# County Council of Howard County, Maryland

2021 Legislative Session	Legislative day #
<b>RESOLUTION NO.</b>  2  - 2021	
Introduced by: Chairperson at the request of the Co	ounty Executive
A RESOLUTION confirming the reappointment of Jon Steuerns Prevention Coordination Council.	ngle to the Human Trafficking
Introduced and read first time on Tuly Le, 2021.  By order Michelle Harrod, Adr	1 Drisd  ninistrator to the County Council
Read for a second time and a public hearing held on	hinistrator to the County Council
This Resolution was read the third time and was Adopted_/. Adopted with amendments, Failed on, 2021.	, Withdrawn by the County Council

NOTE: [[text in brackets]] indicates deletions from existing language; TEXTIN SMALL CAPITALS indicates additions to existing language. Strike-out indicates material deleted by amendment; <u>Underlining</u> indicates material added by amendment.

1	WHEREAS, Section 404 of the Howard County Charter and Section 6.300 of the Howard
2	County Code provide for the County Executive to appoint and for the County Council to confirm
3	nominees to Howard County Boards and Commissions created by law; and
4	WHEREAS, Title 17, Subtitle 11, of the Howard County Code provides for a Human
5	Trafficking Prevention Coordination Council in Howard County; and
6	WHEREAS, the County Executive has proposed the reappointment of Jon Steuernagle, as
7 8	a member of the Human Trafficking Prevention Coordination Council; and
9	WHEREAS, an amendment to Section 404 of the County Charter, effective on or about
10	December 3, 2020, shortened the term for members of most citizen boards and commissions from
11	five to three years, including the Human Trafficking Prevention Coordination Council; and
12	WITEDEAS the County Council notifies the County Described and it to the
13 14	WHEREAS, the County Council ratifies the County Executive's special trust and confidence in the abilities of the nominee.
15	NOW, THEREFORE, BE IT RESOLVED by the County Council of Howard County,
16	Maryland this 8 day of 50th, 2021 that the following person is reappointed as
17	a member of the Human Trafficking Prevention Coordination Council to serve from the passage
18	of this Resolution to September 8, 2024 or until a successor is appointed and confirmed:
19	Jon Steuernagle
20	Ellicott City, Maryland

·

#### CURRICULUM VITAE

6/2021

Jon Steuernagle

# DEMOGRAPHIC AND PERSONAL INFORMATION

**Current Appointments** 

2012-present Instructor of Medicine Mayo School of Graduate Medical Education

2015-present Johns Hopkins Medical Institute Intensivist Group

2017-present Clinical Instructor of Medicine Johns Hopkins School of Medicine

# Personal Data:

Johns Hopkins School of Medicine 733 N Broadway Baltimore, MD 21205

**Education and Training** 

2000-2004	Bachelors of Science (BS) Biochemistry (Summa Cum Laude) St. Edward's University Austin, Texas
2004-2008	Doctorate in Medicine (MD) Univ. of Texas Health Science Center at Houston Houston, Texas
2008-2009	Internship Mayo School of Graduate Medical Education, Internal Medicine
2009-2011	Residency Mayo School of Graduate Medical Education, Internal Medicine
2011-2013	Fellowship Mayo School of Graduate Medical Education, Critical Care Medicine
2012-2013	Chief Fellow Critical Care Medicine, Practice/Quality - Mayo Clinic Rochester

# Professional Experience

<u>Date</u>	Position, Institution/City
2013-2015	Intensivist/Instructor, ICU St. Agnes Hospital Baltimore, Maryland
2015-2021	Intensivist ICU JHCP at Howard County General Hospital Columbia, Maryland
2015-Current	Clinical Instructor Johns Hopkins School of Medicine Baltimore, Maryland

### **PUBLICATIONS:**

#### Original Research

- 1. An unusual case of negative gap metabolic acidosis Jon H. Steuernagle MD Critical Care Medicine 2012
- Intra-abdominal Catastrophe: Celiac Artery Dissection Due to Fibromuscular Dysplasia Srikant Nannapaneni, MBBS, Jon Steuernagle, MD, John Park, MD Chest Volume 144, Issue 4, October 2013, Pages 272A, 272B
- 3. A Quality Improvement Project to Reduce Inappropriate Referrals to a Specialized Ventilation-Weaning Unit Mazen Al-Qadi, MD, Sanjay Chaudhary, MD, Erin Frazee, PharmD, Vicki Loeslie, RN, Jon Steuernagle, MD, John Park, MD Chest Volume 144, Issue 4, Supplement, October 2013, Pages 538A, 538B
- 4. Vascular Surgery Kidney Injury Predictive Score: A Historical Cohort Study Kianoush Kashani, MD, Jon H. Steuernagle IV, MD, Abbasali Akhoundi, MD, Anas Alsara, MD, Andrew C. Hanson, Daryl J. Kor, MD J Cardiothorac Vasc Anesth. 2015 Apr 16. pii: S1053-0770(15)00262-1. doi: 10.1053/j.jvca.2015.04.013. (Data analysis, data collection)

- 5. Approach to AML Treatment. Survey Results from the 6th International Hematologic Malignancies Conference: Bridging the gap 2015 Liu K, Malhotra P, Parmar S, Steuernagle, J, Wong R, Kornblau S, et al. Beijing, China. J Leuk 3:186. doi: 10.4172/2329-6917.10001 J. Leuk 7/2015
- 6. Asia Pacific Hematology Consortium report on approach to multiple myeloma. Survey Results from the 6th International Hematologic Malignancies Conference: Bridging The Gap 2015, Beijing, China. Jin Lu, Jian Hou, Kai-Yan Liu, Simrit Parmar, Adolfo De La Fuente, Börje Andersson, ChenHua Yan, Daobin Zhou, Daryl Tan, David Ritchie, Deipei Wu, Elizabeth Shpall, Ginna G Laport, JianYong Li, Jiong Hu, Lian Sheng Zhang, Michael Wang, Pankaj Malhotra, Qian Jiang, Yazhen Qin, Raymond Wong, Richard Champlin, Surapol Issaragrisil, Swaminathan Iyer, Vikram Mathews, Yu Wang, Yu Hu, Zhijian Xiao, Zonghong Shao, Rafael Rosengarten, Jon Steuernagle, Jun Huang Xiao, Robert Orlowski, Chor Sang Chim J. Leukemia and Lymphoma 7/2016
- 7. Spurious Hyperchloremia in the Presence of Elevated Plasma Salicyclate: A Cohort Study Kashani K, B, Steuernagle IV J, H, Qian Q Nephron 2018;138:186-191
- 8. MTP simulation and activation in the community setting (In-progress)
- 9. CVA care On-site neurology vs. telemedicine (BAT) retrospective cohort (In-progress)
- 10. Site PI for Mayo Convascelent Plasma Study ay Hopkins (Ongoing)
- 11. SCCM ICU-VIRUS study (Ongoing)
- 12. CCSPEI study assessing risk factors for development of severe COVID-19 disease (Ongoing)

# Other Media (Videos, Websites, Blogs, Social Media, etc.)

- 1. Doximity Physician Leadership Summit Sonoma 2013 California (Silicon Valley)
- 2. Doximity Physician Leadership Summit 2014 Carmel, California (Silicon Valley)
- 3. Doximity Physician Leadership Summit 2015 San Francisco, California (Silicon Valley)
- 4. #FOAMEd Leaders on Twitter

#### Presentations

- Salicylate Interference with an Indirect ISE Method Causes Falsely Elevated Chloride Results. American Association for Clinical Chemistry (AACC) Annual Meeting and Clinical Lab Expo Houston, Tx 7/2013
- 2. An unusual Case of Negative Gap Acidosis. SCCM poster presentation San Juan, Puerto Rico 1/2013
- 3. A Tale of Two Tremors Graves Hyperthyroidism mimicking essential tremor Presented at AACE Annual Conference, San Diego, CA 04/14/2011
- 4. Clinical Indications for Renal Biopsy in Diabetic Glomerulosclerosis with Superimposed Non-Diabetic Renal Disease Presented at ASN, Philadelphia 11/09/2011
- 5. Updates to Stroke care, a new DAWN for EVI Howard County Multi-D Conference 10/2018

#### **CLINICAL ACTIVITIES**

Clinical Focus: I work as a critical care physician at Johns Hopkins Howard County, where most of my time is dedicated to direct patient care and teaching emergency medicine residents who rotate through the ICU.

Certification

2008-2013 Minnesota Medical License

2008-Present Federal DEA

2012-Present FCCS (Fundamentals of Critical Care Support) Instructor

2013-Present Maryland Medical License

2013-Present Maryland CDS

Boards, other specialty certification

2011-Current American Board of Internal Medicine, Internal Medicine Diplomate #321186
2013-Current American Board of Internal Medicine, Critical Care Medicine Diplomate #321186

Clinical (Service) Responsibilities

Date Role/time commitment, specialty

2013-2015 ICU Consultant (mixed medical/surgical ICU) with teaching responsibilities to visiting Medical Students,

4 interns and 3 seniors monthly (Mixed medical and surgical residents) - 15 12 hour shifts/monthly

2015-Current ICU Consultant in mixed medical/surgical/neurological ICU with PA/NP student providers and JHH

Emergency Medicine residents rotating through

Clinical (Service) Reputation / Recognition

Date Awards/honors via national peer review or nomination

2012-2013 Chief Fellow, Mayo Clinic - Rochester

Clinical Productivity

2013-2015 St. Agnes Hospital ICU, average census 12 patients, average RVUs 5000/yr

2015- Current JHMI, HCGH ICU, average census 11 patients, average RVUs 7000/yr

### **EDUCATIONAL ACTIVITIES**

Educational Focus: I am a committed teacher and in addition to the teaching and mentoring I do for colleagues and learners in my unit, I have developed several innovative curricula related to critical care medicine.

Teaching

Classroom instruction

2011-2013 Sepsis Workshop (Interns, Fellows "bootcamp")

Mayo Multidisciplinary Simulation Center

Mayo Clinic Rochester, Minnesota

2012-2013 FCCS Course Instructor, Shock and Resuscitation

Mayo Multidisciplinary Simulation Center

Mayo Clinic Rochester, Minnesota

2012-2013 FCCS Course Instructor, Burns

Mayo Multidisciplinary Simulation Center

Mayo Clinic Rochester, Minnesota

2013-2015 Instructor, Critical Care Lecture Series (Residents – 26 courses alternating weeks)

St. Agnes Hospital Internal Medicine Residency Program

Baltimore, Maryland

2016- Current Longitudinal Ambulatory Clerkship

Johns Hopkins School of Medicine

Baltimore, Maryland

2016- Current Instructor ICU Lectures

HCGH Med/Surg ICU

Johns Hopkins Dept of Emergency Medicine

Columbia, MD

10/2018 Update on Stroke Management Multi-disciplinary lecture

HCGH Medical Library

Columbia, MD

Clinical instruction

Date Role, learner level, course title, venue; notes

2010-2013 Instructor, Introduction to Physical Exam (MS 1) year

Mayo Multidisciplinary Simulation Center Mayo Clinic Rochester, Minnesota

2011-2013 Instructor, Difficult Airway Lecture Series (Residents)

Mayo Multidisciplinary Simulation Center Mayo Clinic Rochester, Minnesota

2011-2013 Sepsis workshop, Medical Residents (PGY1)

Mayo Multidisciplinary Simulation Center, Mayo Clinic

Rochester, Minnesota

2013-2015 Instructor, Daily ICU Teaching Topics (Medical/Surgical Residents)

St. Agnes Hospital Baltimore, Maryland

2016-Current Instructor, Daily ICU Teaching Rounds (Emergency Medicine Resident)

Howard County General Hospital, Med/Surg ICU

Columbia, Maryland

2016-Current LTAC Clerkship Program JHU SOM

Mentoring

Post-doctoral Advisees / Mentees

2011 Anna Swatikova (Resident)

Description: Project: Clinical Decision Making/Journal Club Presentation

Current Status: Fellow, Mayo Clinic

2014 Chintan Patel (Resident)

Description: ACP Oral Presentation "A Clean End", Awarded First Place for Oral Clinical Vignette

Current Status: Graduated, now in Fellowship

2015 Su-Sang Limbu (Resident)

Description: Journal Club, PROCESS Trial Current Status: In training, project completed

2014-2015 Mohammad Mahfoud (Resident) Description: QI Project (ABCDE implementation in ICU)

Current Status: In training, project ongoing

Educational Program Building / Leadership

2014-2015 Designer/Creator ICU Resident Curriculum and Lecture Updates

St. Agnes Medical/Surgical ICU

Baltimore, Maryland

2013-2015 Developed a 52 week, 26 lecture course on ICU topics for a biweekly resident lecture on the basic

management of ICU patients in a mixed Medical/Surgical ICU

2017-Current Design and maintenance of ICU curriculum for EM residents rotating through to HCGH ICH

#### RESEARCH ACTIVITIES

Research Focus

Initial research in residency and fellowship focused on acute kidney injury (AKI) and continuous renal replacement therapy (CRRT) in the ICU. Since graduation I have focused on mobile application development and building electronic tools to improve the dissemination of medical knowledge worldwide and thereby improving the delivery of healthcare and associated outcomes. I remain interested in delirium and long-term outcomes in the ICU and multimodality approaches to reduce its incidence – noise reduction, music, non-GABA sleep aids in ICU patients. Non-invasive cardiac output monitoring techniques (NICOM, POC ultrasound). UI/UIX in electronic medical interfaces, human interface design in EMR, QI in the ICU, AI/data synthesis aids in complex environments (early assistance with Mayo AWARE project,) and now with the Hopkins TREWs project.

Technology Transfer Activities (Company Start-ups)

Date Role, title, notes

2011-Present Physician Advisor Doximity Inc.

2015-Present Co-Founder MDRing

2018- Present 98point6 Primary Care Council, Startup Advisor

2018- Present GLG Consultant

# SYSTEM INNOVATION AND QUALITY IMPROVEMENT ACTIVITIES

System Innovation Focus

Lean processes in the ICU focused on improved communications, minimizing and standardizing hand-offs and use of electronic aids to facilitate both. Pandemic has brought much focus on minimizing iatrogenic harm in the ICU setting for patients with COVID-19. Coordinating ICU leadership for physician and non-physician extenders in ICU setting.

System Innovation and Quality Improvement efforts within JHM:

2015-2017	Use of fitness trackers with goals to quantify ICU mobility
2016	Use of Chromecast with familiar pictures/music to reduce ICU delirium for ICU patients
2017-Current	Sleep Enhancement in ICU patients (HCGH ICU/IMCU)
2018	Harmonization and update/adoption of ADA guidelines for management of DKA/HHS and Epic order
	set creation
2018	Harmonization and standardization of Post-PCI patient's order set from HCGH cardiac catheterization
	Unit to ICU (CHAMPS project)
2020	Co-wrote COVID ICU Biocontainment policy/flow for COVID and non-COVID ICU
2020	Wrote ICU sedation protocol for mechanically ventilated patients with COVID-19
2020	Wrote ICU ventilator protocol for mechanically ventilated patients with COVID-19
2020	Wrote Neuromuscular blockade protocol
2020	Co-wrote Proning protocol for mechanically ventilated patients with COVID-19
2020	Wrote Guidelines on the treatment of COVID-19 for non-ICU providers (Surgery/Anesthesia extenders)

System Innovation and Quality Improvement efforts outside of JHM:

2011	3 member team, equally shared workload. Designing and Implementing an ICU checklist for
	Vascular/Thoracic ICU and Mixed Transplant/Heme/Onc ICU Mayo Clinic - Rochester
	Thoracic/Vascular ICU Checklist implemented and integrated into bedside rounds.

Improving team communication via templated EMR notes. Mayo Clinic – Rochester Medical and Home-Onc ICU. This prepared fellows for the reality of post training practice and improved communication regarding interventions undertaken by overnight fellows in the Medical and Hem-Onc ICUs. Changed fellow practice and improved documentation.

2013 Mentor, supervisory. Reducing inappropriate consultations with the chronic ventilator unit. Mayo Clinic

— Rochester Respiratory Care Unit (vent weaning unit) This process improvement lead to reduced team
fatigued by educating various stakeholders on criteria for consultation for the ventilator weaning unit
team.

System Innovation and Quality Improvement Program Building/Leadership:

2012-2013 Chief Fellow at Mayo Clinic whose focus was QI. Involved with curriculum and instruction of fellows

with the Mayo Clinic Quality Academy. Curriculum similar to Six-sigma.

### ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

Date

2013-2015 Infection Control Committee St. Agnes Hospital – ICU Representative

2016- Current Antibiotic Stewardship Committee, member, HCGH

2016- Current Transfusion Committee, member, HCGH

2018-Current JHH Stroke Workgroup

(Johns Hopkins systemwide workgroup to improve stroke outcomes and design/implement clinical trials)

2018-Current Hopkins Brain attack performance improvement committee (BAPIC)

(Local Howard county specific quality team for improved stroke outcomes and clinical trials/research)

2020-Curent Maryland Hospital Acquired Conditions (MHAC) Review Committee (Physician Lead)

(This team reviewed hospital acquired conditions as necessary for revenue purposes and quality improvement)

2020-Current Systemwide Formulary Committee

2020-Current COVID-19 Novel Therapeutics Committee

2020-Current Tocilizumab approval committee (5 person systemwide committee)

2020-Current Therapeutics and Clinical Trials for COVID-19 committee

Advisory Committees, Review Groups/Study Sections

Date Role, sponsor/organization/group

2011-2013 Doximity, Inc. Fellow

2013-Current Doximity Inc., Physician Advisor

2015-Current Co-Founder, Chief Medical Officer, MDRing (mobile Medical Education platform)

2015-2016 Buoy Health, Physician/Startup Advisor

2018-Current 98point6, Physican Advisor

2018-Current Athenum Business/Physician Consultant

### RECOGNITION

Awards, Honors

## JHMI/Regional

8/2012 "Are barrier practices effective?" (A pro-con debate of modern isolation practices), Mayo Clinic Critical

Care Grand Rounds

5/2014 "Beyond 28 Days - Neuropsychiatric Burdens of ICU Survivors", St. Agnes Hospital, Medical Grand

Rounds

National

4/2012 "An Unusual Case of Negative Gap Acidosis" Monthly Acid-Base Conference, Dept. Of Nephrology

and Hypertension Mayo Clinic - Rochester

4/2015 Doximity Panel on Technology in Medicine (panel) San Francisco, CA

9/2015

Oral presentation "...with respect to time. Mobile Leaning in a JIT World" MEST Conference Houston, TX

## OTHER PROFESSIONAL ACCOMPLISHMENTS

01/1999 - 07/2004 Apple Inc. Austin, Texas/Cupertino, California

My work with Apple started with the Worldwide AppleCare group taking support calls from end-users. I quickly was promoted to senior support (Tier 2) supporting technical support argents worldwide, Apple certified service providers, and Mac Genius personnel in Apple retail stores. From there I was again promoted to developing internal support tools—real time web based chat (prototype, which is present, albeit in different form on Apple's website today), internal websites for rapid distribution of new and updated technical information.

From there I was able to join the support-engineering group for Mac OS X. I served as the liaison between the Mac OS X software engineering teams and worldwide AppleCare (Europe, Asia, Americas). There I developed an application that collected system level information and logs from Mac OS X and delivered that data to Apple secure servers for QA, bug hunting and technical support assistance.

On the AKI-EPI project I was a contributor but not a named author.

Epidemiology of acute kidney injury in critically ill patients: the multinational AKI-EPI study Hoste EA, Bagshaw SM, Bellomo R, Cely CM, Colman R, Cruz DN, Edipidis K, Forni LG, Gomersall CD, Govil D, Honoré PM, Joannes-Boyau O, Joannidis M, Korhonen AM, Lavrentieva A, Mehta RL, Palevsky P, Roessler E, Ronco C, Uchino S, Vazquez JA, Vidal Andrade E, Webb S, Kellum JA.Intensive Care Med. 2015 Aug;41(8):1411-23. doi: 10.1007/s00134-015-3934-7. Epub 2015 Jul 11. PMID: 26162677

(1 of 3 Fellows for Data collection, database management, patient identification at Mayo Clinic in Rochester)