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特別企画

[SP1]特別企画1

JSICM, KSCCM, ESICM, SCCM, TSCCM 各学会 Presidentを囲む

Chair: Masaji Nishimura (President of JSICM/Tokushima Prefectural Central Hospital, Japan)

Fri. Mar 1, 2019 2:00 PM - 3:00 PM 第2会場 (国立京都国際会館2F Room A)

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[SP1-4]Current status of ICU and intensive care medicine in USA

Heatherlee Bailey (President Elect of SCCM)

【同時通訳付き】

**Education**

Medical:

UMDNJ- New Jersey Medical School

(Now known as Rutgers)

Newark, New Jersey; MD 1994

Undergraduate:

Alfred University

Alfred, New York; Cum Laude, BA in Biology 1990

**Postgraduate**

Intern, Resident, Chief Resident, Emergency Medicine

Medical College of Pennsylvania

(Now known as Drexel University College of Medicine)

Philadelphia, PA

July 1994 – June 1997

**Employment**

Medical College of PA – Hahnemann University

Instructor of Emergency Medicine

Faculty-Fellow in Division of Critical Care

July 1997 – June 1998

Medical College of PA – Hahnemann University

Assistant Professor of Emergency Medicine

July 1998 – 2009

Medical College of PA – Hahnemann University

Assistant Program Director

January 1999 – June 2001

Drexel University College of Medicine (formerly Medical College of PA – Hahnemann University)

Department of Emergency Medicine

Associate Program Director

Assistant Professor

July 2001 – June 2007

Drexel University College of Medicine  
Department of Emergency Medicine  
Director of Critical Care Education  
Associate Program Director  
Assistant Professor  
September 2002 – June 2007

Drexel University College of Medicine (formerly Medical College of PA – Hahnemann University)  
Department of Emergency Medicine  
Director of Critical Care Education  
Student Clerkship Director Mercy ICU  
Assistant Professor  
July 2007 – December 2009

Duke University Medical Center  
Director of Critical Care Education  
Assistant Professor of Surgery  
Department of Surgery  
Division of Emergency Medicine  
2301 Erwin Rd  
Durham, NC 27710  
January 2009 – May 2015

VA Medical Center  
Department of Emergency Medicine  
508 Fulton St  
Durham, NC 27705  
March 2015- present

### **Certification and License**

Board Certified in Emergency Medicine  
(Written exam October, 1997; Oral examination October 1998)  
Recertification 2008, 2018  
Pennsylvania MD License 1996 – 2010  
DEA 1996 – Current  
North Carolina 2009 - Current

### **Honors and Awards**

National League of Women Voters Award 1986  
Leadership in community service

Alfred University Herrick Scholarship 1986-1990  
Excellence in academic performance

Psy Chi Psychology Honor Society - Alfred University 1990

NJMS Award for Outstanding Research 1991

NJMS Alumni Scholarship 1991, 1992  
Outstanding scholarship and leadership

New Jersey Medical School Rosemary A. Gellene Memorial Scholarship 1993  
Alumni Associations highest honor given to a 4th year student.

Society of Academic Emergency Medicine Medical Student Excellence in Emergency Medicine Award 1994

PA Chapter of the Society of Critical Care Medicine

Best Abstract Award August 1999

International Ain Shams Medical Student Congress  
8th Annual Meeting, Cairo, Egypt  
Best Poster Presentation February 6-9, 2000

American Medical Association - Womens Physician Congress. Physician Womens Mentoring Award.  
November 2007

Presidential Citation. Society of Critical Care Medicine. 2008

Dr. Joseph and Rae Brown Award. Society of Critical Care Medicine. 2008

Fellow College of Critical Care Medicine 2009

American Board of Emergency Medicine Oral Board Examiner Service Award 2014

### **PROFESSIONAL SOCIETY MEMBERSHIPS**

Society of Critical Care Medicine 1998 - present  
PA Chapter of the Society of Critical Care Medicine 1998 – 2009  
Carolina Virginias Chapter of the Society of Critical Care Medicine 2010-present  
Society of Academic Emergency Medicine (1997-2009)  
Council of Residency Directors (1999 -2008)  
American Academy of Emergency Medicine 1996 - present  
International Trauma Anesthesia and Critical Care (1998-2007)  
Society for the Advancement of Blood Management (Founding Member) (2001- 2009)

### **PROFESSIONAL SOCIETY ACTIVITIES**

Committees:

**American Board of Emergency Medicine**  
Oral Board Examiner 2006 - present

**Association for Surgical Education**  
Curriculum Committee 1999 – 2002

**International Trauma Anesthesia and Critical Care Society**

Critical Care Committee 1999 –2007

Research Committee 2002 –2007

**Society for the Advancement of Blood Management**

Young Physicians Committee 2002- 2004

Chairman

**Society of Academic Emergency Medicine**

CPC Judge and task force member 2003- 2007

**Society of Critical Care Medicine**

Guidelines for ICU Admission, Discharge, and Triage Task Force 2008-2015

Chapter and Affiliates Committee

Secretary 2005-06

Chair elect 2006-07

Chair 2007-08

Council member ex – officio 2006-2008

Creative Community Volunteer 2003-present

Volunteer Liaison 2003-present

American College of Critical Care Medicine Inducted Fellow 2009

MCCKAP Task Force 2009-2012

Nominating Committee Member 2009-2010

ACGME Resident Duty Hours White paper task force 2010-2011

Council Liaison FDM task force 2011-2016

Council Liaison Uniformed Services 2011-2016

Council Liaison Online MCCKAP 2012-2015

Council Liaison Neurosciences 2012-2016

Council Liaison Emergency Medicine 2013-2016

Strategic Education Committee 2012-2015

Chair task force on Violence and Critical Care 2013-2015

Senior Council Member Fundamentals Business Line 2014-2016

Strategic Planning Committee 2014-present

Vice-Chair 2015

Chair 2016-2018

Council Liaison Section Chairs 2015-2016

Finance Committee 2015-present

ACCM Board of Regents Nominating Committee 2015-present

Moderator Professor Walk Rounds Congress 2015 Phoenix

Executive Council Member 2016 – present

Secretary 2016 – 2018

Co-Chair Save A Life Event 2017 \_ 2018

President – Elect 2018 - 2019

President 2019 - present

**PA Society of Critical Care Medicine**

Education committee 2003-2009

NJPA SCCM Combined Meeting Organizer and Curriculum committee 2003, 2004

### **Council of Residency Directors**

LLSA committee 2005-2007

Offices :

#### **SCCM**

SCCM Council Ex-officio 2006 – 2008

SCCM Chapter and Affiliate

Secretary 2005 – 06

Chair elect 2006 – 07

Chair 2007 – 08

SCCM elected At-Large Seat 1 yr term 2011-2012

Council Elected Collective Seat 2012-2015

Council reelected Collective Seat 2015-2016

Executive Council Secretary 2016-2018

Save A Life Co event Co-Chair 2017-2018

Executive Council President-Elect 2018-2019

#### **PASCCM**

PASCCM President-Elect 2002-2003

PASCCM President 2003-2005

### **Carolinas/Virginia Chapter SCCM**

Board Member 2010-2014

The continuum of care is a very important concept in the treatment and management of the critically ill and injured patient. This concept is important not just in the longitudinal sense of patients moving from the pre-hospital setting to the Emergency Department to the ICU but also that at each stage of care there is the presence and interaction of a cohesive and highly trained team.

There are many challenging issues currently affecting the state of critical care and the ICU team in the US. There are many pathways for physician fellowship available in the US. Despite that, a significant issue that is driving many of the other problems in the ICU is a shortage in the workforce. This shortage has led to several major areas of focus and impact in critical care. With the shortage of physician providers, there has been an expansion in the role of the Advanced Practice Provider (APP). Both physician assistant's and nurse practitioners may focus their area of practice in critical care and in turn have expanded their role in the critical care environment.

This work force shortage has in turn led to innovations using technology to bring virtual care to the bedside in the form of telemedicine. Many systems have created tele-icu programs to ensure excellent care to ICU patients typically during the overnight hours. Another unfortunate outcome of the workforce shortage is the national epidemic of burnout syndrome in health care providers across the US. This syndrome has encompassed all fields of medicine but is particularly problematic in critical care where estimates are 50% of providers suffer from burnout. It is a national professional crisis in the US.

The Surviving Sepsis Campaign (SSC) continues to strive for early identification and early intervention of patients with sepsis and septic shock. This early action has in turn led to improved patient care and outcomes. Several states in the US have government mandates for criteria that must be met when caring for

patients with sepsis and septic shock.

Post intensive care syndrome (PICS) is related to critical illness and the care that is required to treat patients. PICS patients exhibit impairment in cognition, mental health and physical function after ICU admissions. SCCM is focusing on how ICU care impacts long term outcomes and is researching ways to mitigate this entity.

The use of ECMO has expanded significantly both in number of facilities supporting advanced hemodynamics and in the scope of practice. ECMO can provide both respiratory and hemodynamic support. A decade ago the CESAR trial from the UK suggested that early use of ECMO in patients failing to respond to conventional therapy would be of benefit. The use of ECMO is transitioning to early care for severe acute respiratory failure in non-responders instead of being reserved for rescue therapy.

This is just a sampling of current issues in critical care in the US.