mercy Ann Arbor
- St. Joseph Mercy Oakland
- St. Mary Mercy Hospital
- Wayne State University School of Medicine



Residents will compete in either slide or poster format and their research will be judged on originality, quality of research, and effectiveness of presentation. Over \$4,000 in cash prizes and awards will be presented at the awards ceremony immediately following the competition.

DAVID R. PIEPER SEMCME RESEARCH AWARD

The first place winner in the slide competition will receive the inaugural David R. Pieper, PhD SEMCME Research Award. This Award, in the form of a handsome silver medallion, will honor the many outstanding contributions made by Dr. David Pieper – researcher, faculty educator, mentor, and longtime Executive Director of SEMCME. Dr. Pieper’s exceptional dedication and leadership spans the continuum of medical education – undergraduate, graduate, and continuing medical education and in so doing, he has greatly advanced the field of medical education in Michigan and beyond.



DAWSON AWARD

The Dawson Award, also in the form of a silver medallion, will be presented to the first place winner in this year’s poster competition. For over 40 years, this coveted Award has recognized the many contributions made by Donald Dawson, MD, a dynamic surgeon and medical researcher involved in early discussions of “cutting edge” medical education consortia in SE Michigan.



OVERVIEW OF FORUM SCHEDULE

• Slide Presentations --- Agenda

2nd Floor Ballroom

<u>Time</u>	<u>Activity</u>
8:00 am	Slide Presenter Check-in & Continental Breakfast
8:05 am	Slide Competition Judges Meeting in Ballroom
8:20 am	Welcome & Introductions
8:30 am	Abstracts 1 – 6
10:00 am	Break
10:15 am	Abstracts 7 – 11
11:30 am	Judges Meet to Review Final Results for Slide Competition (Ballroom)
12:00 pm	Luncheon
12:45 pm	<i>Allen Silbergleit, MD, PHD Lecture</i>
1:30 pm	Awards Ceremony
1:45 pm	Adjournment

• Poster Presentations --- Agenda

Lower Level Lobby

<u>Time</u>	<u>Activity</u>
8:00 am	Registration & Breakfast (2nd Floor) Poster Setup (1st Floor)
9:15 am	Poster Judges Meeting in Library
9:30 am	Poster Judging Posters: 1, 2, 3, 4 Posters: 10, 11, 12, 13 Posters: 18, 19, 20, 21
10:10 am	Break
10:20 am	Poster Judging Posters: 5, 6, 7, 8 Posters: 14, 15, 16, 17 Posters: 22, 23, 24, 25
11:00 am	Break
11:10 am	Poster Judging Posters: 9 & 26
11:20 am	Judges Meet to Review Final Results for Poster Competition (Library)
12:00 pm	Luncheon
12:45 pm	<i>Allen Silbergleit, MD, PHD Lecture</i>
1:30 pm	Awards Ceremony
1:45 pm	Adjournment

SCHEDULE OF SLIDE PRESENTATIONS ¹

- 8:30 am **Evolution of Lobar Abnormalities of Cerebral Glucose Metabolism in 41 Children with Drug-Resistant Epilepsy**
Author: Tuhina Govil-Dalela, MD
Department of Pediatrics, Children's Hospital of Michigan
Faculty Sponsors: Ajay Kumar; Michael Behen; Harry T. Chugani; Csaba Juhász
- 8:45 am **Total Radiation Exposure in Pediatric Patients Undergoing Closed or Open Reduction and Spica Casting for Hip Dysplasia**
Author: Angela Collins, MD, PhD
Department of Orthopedic Surgery, McLaren Flint
Faculty Sponsors: James Ostrander, MD; Glen Baird, MD; Brian Tompkins, MD
- 9:00 am **Concomitant Use of Direct Oral Anticoagulants and Aspirin for Cardiovascular Events Prevention in Atrial Fibrillation and Flutter**
Author: Ahmad Said, MD
Department of Internal Medicine, Beaumont Hospital, Royal Oak
Faculty Sponsors: Scott Keeney, DO; Alexandra Halalau, MD, FACP
- 9:15 am **Decreasing Postoperative Opioid Prescribing Following Elective Colon Surgery**
Authors: Monica Zipple, MD*; Brian Smith, DO
Department of General Surgery, St. Joseph Mercy Oakland
Faculty Sponsors: Farouk Tootla, MD, FACS, FASCRS; Sujeivan Mahendram MSc, BSc
- 9:30 am **Lactic Acid/Albumin Ratio as a Prognostic Marker for Multiple Organ Dysfunction Syndrome and Mortality in Patients with Sepsis Admitted to the Intensive Care Unit**
Authors: Fawad Shahid, MD*; Aryan Shiari, MD; Zaid Noori, MD
Department of Internal Medicine, Ascension St. John Hospital
Faculty Sponsors: Rajaninder Sharma, MD; Susan Szpunar, PhD
- 9:45 am **Suicidal Ideation and Sobriety: How Definitive is the Determination of Suicidal Ideation in the Inebriated Emergency Department Patient? A Pilot Study**
Authors: Alexander Molter MD*; Philip Talarico MD; Hisham Valiuddin, MD
Department of Psychiatry, St. Mary Mercy Hospital
Faculty Sponsors: Honesty Lee, DO; Brandon Moore, MD; Daniel Keyes, MD
- 10:00 am Break

¹The principal author is listed first. With co-authors the presenter is designated by an asterisk*.

- 10:15 am **Fusion and Opioid-sparing with the Use of Ketorolac in Posterior Thoracolumbar Spinal Fusions: A Prospective Double-blinded Randomized Placebo-controlled Trial**
 Authors: Chad F. Claus, DO*; Evan Lytle, DO; Dejan Slavnic, DO; Jacob Jasinski, DO; Robert McCabe, DO
 Department of Neurosurgery, Ascension Providence Hospital
 Faculty Sponsors: Doris Tong, MD; Diana Sigler, RPh; Boyd Richards, DO; Teck Soo, MD
- 10:30 am **Pain Control After Total Hip Arthroplasty: A Randomized Trial Determining the Efficacy of Fascia Iliaca Compartment Blocks in the Post Operative Period**
 Authors: Kamil Bober, MD*; Allen Kadado, MD
 Department of Orthopedic Surgery, Henry Ford Hospital
 Faculty Sponsors: Trevor North, MD; Michael Charters, MD
- 10:45 am **Assessing Association of Readmission Rate with Timeliness and Quality of Discharge Summaries in a Community Hospital: A Retrospective Study**
 Authors: Ankita Aggarwal MD*; Anubhav Jain, MD
 Department of Internal Medicine, Ascension Providence Rochester Hospital
 Faculty Sponsors: Mohammad Fityan, MD; Sarwan Kumar, MD
- 11:00 am **Androgen Deprivation Therapy Given After Radiation is the Most Effective Timing in the Treatment of Prostate Cancer**
 Author: Steven Allen, MD, PhD
 Department of Transitional Year, St. Joseph Mercy Hospital Ann Arbor
 Faculty Sponsor: Daniel Spratt, MD
- 11:15 am **Characterization of Epicardial Fat Volumes in Patients with Psoriasis**
 Author: Stephen Neville, MD
 Department of Transitional Year, Beaumont Hospital, Dearborn
 Faculty Sponsors: Charles Ellis; Mohamed Sayyoub; James T Elder; Tianwen Ma; Rajan Nair; Melvin Rubenfire; Ella A Kazerooni; J. Gudjonsson; Prachi P Agarwal
- 12:00 pm **Luncheon and Allen Silbergleit, MD, PhD Lecture**
 "Extra-Terrestrial Medical Care"
 Scott Dulchavsky, MD, PhD
 Professor of Surgery, Molecular Biology, and Genetics
 Wayne State University School of Medicine
 Roy D. McClure Chairman of Surgery and Surgeon-in-Chief
 Henry Ford Health System, Detroit, MI
- 1:30 pm **Awards Ceremony** – Ballroom
- 1:45 pm **Adjournment**

POSTER PRESENTATIONS ¹

9:30 – 9:40 am Posters #1, #10, #18

- Poster #1* **Hybrid Robotic Versus Open Transversus Abdominus Release: An AHSQC Analysis**
Authors: Alexander DeMare, MD*; Joshua Halka, MD; Andrew Vasyluk, MD
Department of General Surgery, Beaumont Hospital, Royal Oak
Faculty Sponsors: Anthony Iacco, MD; Randy Janczyk, MD
- Poster #10* **Intravenous and Oral Tranexamic Acid are Equivalent at Reducing Blood Loss in Thoracolumbar Spinal Fusion: A Prospective Randomized Trial**
Authors: Charles C. Yu, MD*; Omar Kadri, MD; Allen Kadado, MD
Department of Orthopedic Surgery, Henry Ford Hospital
Faculty Sponsors: Stephen Bartol, MD; Gregory Graziano, MD
- Poster #18* **Teaching Billing and Coding in a Residency Program with a Plan for Improvement**
Author: Kristin Renwick, MD
Department of Family Medicine, Ascension Providence Hospital
Faculty Sponsors: Stacey Bartell, MD; Jamila Taylor, MD; Jacqueline Childs, MD

9:40 – 9:50 am Posters #2, #11, #19

- Poster #2* **Comparison of Admission Rates Among Patients Treated by Male and Female Emergency Physicians: A Multicenter Study**
Authors: Hisham Valiuddin, MD*; Michelle Fallon, MD
Department of Emergency Medicine, St. Mary Mercy Hospital
Faculty Sponsor: Hope Ring, MD
- Poster #11* **Phenobarbital versus Lorazepam for Alcohol Withdrawal Syndrome: A Retrospective Cohort Study**
Authors: Fadi Hawa MD*; Benjamin Gilbert, DO; Linsey Gilbert DO
Department of Internal Medicine, St. Joseph Mercy Ann Arbor
Faculty Sponsors: Vanessa Hereford MD; Mark Weiner MD; Ola Al-Sous MD
- Poster #19* **Outcomes of Elective Right vs. Left Colectomy for Colon Cancer in Veterans**
Authors: Awni Shahait, MD*; Mohammed Padela, MD
Department of General Surgery, Detroit Medical Center/WSU
Faculty Sponsors: Khaled Saleh, MD; Donald Weaver, MD; Scott A. Gruber, MD; Gamal Mostafa, MD

¹The principal author is listed first. With co-authors the presenter is designated by an asterisk*.

9:50 – 10:00 am Posters #3, #12, #20

Poster #3 **Targeting Inappropriate Stress Ulcer Prophylaxis: A Multidisciplinary Approach**

Authors: Asadullah Mahmood, MD*; Naba Saeed, MD; Azra Niaz, MD.; Ali BaniSaad, MD; Roheila Syedetabei, MD; Farzane Seidefard, MD
Department of Internal Medicine, Beaumont Hospital, Dearborn
Faculty Sponsors: Sean McConachie, PharmD; Sadiq Jafri, DO; Rajiv John, MD

Poster #12 **Buprenorphine Waiver Training for Psychiatry Residents: A Response to the Opioid Crisis**

Authors: Mustafa Taquee MD*; Renee Bayer MD
Department of Psychiatry, St. Mary Mercy Hospital
Faculty Sponsor: Brandon Moore MD

Poster #20 **Trends of 5-ASA Medication Use in Patients with Crohn's Disease**

Author: Mohamed Noureldin, MD, MS
Department of Internal Medicine, Beaumont Hospital, Dearborn
Faculty Sponsor: Akbar Waljee, MD, MSc

10:00 – 10:10 am Posters #4, #13, #21

Poster #4 **Are We Really Having This Conversation? Identifying Barriers To Addressing Advanced Directives**

Author: Shady Hammoud, MD
Department of Internal Medicine, St. Joseph Mercy Oakland
Faculty Sponsor: Jacky Duong, DO

Poster #13 **Opioid Prescribing Trends: A Comparison of Focused Resident Intervention and State of Michigan Mandates**

Authors: Victoria Simmons, MD*; Sejul Chaudhary, MD
Department of General Surgery, Ascension Providence Hospital
Faculty Sponsors: Elango Edhayan, MD, FACS; Karen H. Hagglund, MS

Poster #21 **Long-Term Risk of Recurrence in Surgically Treated Renal Cell Carcinoma: A Post-Hoc Analysis of the Eastern Cooperative Oncology Group - American College of Radiology Imaging Network E2805 Trial Cohort**

Authors: Marcus L. Jamil, MD*; Akshay Sood, MD; Deepansh Dalela, MD; Sohrab Arora, MD
Department of Urology, Henry Ford Hospital
Faculty Sponsors: James O. Peabody, MD; Quoc-Dien Trinh, MD; Mani Menon, MD; Craig G. Rogers, MD; Firas Abdollah, MD

10:10 – 10:20 am Break

10:20 – 10:30 am Posters #5, #14, #22

- Poster #5* **Opioid Requirements in Laparoscopic Colectomies: Do ERAS Protocols Make a Difference?**
Authors: Danielle Reilly, MD*; Samer Kawak, MD; Joanna Wasvary
Department of General Surgery, Beaumont Hospital, Royal Oak
Faculty Sponsors: Matthew Ziegler, MD; Harry Wasvary, MD
- Poster #14* **A Pilot Study of Radiochromic Film for the QA of Prone Breast Irradiation**
Author: Dennis P Chan, MD
Department of Radiation Oncology, Detroit Medical Center
Faculty Sponsors: Brian Loughery, PhD; Jay Burmeister, PhD; Michael Dominello, DO
- Poster #22* **Associating Mean Arterial Pressure After In-Hospital Cardiac Arrest With Neurological and Overall Outcomes**
Authors: Sourabh Bidhan, MD*; Manishkumar Patel, MD; Ankita Aggarwal, MD; Fred Bittner MD; Kristen Hughes MD
Department of Internal Medicine, Ascension Providence Hospital
Faculty Sponsors: Mohammad Fityan MD; Sarwan Kumar

10:30 – 10:40 am Posters #6, #15, #23

- Poster #6* **Improving Cervical Cancer Screening Rates in a Resident Run Clinic- A QI Project**
Authors: Sarah Finlay, MD*; Fatima Fayyaz, MD
Department of Internal Medicine, St. Joseph Mercy Hospital Ann Arbor
Faculty Sponsor: Afnan Ammar
- Poster #15* **Implementation of a COPD Management Plan to Improve Compliance with Evidence-Based Guidelines**
Authors: Ali Ahmad, MD*; Lakshmi Kollu, MD; Tryphene Saint-Phard; Hagop Ghareebian, MD
Department of Internal Medicine, McLaren Flint
Faculty Sponsor: Orimisan S. Adekolujo, MD
- Poster #23* **Screening for Concussions in the Primary Care Setting: Are We Causing a Bigger Headache?**
Author: Lauren Greene, MD
Department of Family Medicine, Ascension St. John Hospital
Faculty Sponsors: Chandrika Iyer, MD; Susan Szpunar, PhD

10:40 – 10:50 am Posters #7, #16, #24

- Poster #7* **Frame-Based and Masked Stereotactic Radiosurgery: A Patient Experience Comparison with the Gamma Knife Icon**
Author: Troy Dawley, DO
Department of Neurosurgery, Ascension Providence Hospital
Faculty Sponsors: Zaker Rana, MD; Anuj Goenka, MD; Michael Schulder, MD
- Poster #16* **Visualization of IDH1 R132H Hypermethylator Phenotype with Stimulated Raman Scattering Microscopy**
Author: Spencer Lewis, MD
Department of Transitional Year, St. Joseph Mercy Hospital Ann Arbor
Faculty Sponsor: Daniel Orringer, MD
- Poster #24* **Spica Casting Alters Occupant Response in Frontal and Side Impact Motor Vehicle Collisions**
Authors: Angela Collins MD, PhD*; Sean Caskey, DO; Matthew Mead, MD; Jonas Owen, MD
Department of Orthopedic Surgery, McLaren Flint
Faculty Sponsors: Norman Walter, MD; Theresa Atkinson, PhD; Pat Atkinson, PhD

10:50 – 11:00 am Posters #8, #17, #25

- Poster #8* **Push Enteroscopy in the Evaluation of LVAD Patients Presenting with GI Bleeding**
Authors: Sandra Naffouj, MD*; Mouhanna Abu Ghanimeh; Areej Mazhar; Mahmoud Isseh
Department of Internal Medicine, Henry Ford Hospital
Faculty Sponsors: Anas Kutait; Mark Blumenkehl
- Poster #17* **Access to Cancer-Directed Surgery in the United States after Medicaid Expansion: A Step Towards Reducing Health Disparities**
Author: Jose Wilson Mesquita-Neto, MD
Department of Surgery, Detroit Medical Center/Detroit Receiving Hospital
Faculty Sponsors: Donald Weaver, MD; Steve Kim, MD
- Poster #25* **Correction of Hallux Abducto Valgus Deformity Utilizing Closing Base Wedge Osteotomy: A Study Of 101 Patients**
Author: Hannah Khlopa, DPM
Department of Podiatry, Beaumont Hospital, Dearborn
Faculty Sponsor: Lawrence M. Fallat, DPM, FACFAS

11:00 – 11:10 am Break

Poster #9 **Does Prior Exposure to Death and Dying Impact Discussing End-of-Life Wishes?**
Author: Melissa Patterson, MD, MBA
Department of Family Medicine, Ascension St. John Hospital
Faculty Sponsors: Jeanette Wilson, MD; Karen H. Hagglund, MS

Poster #26 **Pediatric Laparoscopic Gastrostomy with T-Fasteners: A Technique to Decrease Surgical Site Infection**
Author: Alexander DeMare, MD
Department of General Surgery, Beaumont Hospital, Royal Oak
Faculty Sponsors: Begum Akay, MD; Pavan Brahmamdam, MD

12:00 pm *Luncheon and Allen Silbergleit, MD, PhD Annual Lecture*
“Extra-Terrestrial Medical Care”
Scott Dulchavsky, MD, PhD
Professor of Surgery, Molecular Biology, and Genetics
Wayne State University School of Medicine
Roy D. McClure Chairman of Surgery and Surgeon in Chief
Henry Ford Health System, Detroit, MI

1:30 pm Awards Ceremony – Ballroom

1:45 pm Adjournment



SLIDE COMPETITION JUDGES

Joseph C. Dunbar, PhD, Professor and Associate Vice President for Research, Department of Physiology, Wayne State University School of Medicine, Detroit, Michigan

Robert Malinowski, PhD, DVM, MA, Associate Director, Office of Assessment, Michigan State University College of Human Medicine, East Lansing, Michigan

Edward E. McKee, PhD, Senior Associate Dean for Research and Professor, Foundational Sciences College of Medicine, Central Michigan University, Mt. Pleasant, Michigan

Gustavo Patino, MD, PhD, MS, Assistant Professor of Neuroscience, Department of Biomedical Sciences, Oakland University William Beaumont School of Medicine, Rochester, Michigan

POSTER COMPETITION JUDGES

Carlos Rios-Bedoya, ScD, MPH, Corporate Director of the Division of Scholarly Inquiry, McLaren Health Care and Assistant Professor, Department of Family Medicine Clinical Center, Michigan State University, East Lansing, Michigan

Daniel Keyes, MD, MPH, Associate Professor, Michigan State University and Associate Chair for Academic Affairs & Director of Research, Department of Emergency Medicine, St. Mary Mercy Hospital, Livonia, Michigan

Wilbur L. Smith, MD, Director of Medical Education, St. Joseph Mercy Oakland, Pontiac and Professor of Radiology, Wayne State University School of Medicine, Detroit, Michigan

Anupam Suneja, MD, MPH, Medical Director, Academic Research; Chair, Research Committee; Associate Program Director and Residency Research Director, Internal Medicine Residency Program, St. Joseph Mercy Hospital, Ann Arbor, Michigan

Virginia (Ginnie) Uhley PhD, RDN, Assistant Professor, Biomedical Sciences, Oakland University William Beaumont School of Medicine and Assistant Professor, Family Medicine and Community Health, Beaumont Health System, Rochester, Michigan

Patricia Wilkerson-Uddyback, MD, Vice President of Academic and Community Affairs at Detroit Medical Center, Detroit, Michigan

ABOUT SEMCME

The Southeast Michigan Center for Medical Education was established in 1974 for the purpose of coordinating and 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 277 accredited residency and fellowship programs in over 90 specialties and sub-specialties, 3,636 approved residency and fellowship positions and over 4,000 university and community faculty.

The participating hospitals are:

- Ascension Providence Hospital, Novi
- Ascension Providence Hospital, Southfield
- Ascension Providence Rochester Hospital
- Ascension St. John Hospital
- Beaumont Hospital, Dearborn
- Beaumont Hospital, Farmington Hills
- Beaumont Hospital, Royal Oak
- Detroit Medical Center Hospitals
- Henry Ford Hospital
- McLaren Health Care Hospitals
- St. Joseph Mercy Ann Arbor
- St. Joseph Mercy Oakland
- St. Mary Mercy Livonia



Wayne State University School of Medicine and Oakland University William Beaumont School of Medicine also participate as educational members of SEMCME. These universities make a vital contribution to SEMCME's education efforts.

The Southeast Michigan Center for Medical Education has established a process of pooling ideas for innovative medical education. Cooperation among member hospitals and universities, and the sharing of knowledge and experience, achieves educational benefits which no single institution can obtain alone.

SEMCME RESEARCH COMMITTEE

Lisa Dillon, PhD, Academic Director, Graduate Medical Education, Detroit Medical Center
Detroit, Michigan

Mark Garcia, DO, Clinical Faculty, Family Medicine, McLaren Greater Lansing, Michigan

Karen Hagglund, MS (CHAIR), Medical Researcher, Department of Medical Education
Ascension St. John Hospital, Detroit, Michigan

Alexandra Halalau, MD, FACP, Associate Program Director, Department of Internal Medicine,
Beaumont Hospital, Royal Oak, Michigan

Barbara Higgins, RN, BSH, CCRC, Clinical Research Nurse Educator, Administrative Nurse
Manager, Research Institute, Beaumont Hospital, Royal Oak, Michigan

Kedar V Inamdar, MD, PhD, Residency Program Director, Anatomic & Clinical Pathology
Henry Ford Hospital, Detroit, Michigan

Nancy Jackson, PhD, Associate Medical Researcher, Department of Research, Ascension
Providence Hospital, Southfield, Michigan

Daniel Keyes, MD, MPH, Associate Chair for Academic Affairs, Department of Emergency
Medicine, St. Mary Mercy Hospital, Livonia, Michigan

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Hospital and Clinical Associate Professor, Wayne State University School of Medicine, Detroit,
Michigan

John O'Brien, MD, Designated Institutional Official, St. Mary Mercy Hospital, Livonia, Michigan

David R. Pieper, PhD, Southeast Michigan Center for Medical Education, Detroit, Michigan

Carlos Rios-Bedoya, ScD, MPH, Director of Scholarly Activity, McLaren Health and Assistant
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David Sengstock, MD, MS, Director of Research, Beaumont Hospital Dearborn and Assistant
Professor, Wayne State University School of Medicine Detroit, Michigan

Kate Sheppard, MPH, MSW, Executive Director, Southeast Michigan Center for Medical Education,
Detroit, Michigan

SEMCME RESEARCH COMMITTEE (Cont.)

Allen Silbergleit, MD, PhD, Chair of Division of General Surgery Program and Director Emeritus, General Surgery Residency Program, St. Joseph Mercy Oakland and Professor of Surgery, Wayne State University School of Medicine, Detroit, Michigan

Wilbur L. Smith, MD, Director of Medical Education, St. Joseph Mercy Oakland, Pontiac, Michigan

Anupam Suneja, MD, Associate Program Director, Department of Internal Medicine, St. Joseph Mercy Hospital, Ann Arbor, Michigan

David Svinarich, PhD, Vice President of Research, Ascension Providence Hospital, Southfield, Michigan

Virginia Uhley, PhD, RDN, Assistant Professor, Biomedical Sciences, Nutrition Discipline Director, Co-Course Director Endocrinology, Co-Course Director Promotion & Maintenance of Health, Oakland University William Beaumont School of Medicine, Rochester, Michigan

Thomson Sam Varghese, MD, Chief Resident, Department of Internal Medicine, St. Mary Mercy Hospital, Livonia, Michigan



ACCESS TO ONLINE MATERIALS

Information contained in this booklet, resident abstracts, and additional background information on the Research Forum and Allen Silbergliet, MD, PhD Lecture can be found online. Please visit the SEMCME website (Resources tab) at www.semcme.org to access the material.

PATRONS

The medical staffs of the following SEMCME member hospitals have contributed significantly to the success of this program. We appreciate their support:

- Ascension Providence Hospital
- Ascension St. John Hospital
- Beaumont Hospital, Dearborn
- Beaumont Hospital, Royal Oak
- Henry Ford Hospital
- St. Mary Mercy Hospital
- St. Joseph Mercy Oakland



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