

NERI MESHULAM COHEN

Birth Date: February 21, 1961
Birthplace: Washington, DC
Marital Status: married - Ilene Gudelsky Cohen (06-08-86)
Children: Dena Cohen Blaustein (12-10-88)
Joel Alexander Cohen (11-01-91)

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Current Position

President
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HONORS AND AWARDS

- 1980-1982 * Dean's List - Northwestern University,
- 1981-1982 * Honors Masters Program (combined BA/MS degree)
Northwestern University Graduate School.
- 1982-1988 * Medical Scientist Program (combined MD/PhD degree)
University of Maryland Medical School
- 1986 * Medical Student Research Day - First Place Prize
University of Maryland Medical School
- 1992 * Lazer J. Greenfield Award - Humera Surgical Society
- 1992-1993 * Searle Award for Electrophysiology Fellows
North American Society of Pacing and Electrophysiology
- 1993 * Bigger-Lehman Award - The Virginia Surgical Society
- 1994 * ACC/Bristol-Myers Squibb Affiliate Travel Award; American College of Cardiology
- 1995 * Alpha Omega Alpha Honor Medical Society
- 1999 * Clinical Trials Methods Course - American College of Surgeons
- 2000 * Hume Muller Award - Virginia Surgical Society
- 2000 * "Top Doctors in Richmond as Chosen by their Peers – Thoracic Surgery"
Richmond Magazine
- 2001 * Voted one of America's "Top Doctors as Chosen by their Peers – Thoracic Surgery"
Center for the Study of Services – Consumers' Checkbook
- 2001-2 * Joel J. Roslyn Faculty Research Award
Association for Academic Surgery / *Journal of Surgical Research*
- 2005 * Brandeis University Leadership Program in Health Policy & Management
Alley-Sheridan Scholar; Thoracic Surgery Foundation for Research & Education
- 2007 * Cambridge's Who's Who Among Executives & Professionals - VIP Member
- 2007-2019 * America's Top Surgeons – Selected by Consumers' Research Council of America
- 2008-2019 * Top Doctors in Baltimore as Chosen by their Peers – Thoracic Surgery
Baltimore Magazine
- 2011-2021 * Voted one of America's Top Doctors – Selected by Castle Connolly Medical Inc.
- 2011-2021 * America's Top Doctors (Top 1%) – Selected by US News & World Report.
- 2018-2021 * America's Most Honored Professionals (Top 5%) – The American Registry
- 2012-2013 * SuperDoctors – Selected by The Washington Post
- 2012 * Winner Health IT Innovation Exchange Award – World Healthcare Innovation and Technology Congress.
- 2016-2017 * Voted as a Top Surgeon in Baltimore – International Association of HealthCare Professionals (IAHCP)
- 2019-2021 * HIMSS Davies Award –
"Leveraging Data & Technology to Improve Surgical Site Infection Rates" (2019)
"Using Clinical Decision Support to Improve Pneumococcal Vaccination Administration Rates in the Ambulatory Setting" (2020)
"Using the Electronic Health Record to Innovate the Multidisciplinary Tumor Board" (2021)
- 2020 * Malcolm Baldrige National Quality Award for Performance Excellence (GBMC)
- 2022 * Brooks-Lower Visiting Professor (VCUHS)
- 2023 * TIME Magazine Best Inventions of 2023 (Bayesian Health) "Targeted Real-Time Early Warning System (TREWS) (Sepsis)"
- 2024 * TIME Magazine Best Inventions of 2024 (Bayesian Health) "AI-powered Bedsore Prevention"

EDUCATION, TRAINING AND EMPLOYMENT

| | |
|--------------|--|
| 1978-1982 | BA (with Honors) Biochemistry and Molecular Biology Northwestern University |
| 1981-1982 | MS (with Honors) Neurobiology and Physiology <i>"Independence of cholinergic- and histamine-stimulated increases in phosphatidylinositol turnover in neuron-like cloned cell lines."</i> Thesis advisor: WL Klein, PhD Northwestern University Graduate School |
| 1982-1986 | PhD Physiology <i>"The calcium current of neonatal and adult rat single ventricular heart muscle cells."</i> Thesis advisor: WJ Lederer, MD, PhD University of Maryland Graduate School |
| 1982-1988 | MD University of Maryland at Baltimore School of Medicine |
| 1989-1996 | Internship & Residency <i>General Surgery</i> Department of Surgery Medical College of Virginia Virginia Commonwealth University |
| 1996-1998 | Fellowship <i>Cardiothoracic Surgery</i> Department of Surgery Medical College of Virginia Virginia Commonwealth University |
| 1998 | Fellowship <i>General Thoracic Surgery</i> <i>Lung Transplantation</i> Department of Thoracic & Cardiovascular Surgery The Cleveland Clinic Foundation |
| 1998-2003 | Assistant Professor of Surgery & Physiology Head, Section of General Thoracic Surgery Division of Cardiothoracic Surgery Department of Surgery, Box 980068 Medical College of Virginia Hospitals & Physicians Virginia Commonwealth University Health System |
| 2003-2019 | Division Chief Division of Thoracic Surgery Head, Thoracic Oncology Sandra & Malcolm Berman Cancer Institute GBMC Healthcare |
| 2008-2012 | Medical Director Greater Baltimore Medical Associates President GBMC Physicians, LLC - specialty GBMC Healthcare |
| 2012-2021 | Vice-Chair – Information, Innovation & Technology Department of Surgery GBMC Healthcare |
| 2019-2021 | Lead Clinical Informatics Liaison GBMC Healthcare |
| 2021 | Chief Medical Information Officer GBMC Healthcare |
| 2003-present | President HealthTek Consulting, LLC |
| 2015-present | President Center for Healthcare Innovation, Inc www.center4healthcareinnovation.org |
| 2025-present | Head, Clinical Enterprise Bayesian Health www.bayesianhealth.com |

Post-Doctoral Fellowships

- 1986-1987 *"Excitation-Contraction coupling in single heart muscle cells."*
WJ Lederer MD, PhD*
"Molecular mechanisms of calcium channel modulation by angiotensin II in heart muscle."
WJ Lederer MD, PhD* & TB Rogers PhD#
Departments of *Physiology and #Biochemistry
University of Maryland School of Medicine
- 1988-1989 *"Calcium current in single isolated human cardiac myocytes."*
WJ Lederer MD, PhD*, SR Gundry MD# & BA Reitz MD\$
*Department of Physiology
#Division of Thoracic and Cardiovascular Surgery
University of Maryland School of Medicine
\$Cardiac Surgeon-in-Charge
The Johns Hopkins Hospital
- 1991-1993 *"Modulation of cell volume by stretch-activated channels in single cardiac myocytes."*
CM Baumgarten, PhD
Department of Physiology
Medical College of Virginia
Virginia Commonwealth University
- 1991-1993 *"Electrophysiological consequences of hyperkalemic cardioplegia and ischemia."*
"Novel myocardial protection strategies during surgical ischemia."
RJ Damiano, Jr., MD
Laboratory of Surgical Electrophysiology
Division of Cardiothoracic Surgery
Department of Surgery
Medical College of Virginia
Virginia Commonwealth University

COMPETITIVE RESEARCH SUPPORT

| | |
|-----------|---|
| 1981-1982 | * Richter Scholarship Honors Masters (combined BA/MS degree) program Northwestern University |
| 1985-1986 | * Medical Student Research Fellowship in Pharmacology Clinical Pharmacology Pharmaceutical Manufacturers Association Foundation, Inc. University of Maryland Medical School |
| 1987-1988 | * Medical Scientist Program (combined MD/PhD degree) University of Maryland at Baltimore |
| 1988-1990 | * Research Fellowship Award American Heart Association Maryland Affiliate, Inc. University of Maryland at Baltimore |
| 1991-1993 | * Research Fellowship Award - VA-91-F-47 American Heart Association Virginia Affiliate, Inc. Medical College of Virginia |
| 1991-1993 | * National Research Service Award - 1 F32 HL08488 National Institutes of Health National Heart, Lung, and Blood Institute Medical College of Virginia |
| 1992-1993 | * Foote & Levy Award - MCV 6-48330 MCV Foundation Medical College of Virginia |
| 1999-2001 | * AIBS DoD/VA Health Research Program - -- AIBS NO 990568 US Army Medical Research and Materiel Command Medical College of Virginia |
| 2001-2002 | "Prosthesis for Muscle Reconstruction" – role: investigator * Joel J. Roslyn Faculty Research Award Association for Academic Surgery / <i>Journal of Surgical Research</i> "Novel Protection Strategies for Lung Transplantation" – role: principal investigator |
| 2002-2003 | * Massey Cancer Center Pilot Project Grant "The role of hypoxia-inducible factor (HIF)-1 α in invasion, metastasis and therapeutic resistance of aerodigestive cancers". – role: principal investigator |
| 2002-2003 | Medical College of Virginia of Virginia Commonwealth University Dean's Discovery Fund – <i>Translational Thoracic Surgery Research</i> |
| 2002-2003 | Medical College of Virginia Foundation sponsored by Atrium Medical Corporation. <i>Clinical Guideline for Minimal Invasive Thoracic Surgery.</i> |
| 2003-2004 | Greater Baltimore Thoracic Surgery Research & Education sponsored by WL Gore & Associates <i>Outcomes Research in Minimally Invasive Thoracic Surgery</i> |
| 2005 | Endobronchial Ultrasound – An Interdisciplinary Training Course Olympus Surgical & Industrial America, Inc unrestricted educational grant |
| 2003-2010 | Greater Baltimore Thoracic Surgery Research & Education supported by Atrium Medical Corporation – <i>Outpatient & Ambulatory Chest Drainage Systems.</i> role: principal investigator |
| 2008-2013 | Greater Baltimore Thoracic Surgery Research & Education supported by Atrium Medical Corporation – <i>Pleural Pressure Measurement After Pulmonary Resection.</i> role: principal investigator |
| 2016-2019 | Center for Healthcare Innovation – "Complementary medical therapy (acupuncture) to improve the control of head & neck cancer patient symptoms of disease and treatment side effects". role: principal investigator |
| 2017 | Center for Healthcare Innovation – "Panomics Relationships in the Epidemiology of Cancer through in silico Expression (PRECISE). role: principal investigator |
| 2025 | ARPA-H PRECISE-AI Program Coalition for Health AI – "Trust in Effective AI" (CHAI-TEA) program - role: consultant |

CONSULTING RELATIONSHIPS / SCIENTIFIC & MEDICAL ADVISORY BOARDS

Managed through HealthTek Consulting, LLC:

- * CSA Medical - Characterizing the Mechanism of Action of Metered Cryospray for the Treatment of Patients with Chronic Obstructive Pulmonary Disease with Chronic Bronchitis – Data Safety Monitoring Committee, Medical Advisory Board (2020-present)
- * Bearpac Medical – Chief Medical Officer (2018-present)
- * Getinge / Atrium Medical Corporation – Consultant, Advisor (1996-present)
- Bayesian Health – Lead, Clinical Informatics (2022 – 2024)
- Aegis Ventures – Advisor (2024)
- Caire Health - Chief Clinical Informatics Officer (2024)
- Commure – Clinical Informatics Lead (2023 – 2024)
- Rx.Health – Chief Medical Information Officer (2022–2023) (facilitated Rx.Health acquisition by Commure to become CommureEngage SEP2023)
- Sprinter Medical – Consultant, Advisory Board (2021-2023)

COMMUNITY SERVICE

- Member, Board of Directors, Jewish Community Day School of Richmond (1992-1995)
- Steering committee, Richmond Maimonides Society (2002-2003)
- Member, Board of Trustees, American Physician Fellowship for Medicine in Israel (2006-2012)
- Member, Board of Directors, Hillel, Ithaca College (2007-2011)
- Member, Board of Directors, Life & Breath Foundation, Baltimore, MD (2021-2022)
- Member, Board of Directors, Jewish Museum of Maryland, Baltimore, MD (2016-present)**
- Member, Board of Directors, Ulman Foundation, Baltimore, MD (2018-present)**

LICENSURE & CERTIFICATION

- * National Board of Medical Examiners (1990) - certificate number 335244
- * Board of Medicine Commonwealth of Virginia - license number 49230 (1993)
- * Board of Medicine State of Ohio - license number 74937 (1998)
- * Board of Physician Quality Assurance of the State of Maryland – license number D0060406 (2003)
- * United States Drug Enforcement Administration - controlled substance license (1993)
- * Board Certified - General Surgery (1998, 2009, 2020)
- * **Board Certified - Cardiothoracic Surgery (1999, 2008, 2019, 2029)**
- * Epic Certified Physician Builder (2016, 2017, 2018, 2019, 2020, 2021)

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

- * Member American Heart Association (1985)
- * Member Humera Surgical Society (1996)
- * Member Virginia Surgical Society (1999)
- * Member Virginia Thoracic Society (1999)
- * Member International Society of Heart and Lung Transplantation (1999)
- * Member Surgical Biology Club III – American College of Surgeons (1999)
- * **Fellow American College of Chest Physicians (2000)**
- * Member Society of American Gastrointestinal Endoscopic Surgeons (2000)
- * Member Association for Academic Surgery (2000)
- * Member General Thoracic Surgical Club (2001)
- * **Fellow American College of Surgeons (2001)**
- * Member Southern Thoracic Surgical Association (2001)
- * Member Society of Thoracic Surgeons (2002)
- * Member Maryland Chapter – American College of Surgeons (2003)
- * Member Baltimore Academy of Surgery (2004)
- * Member, MedChi, The Maryland State Medical Society (2005)
- * Member Healthcare Information and Management Systems Society (HIMSS) (2008)

PROFESSIONAL COMMITTEES and ADMINISTRATIVE SERVICE

INSTITUTIONAL

- Member Surgical Services Strategic Planning Committee, MCVH/VCU (1999-2001)
- Member Clinical Practice Committee, MCV Physicians (1999-2001)
- Director, Chest Tumor Clinic, Massey Cancer Center (1998-2003)
- Member Surgical Formulary Committee, MCVH&P/VCUHS (1999-2003)
- Member Center for Minimally Invasive Surgery Committee, MCVH&P/VCUHS (1999-2003)
- Member Budget & Finance Committee, Department of Surgery, MCVH&P/VCUHS (2001-2003)
- Member Clinical Oncology Services Executive Committee, Massey Cancer Center (2001-2003)
- Member Operating Room Access Committee, MCVH&P/VCUHS (2002-2003)
- Member, Department of Surgery Chairman Search Committee, MCVH&P/VCUHS (2002-2003)
- Member, PACS Implementation Committee, GBMC Healthcare (2003-2007)
- Member-at-Large, GBMC Medical Board, GBMC Healthcare (2005-2007)
- Member, Compensation Committee, Greater Baltimore Medical Associates (2008-2009)
- Member, Clinical Documentation Improvement Steering Committee, GBMC Healthcare (2004-2009)
- Member, Department of Surgery Quality Assurance Committee, GBMC Healthcare (2003-2021)
- Member, Department of Surgery Surgical Advisory Committee, GBMC Healthcare (2004-2021)
- Member, GBMC Medical Board Cancer Committee, GBMC Healthcare (2004-2021)
- Member, Oncology Leadership Executive Council, GBMC Healthcare (2008-2012)
- Medical Director, Greater Baltimore Medical Associates (2008-2012).
- President, GBMC Physicians, LLC (2008-2012)
- Chairman, Strategic Value Analysis Committee, GBMC Healthcare (2014-2016)
- Member, Epic Advisory Council, GBMC Healthcare (2018-2021)

REGIONAL

- Member Patient Relations Committee, Richmond Academy of Medicine (2001-2003)
- Member, Medical Advisory Committee, LifeNet Organ Procurement Organization (1999-2002)
- Leadership Division Tri-Chair, UNOS campaign, United Network for Organ Sharing (2001-2003)
- Chairman, Medical Advisory Committee, LifeNet Organ Procurement Organization (2002-2003)
- Delegate, Maryland Medical Board (2005-2022)
- Member, Board of Governors, Baltimore County Medical Association (2007-2022)
- Treasurer, Baltimore County Medical Association (2009-2010)
- Secretary, Baltimore County Medical Association (2010-2011)
- Vice President, Baltimore County Medical Association (2011-2012)
- President-elect, Baltimore County Medical Association (2013-2014)
- President, Baltimore County Medical Association (2014-2015)
- Chairman, Board of Governors, Baltimore County Medical Association (2015-2016)

NATIONAL

- Member Steering Committee, Interventional/Diagnostic Procedures NetWork, ACCP (2000-2002)
- Vice Chair Steering Committee, Interventional/Diagnostic Procedures NetWork, ACCP (2002-2004)
- Chairman, Interventional/Diagnostic Procedures NetWork, ACCP (2004-2006)
- Member, Steering Committee, Transplant & Immunology NetWork, ACCP (2000-2004)
- Member, Program Committee, Association for Academic Surgery (2003-2004).
- Member, Issues Committee, Association for Academic Surgery (2004-2007).
- Member, STS RUC Five-Year Review Expert Panel (2005-2015).
- Member, Maryland Committee on Fellowship Applicants, American College of Surgeons (2005-2018).
- Member, Marketing Committee, ACCP (2007-2011)
- Member, Practice Management Council, ACCP (2008-2012).
- Vice Chair, EHR/IT Subcommittee Practice Management Council, ACCP (2011-2012).
- Member, Program Committee, International Society Minimally Invasive Cardiothoracic Surgery (2011-2020).
- Chief Medical Information & Innovation Officer, GroupMD (2011-2013)
- Chair, Integrated Care Advisory Board, Sanofi Global Center of Excellence (2014-2015)
- **Organizer & Reviewer, HIMSS Global Health Conference Program (2021-present)**
- **Founding Member, AMXRA - The American Medical Extended Reality Association (2023-present)**

LICENSES & PATENTS

"Method for electively achieving reversible hyperpolarized cardiac arrest"

United States Official Letters Patent 5,428,039 (6/27/95)

CLINICAL RESEARCH ACTIVITIES

1. "Randomized trial of mediastinal lymph node sampling *versus* complete lymphadenectomy during pulmonary resection in the patient with N0 or N1 (less than hilar) non-small cell carcinoma." (Principal Investigator, Medical College of Virginia of Virginia Commonwealth University (2001-2003). American College of Surgeons Oncology Group #Z0030 (Principal Investigator, Greater Baltimore Medical Center 2003-2004).
2. "The utility of positron emission tomography (PET) in staging of patients with potentially operable non-small cell lung carcinoma." (Principal Investigator, Medical College of Virginia of Virginia Commonwealth University (2001-2003). American College of Surgeons Oncology Group #Z0050.
3. "The utility of positron emission tomography (PET) in staging of patients with potentially operable carcinoma of the thoracic esophagus." (Principal Investigator, Medical College of Virginia of Virginia Commonwealth University (2001-2003). American College of Surgeons Oncology Group #Z0060 (Principal Investigator, Greater Baltimore Medical Center 2003-2004).
4. "Use of proteomic analysis of serum samples for detection of non-small cell lung cancer." American College of Surgeons Oncology Group #Z4031 (Principal Investigator, Greater Baltimore Medical Center 2003-2006).
5. "Express™ Mini Chest Drainage Device Shortens Time to Patient Ambulation and Reduces Hospital Length of Stay." Atrium Medical Corporation *Mercury* Trial (Principal Investigator, Greater Baltimore Medical Center 2005-2007).
6. "Pleural pressure changes and resolution of air leaks after pulmonary surgery". Atrium Medical Corporation (Principal Investigator, Greater Baltimore Medical Center 2008-2012).
7. "Clinical Utility of Digital Measurement and Reporting of Air Leaks and Fluid Clearance (eDrain) from the Pleural Space after Pulmonary Surgery". Atrium Medical Corporation Maquet Getinge Group (Principal Investigator, Greater Baltimore Medical Center 2012-2013).
8. "Lung Volume Reduction Coil Treatment in Patients with Emphysema (RENEW) Study. Randomized comparison of the PneumRx RePneu Lung Volume Reduction Coil to Standard of Care". Thoracic Surgery representative to the Data Monitoring Committee. (2012-2020).
9. "Voice Quality and Laryngeal Appearance in Patients with Lung Cancer". Co-Investigator, Johns Hopkins Clinical Research Network. 2014-2016).
10. "Complementary medical therapy (acupuncture) to improve the control of head & neck cancer patient symptoms of disease and treatment side effects". (Principal Investigator. Center for Healthcare Innovation. 2016-2019).
11. "Panomics Relationships in the Epidemiology of Cancer through *in Silico* Expression (PRECISE) (Principal Investigator. Center for Healthcare Innovation. 2017).
12. "A Randomized Controlled Study of the PneumRx Endobronchial Coil System Versus Standard-of Care Medical Management in the Treatment of Subjects with Severe Emphysema (ELEVATE). Thoracic Surgery representative to the Data Monitoring Committee. (2018-2020).
13. **"Characterizing the Mechanism of Action of Metered Cryospray for the Treatment of Patients with Chronic Obstructive Pulmonary Disease with Chronic Bronchitis – Data Safety Monitoring Committee, CSA Medical Advisory Board (2020-present).**
14. **"Trust in Effective AI" (CHAI-TEA) program – consultant, ARPA-H PRECISE-AI Program | CHAI-TEA program (2025-2028)**

EDUCATIONAL ACTIVITIES

INVITED JOURNAL REVIEWER

- * Journal of Thoracic and Cardiovascular Surgery
- * Annals of Thoracic Surgery
- * Journal of Heart & Lung Transplantation
- * Surgical Endoscopy
- * American Journal of Physiology: Heart and Circulatory Physiology
- * Journal of Cardiovascular Electrophysiology
- * Circulation Research
- * Journal of Surgical Oncology
- * Journal of Surgical Research
- * Innovations
- * CHEST
- * Journal of Bronchology

Supervision of post-doctoral trainees (clinical)

- Associate program director and supervisor of thoracic surgical residency training within the Medical College of Virginia of Virginia Commonwealth University, Division of Cardiothoracic Surgery. This training directed primarily to the residents in Cardiothoracic Surgery and the senior level General Surgery residents (1998-2003).
- Program director and supervisor of thoracic surgical residency training within the Medical College of Virginia of Virginia Commonwealth University, Division of Cardiothoracic Surgery. (2003)

Supervision of post-doctoral trainees (research)

Alexandru M. Vaida (2000)
Dan Tang (2001-2003)
Dana Holwitt (2002-2003)

ARTICLES

- (1) **Cohen, NM**, Schmidt, DM, McGlennen, RC, & Klein, WL (1983). Receptor-mediated increases in phosphatidylinositol turnover in neuron-like cell lines. Journal of Neurochemistry **40**:547-554.
- (2) Large, TH, Lambert, MP, **Cohen, NM** & Klein, WL (1986). Autonomous control of phosphatidylinositol turnover by histamine and acetylcholine receptors in the N1E-115 neuron-like cell line. Neuroscience Letters **66**:31-38.
- (3) **Cohen, NM** & Lederer, WJ (1987). Calcium current in isolated neonatal rat ventricular myocytes. Journal of Physiology **391**:169-191.
- (4) **Cohen, NM** & Lederer, WJ (1988). Changes in the calcium current of rat heart ventricular myocytes during development. Journal of Physiology **406**:115-146.
- (5) Dosemeci, A, Dhallan, RS, **Cohen, NM**, Lederer, WJ & Rogers, TB (1988). Phorbol ester increases calcium current and simulates the effects of angiotensin II on cultures neonatal rat heart myocytes. Circulation Research **62**:347-357.
- (6) Allen, IS, **Cohen, NM**, Dhallan, RS, Gaa, ST, Lederer, WJ & Rogers, TB (1988). Angiotensin II increases spontaneous contractile frequency and stimulates calcium current in cultured neonatal rat heart myocytes: insights into the underlying biochemical mechanisms. Circulation Research **62**:524-534.
- (7) Lederer, WJ, Cannell, MB, **Cohen, NM** & Berlin, JR, (1989). Excitation-contraction coupling in heart muscle. Molecular and Cellular Biochemistry **89**:115-119.
- (8) **Cohen, NM**, Lederer, WJ & Nichols, CG (1992). Activation of ATP-sensitive potassium channels underlies contractile failure in single human cardiac myocytes during complete metabolic inhibition. Journal of Cardiovascular Electrophysiology **3**:101-108.
- (9) **Cohen, NM**, Nixon, TE & Damiano, RJ (1992). Electrophysiological consequences of myocardial protection during surgical ischemia. Surgical Forum XLIII: 260-263.
- (10) **Cohen, NM**, Allen, CA, Belz, MK, Nixon, TE, Wise, RM & Damiano, RJ (1993). Electrophysiological consequences of hypothermic hyperkalemic elective cardiac arrest. Journal of Cardiac Surgery **8**:156-160.
- (11) **Cohen, NM**, Wise, RM, Wechsler, AS & Damiano, RJ (1993). Elective cardiac arrest with a hyperpolarizing ATP-sensitive potassium channel opener - A novel form of myocardial protection? Journal of Thoracic and Cardiovascular Surgery **106**:317-328.
- (12) **Cohen, NM** & Lederer, WJ, (1993). Calcium current in single human cardiac myocytes. Journal of Cardiovascular Electrophysiology **4**:422-437.
- (13) Belz, MK, Wise, RM, Hsia, PWE, **Cohen, NM**, Allen, CA & Damiano, RJ (1993). The effect of left ventricular intracavitary volume on the unipolar electrogram. Pacing and Clinical Electrophysiology **16**(9):1842-1852.
- (14) **Cohen, NM**, Allen, CA, Hsia, P-W, Nixon, TE, Wise, RM & Damiano, RJ (1994). The electrophysiological consequences of hyperkalemic cardioplegia during surgical ischemia. The Annals of Thoracic Surgery **57**:1076-1083.

- (15) Damiano, RJ & **Cohen, NM** (1994). Hyperpolarized arrest attenuates myocardial stunning following global surgical ischemia: an alternative to traditional hyperkalemic cardioplegia? Journal of Cardiac Surgery **9**(Suppl):517-525.
- (16) Suleymanian, MA, Clemon, HF, **Cohen, NM** & Baumgarten, CM (1995). Stretch-activated channel clockers modulate cell volume in cardiac ventricular myocytes. Journal of Molecular & Cellular Cardiology **27**:721-728.
- (17) **Cohen, NM**, Damiano, RJ & Wechsler, AS (1995). Is there an alternative to potassium arrest? The Annals of Thoracic Surgery **60**:858-863.
- (18) Maskal, SL, **Cohen, NM**, Hsia, P-W, Wechsler, AS & Damiano, RJ (1995). Hyperpolarized cardiac arrest with a potassium channel opener, Aprikalim. The Journal of Thoracic and Cardiovascular Surgery **110**:1083-1095.
- (19) Maskal, SL, Fields, CE, **Cohen, NM** & Damiano, RJ (1995). Persistent electrical activity during hyperpolarized cardiac arrest does not affect postischemic myocardial recovery. Surgical Forum XLVI:222-224.
- (20) Hsia, PWE, Frerk, S, Allen, CA, Wise, RM, **Cohen, NM** & Damiano, RJ (1996). A critical period of ventricular fibrillation more susceptible to defibrillation: real-time waveform analysis using a single ECG lead. Pacing and Clinical Electrophysiology **19**:418-430.
- (21) Posner, MP, Makhoul, RG, Altman, M, Kimball, P, **Cohen, NM**, Sobel, M, Dattilo, J & Lee, HM (1996). Early results of infra-geniculate arterial reconstruction using cryopreserved homograft saphenous conduit (CADVEIN) and combination low dose systemic immunosuppression. The Journal of the American College of Surgeons **183**:208-216.
- (22) Danetz, JS, Jayawant AM, Dattilo, JB, DeMaria, EJ & **Cohen, NM** (2000). Intrathoracic herniation and perforation 18 years following open Nissen fundoplication. Journal of Laparoendoscopic & Advanced Surgical Techniques **10**:277-281.
- (23) Houck, WV, Broderick, TJ, Cohen, SA & **Cohen, NM** (2002). Benign metastasizing leiomyoma. Surgical Endoscopy **16**(4):716.
- (24) Vaida, AM, Tang, DG, Allen, C, Wise, RM, Higgins, RSD & **Cohen, NM** (2003). Novel protection strategy for pulmonary transplantation Journal of Surgical Research **109**(1):8-15.
- (25) Johnstone, D & Ernst, A *et al* for the ACCP Interventional Chest/Diagnostic Procedures NetWork (2003). Interventional Procedural Standards Guidelines Position Statement. CHEST **123**(5):1693-1717.
- (26) Tang, DG, Pavot, D, Mouria, M, Holwitt, D, Vaida, AM, Higgins, RSD & **Cohen, NM** (2003). Warm ischemia lung protection with Pinacidil – an ATP-regulated potassium channel opener. The Annals of Thoracic Surgery **76**(2):385-390.
- (27) Kepley, CL & **Cohen, NM**. Evidence for human mast cell non-releaser phenotype (2003). The Journal of Allergy and Clinical Immunology **112**(2):457-459.

- (28) **Cohen, NM** (2003). Focus on lung cancer. Greater Oncology Today **Fall 2003**:20-23.
- (29) Andrs, K, Brooks, JW, Savage, LS & **Cohen NM** (2004). Performance improvement with a multidisciplinary clinical guideline for patients undergoing minimally invasive thoracic surgery. Joint Commission Journal on Quality and Safety **30(2)**:89-94.
- (30) Oskeritzian, CA, Zhao, W, Pozez, A, **Cohen, NM**, Grimes, M & Schwartz, LB (2004). Neutralizing endogenous IL-6 renders mast cell of the MC_T type from lung, but not the MC_{TC} from skin and lung, susceptible to human rIL-4-induced apoptosis. The Journal of Immunology **172(1)**:593-600.
- (31) Higgins, RSD, Bridges, J, O'Donnell, MA, **Cohen, NM**, Wilkes, SB (2004). Implementing the ACGME general competencies in a cardiothoracic surgery residency program using 360-degree feedback. The Annals of Thoracic Surgery **77(1)**:12-17.
- (32) Levine SM *et al* on behalf of the Transplant/Immunology Network of the American College of Chest Physicians (2004). A survey of clinical practice of lung transplantation in North America. CHEST **125**:1224-1238.
- (33) **Cohen, NM** (2004). Lung cancer screening. Greater Oncology Today **Spring 2004**:4-6.
- (34) Tang, DG, Vaida, AM, Wise, RM, Higgins, RSD & **Cohen, NM** (2004). Plasmolemmal potassium gradient does not affect lung protection by ATP regulated potassium channel openers (PCOs). Journal of the American College of Surgeons **198**:960-965.
- (35) Pastis, NJ, Nietert, PJ, Silvestri, GA for the American College of Chest Physicians Interventional Chest/Diagnostic Procedures Network Steering Committee (2005). Variation in Training for Interventional Pulmonary Procedures Among US Pulmonary/Critical Care Fellowships: A Survey of Fellowship Directors Chest **127**:1614-1621.
- (36) Pastis, NJ, Nietert, PJ, Silvestri, GA for the American College of Chest Physicians Interventional Chest/Diagnostic Procedures Network Steering Committee (2005). Fellows' Perspective of Their Training in Interventional Pulmonary Procedures. Journal of Bronchology **12**:88-95.
- (37) Mehta, AC, Prakash, UBS, Garland, R, Haponik, E, Moses, L, Schaffner, W, Silvestri, GA for the American College of Chest Physicians Interventional Chest/Diagnostic Procedures Network Steering Committee (2005). Consensus Statement: Prevention of Flexible Bronchoscopy-Associated Infection. CHEST **128**:1742-1755.
- (38) Telemeco T, Ayres, C, Bowlin, GL, Wnek, GE, Boand, ED, **Cohen, NM**, Baumgarten, CM, Mathews, J, & Simpson, DG (2005). Regulation of cellular infiltration into tissue engineering scaffolds composed of submicron diameter fibrils produced by electrospinning. Acta Biomaterialia **1(4)**:377-385.
- (39) **Cohen, NM** (2006). Cybermedicine: Electronic medical records make healthcare geography neutral. The Medical Bulletin **4 (7)**:3.

- (40) **Cohen, NM**, Bhalotra, S & Chilingirian, J (2007): Implementing an advanced surgery program at a tertiary care regional medical center: Leading change and the liabilities of newness. INSEAD The Business School for the World.
- (41) Bleier, BS, **Cohen, NM**, Bloom, JD, Palmer, JN, Cohen, NA (2010). Laser tissue welding in lung and tracheobronchial repair: an animal model. CHEST **138**(2):345-349.
- (42) Darling, Gail E, et al (2011). Randomized trial of mediastinal lymph node sampling versus complete lymphadenectomy during pulmonary resection in the patient with N0 or N1 (less than hilar) non-small cell carcinoma: Results of the American College of Surgery Oncology Group Z0030 Trial. The Journal of Thoracic and Cardiovascular Surgery 141(3):662-670.
- (43) Vachani A, Hammoud, A, Springmeyer, S, **Cohen, NM** et al (2015) Clinical Utility of a Plasma Protein Classifier for Indeterminate Lung Nodules. Lung **193** (6) pp 1023-1027; online version of this article <https://doi:10.1007/s00408-015-9800-0>
- (44) Davis, RJ, Messing, B, **Cohen, NM**, Akst, LM (2021). "Voice Quality Findings in Patients with Suspected Lung Cancer". Otolaryngology-Head & Neck Surgery <https://doi.org/10.1177/01945998211008382>

BOOK CHAPTERS

- (1) Hamlyn, JM, **Cohen, NM**, Zyren, J, & Blaustein, MP (1985). Activating effects of low dose cardiotonic steroids on dog kidney Na,K-ATPase activity: role of endogenous inhibition. In IM Glynn & JC Ellory (eds.) The Sodium Pump Fourth International Meeting on Na,K-ATPase. Cambridge, England.
- (2) Lederer, WJ, Berlin, JR, **Cohen, NM**, Nichols, CG, Smith, GL & Cannell, MB (1988). Calcium current and excitation-contraction coupling in heart. In M Rosen & Y Palti (eds.) Lethal arrhythmias resulting from myocardial ischemia and infarction pp. 3-11. Second Rappaport symposium. Haifa, Israel.
- (3) Lederer, WJ, Berlin, JR, **Cohen, NM**, Hadley, RW, Bers, DM & Cannell, MB (1990). Excitation-contraction coupling in heart cells: roles of the sodium-calcium exchange, the calcium current and the sarcoplasmic reticulum. in Annals of the New York Academy of Sciences, Embryonic origins of defective heart development. DE Bockman & ML Kirby eds. **588**:190-206.
- (4) **Cohen, NM** (2004). Bronchogenic Cysts. In SC Yang & DE Cameron (eds) Current therapy in Thoracic and Cardiovascular Surgery pp. 144-145. Mosby. Philadelphia, PA
- (5) Tang DG, Kiev, J and **Cohen, NM** (2006). Pathobiology of Surgically Relevant Lung Disease in TA Miller, (ed) Modern Surgical Care: Physiological Foundations and Clinical Applications Informa Healthcare, NY. pp. 631-648.

PUBLICATIONS

ABSTRACTS and INVITED PRESENTATIONS

- (1) Chin, HR, **Cohen, NM**, & Klein, WL (1981). Factors influencing the concentration and cholinergic regulation of muscarinic receptors in neuron-like hybrid cells. Neurosciences Abstracts 160.5.
- (2) **Cohen, NM**, & Klein, WL (1982). Independence of cholinergic and histamine-stimulated increases in phosphatidylinositol turnover in cloned cells. Neurosciences Abstracts 156.6.
- (3) Hamlyn, JM, **Cohen, NM**, & Blaustein, MP (1983). Stimulation of dog kidney Na,K-ATPase by low dose cardiotonic steroids is due to disinhibition of the enzyme. Circulation **68**(4):249.
- (4) **Cohen, NM** & Lederer, WJ (1986). Steady-state kinetic parameters of the calcium current (I_{Ca}) in neonatal rat single cardiac myocytes. Biophysical Journal **49**:175a.
- (5) **Cohen, NM** & Lederer, WJ (1986). Developmental changes in the steady-state kinetic parameters of the calcium current in isolated rat heart cells. Journal of General Physiology **88**:17a.
- (6) Allen, IS, **Cohen, NM**, Dhallan, RD, & Rogers, TB (1987). Angiotensin II increases the calcium current in neonatal rat single cardiac myocytes. Journal of Physiology **390**:64P.
- (7) Allen, IS, **Cohen, NM**, Dhallan, RD, Dosemeci, A, Lederer, WJ & Rogers, TB (1987). Phorbol esters increase the rate of spontaneous beating in cultured neonatal rat cardiac myocytes. Journal of Physiology **390**:67P.
- (8) **Cohen, NM**, Lederer, WJ & Rogers, TB (1987). Phorbol esters increase the calcium current in neonatal rat cardiac myocytes. In G. Fiskum (ed) Cell Calcium Metabolism Seventh International Washington Spring Symposium. Washington, D.C.
- (9) **Cohen, NM**, Lederer, WJ & Nichols, CG (1990). ATP-sensitive potassium channels underlie contractile failure in single human cardiac myocytes during complete metabolic inhibition. Circulation **82**(4) supp III:519.
- (10) Clemo, HF, **Cohen, NM** & Baumgarten, CM (1992). ANF, Bumetanide and 8-Br-cGMP reduce cell volume of human myocytes. Journal of Molecular and Cellular Cardiology **24**(Suppl III):S59.
- (11) **Cohen, NM** & Lederer, WJ (1992). Calcium current inactivation in single human cardiac myocytes. Pacing and Clinical Electrophysiology **15**(4):554.
- (12) Belz, MK, Wise, RM, Hsia, PWE, **Cohen, NM**, Allen, CA & Damiano, RJ (1992). The effect of left ventricular volume on the unipolar electrogram. Pacing and Clinical Electrophysiology **15**(4):556.

- (13) **Cohen, NM**, Allen, CA, Belz, MK, Nixon, TE, Wise, RM & Damiano, RJ (1992). Electrophysiological consequences of hypothermic hyperkalemic elective cardiac arrest. European Journal of Cardiac Pacing and Electrophysiology **2**(2):A194.
- (14) Belz, MK, Wise, RM, Hsia, PWE, **Cohen, NM**, Allen, CA & Damiano, RJ (1992). The effect of left ventricular volume on the unipolar electrogram. European Journal of Cardiac Pacing and Electrophysiology **2**(2):A146.
- (15) Suleymanian, MA, **Cohen, NM** & Baumgarten, CM (1993). Does stretch activation of K-ATP channels alter cardiac cell volume? Biophysical Journal **64**(2):A395.
- (16) **Cohen, NM**, Allen, CA, Hsia, P-W, Nixon, TE, Wise, RM & Damiano, RJ (1993). Global and local indicators of electrophysiological injury by hyperkalemic cardioplegic arrest. Pacing and Clinical Electrophysiology **16**(4):910.
- (17) **Cohen, NM**, Wise, RM & Damiano, RJ (1993). Hyperpolarized elective cardiac arrest with an ATP-sensitive potassium channel opener. Pacing and Clinical Electrophysiology **16**(4):869.
- (18) **Cohen, NM**, Wise, RM & Damiano, RJ (1993). Hyperpolarized cardiac arrest for myocardial protection during surgical global ischemia. Surgical Forum XLIV.
- (19) Hsia, PWE, Frerk, S, Wise, RM, **Cohen, NM** & Damiano, RJ (1993). On-line electronic identification of a period of vulnerability to defibrillation using real-time ventricular fibrillation waveform analysis. Circulation **88**(4):I-53.
- (20) **Cohen, NM**, Tarry, WC, Wise, RM, Makhoul, RG & Damiano, RJ (1993). Chronic administration of L-arginine, a nitric oxide precursor, protects the heart from ischemia-reperfusion injury. Circulation **88**(4):I-330.
- (21) Shapiro, JH, **Cohen, NM**, Lofland, GK & Wolman RL (1994). Thoracic sympathectomy via the epidural route blunts pulmonary vascular response to stimulation in piglets. Anesthesiology **81**(3A):A750.
- (22) Maskal, SL, **Cohen, NM**, Allen, C, Hsia, PWE & Damiano, RJ (1994). Hyperpolarizing cardioplegia with aprikalim, a potassium channel opener. Circulation **90**(4):I-49.
- (23) **Cohen, NM**, Brooks, JW, Maier, GW & Savage, LA (2000). The impact of a clinical guideline on quality outcomes for patients undergoing minimally invasive thoracic surgery. 47th annual meeting of the Virginia Surgical Society.
- (24) **Cohen NM** (2000). Minimally Invasive Esophagectomy; the MCV experience. 36th annual meeting of the Humera Surgical Society.
- (25) **Cohen NM** (2000). Thoracic surgery for the pulmonologist. CHEST 2000 meeting of the American College of Chest Physicians.
- (26) **Cohen NM**, Moses, L, Maroney, TP & Tisnado, J (2000). Endobronchial covered stent treatment of traumatic rupture of the left mainstem bronchus. 86th annual Clinical Congress of the American College of Surgeons.

- (27) **Cohen NM**, Brooks, JW & Savage LS (2000). Performance improvement by utilizing a multidisciplinary clinical guideline for patients undergoing minimally invasive thoracic surgery. Developing Collaborative Solutions. A systems approach to performance improvement. University HealthSystem Consortium.
- (28) **Cohen NM** (2001). Video-assisted thoracoscopic sympathectomy for hyperhidrosis. 37th annual meeting of the Humera Surgical Society.
- (29) **Cohen NM** (2001). The challenges in establishing a minimally invasive esophagectomy program. Advances in the management of benign and malignant esophageal disease. University of Pittsburgh Medical Center.
- (30) **Cohen NM** (2001). Update on minimally invasive thoracic surgery. 3rd annual Interventional Bronchoscopy Seminar: Innovations in bronchoscopy. Medical College of Virginia Hospitals & Physicians of Virginia Commonwealth Health System.
- (31) **Cohen NM** (2001). Advanced minimally invasive thoracic surgery procedures. Video-Assisted Thoracic Surgery Course. The Uniformed Services University of the Health Sciences. Bethesda, MD
- (32) **Cohen, NM** (2001). Steps of laparoscopic esophagectomy. Advanced minimally invasive surgery seminar. Minimally Invasive Surgery Center at the Medical College of Virginia Hospitals & Physicians of Virginia Commonwealth University Health System.
- (33) Moses, LC, Doherty, RD, Maroney, TP, **Cohen, NM**, Nesbett, J, Quagliano, P & Tisnado, J (2001). The use of self-expanding metallic stents in the treatment of advanced nonmalignant tracheobronchial disease. CHEST **120**:160S.
- (34) Vaida, AM , Allen CA, Higgins RSD & **Cohen NM** (2001). Novel protection strategy for pulmonary transplantation. Journal of Surgical Research **100**:250.
- (35) Higgins R, Bridges J, **Cohen N**, O'Donnell M, Burke J (2002). 360-Degree Feedback Survey to Assess Overall Competency in Cardiothoracic Surgery Fellowship Programs. Invited Poster Presentation, Accreditation Council for Graduate Medical Education, "Mastering the Accreditation Process" Conference.
- (36) Higgins R, Bridges J, **Cohen N**, O'Donnell M, Burke J (2002). 360-Degree Feedback Survey to Assess Overall Competency in Cardiothoracic Surgery Fellowship Programs. Invited presentation, Thoracic Surgery Directors Association Annual Meeting.
- (37) Houck, WV, & **Cohen NM** (2002). Barriers to care: differences in the treatment of lung cancer. Southeastern Surgical Congress.
- (38) **Cohen NM** (2002). Minimally invasive thymectomy for myasthenia gravis. 49th annual meeting of the Virginia Surgical Society.
- (39) Kasirajan V, Bennett-Edwards L, DeAnda A, **Cohen N**, Mehta I, Higgins R (2002). The Impact of Heart Donor Variables on Recipient Survival. Annual meeting of the Heart Failure Society of America.

- (40) **Cohen NM** (2002). Percutaneous Tracheostomy. 4th annual Interventional Bronchoscopy Seminar: Innovations in Bronchoscopy. Medical College of Virginia Hospitals & Physicians of Virginia Commonwealth Health System.
- (41) **Cohen, NM** (2002). Minimally invasive thoracic surgery in the computer information age. State of the Art Lecture of the 49th Annual Virginia Pulmonary Conference. Virginia Thoracic Society.
- (42) **Cohen NM** (2002). Novel pulmonary protection for lung transplantation using ATP-dependent potassium channel openers. American College of Surgeons Surgical Biology Club III.
- (43) Tang, DG, Vaida, AM, Higgins, RSD & **Cohen, NM** (2002). Effect of sarcolemmal potassium gradient on lung protection by ATP-regulated potassium channel openers. Journal of the American College of Surgeons **195(3)**:S28.
- (44) Tang DG, Vaida, AM, Wise, RM, Higgins, RSD & **Cohen, NM** (2002). Warm ischemia lung protection with diazoxide, a mitochondrial specific ATP-regulated potassium channel opener. Journal of Surgical Research **107(2)**:283.
- (45) Tang, DG, Pavot, D, Mouria, M, Holwitt, D, Vaida, AM, Higgins, RSD & **Cohen, NM** (2002). Warm ischemia lung protection with Pinacidil – an ATP-regulated potassium channel opener. 49th Annual Meeting of the Southern Thoracic Surgical Association.
- (46) **Cohen, NM** (2003). Novel protection strategies for lung transplantation. Annual meeting of the Eastern Surgical Society.
- (47) Tang, DG, Holwitt, D, Pavot, DR, Mouria, MM & **Cohen NM**. (2003). Mitochondrial and plasmolemmal K_{ATP} channels in ischemic lung protection. 50th annual meeting of the Southern Thoracic Surgical Association.
- (48) **Cohen, NM** (2003). Minimally invasive thoracic surgery in the computer information age. Department of Surgery Grand Rounds. Greater Baltimore Medical Center, Baltimore, MD.
- (49) **Cohen, NM** (2003). Update and current state of minimal invasive thoracic surgery. Department of Medicine Grand Rounds. Greater Baltimore Medical Center, Baltimore, MD.
- (50) **Cohen, NM** (2003). Anesthetic considerations in minimally invasive thoracic surgery. Department of Anesthesiology Grand Rounds. Greater Baltimore Medical Center, Baltimore, MD.
- (51) **Cohen, NM** (2003). Lung volume reduction surgery in the treatment of advanced emphysema. Housestaff Journal Club. Department of Medicine, Greater Baltimore Medical Center, Baltimore, MD.
- (52) **Cohen, NM** (2003). Integration of minimally invasive thoracic surgery into multimodality treatment of early stage lung cancer. 4th Biennial Cancer & Rehabilitation Conference, Medical College of Virginia of Virginia Commonwealth University, Richmond, VA.
- (53) **Cohen, NM** (2003). The importance of lymph nodes in lung cancer staging. CHEST 2003. American College of Chest Physicians, Orlando, FL.

- (54) **Cohen, NM** (2003). How do we optimize early lung allograft function? Lung Transplantation: State of the Art in 2003. CHEST 2003. American College of Chest Physicians. Orlando, FL.
- (55) **Cohen, NM & Blum, M** (2003). Cardiothoracic Parallel Session. 37th annual meeting of the Association for Academic Surgery. Sacramento, CA.
- (56) **Cohen, NM** (2003). Update on trends in lung cancer treatment and minimally invasive thoracic surgery. Medical Advisory Board, Greater Baltimore Medical Center, Baltimore, MD.
- (57) **Cohen, NM** (2003). Staging and multimodality treatment of lung cancer. Surgical Tumor Board. Greater Baltimore Medical Center, Baltimore, MD.
- (58) **Cohen, NM** (2004). Minimally invasive thoracic surgery in the computer information age. Department of Surgery Grand Rounds. St Agnes Healthcare, Baltimore, MD.
- (59) **Cohen, NM** (2004). Surgical advances in the treatment of lung cancer. Junior Gunpowder Agricultural Club. Phoenix, MD.
- (60) **Cohen, NM** (2004). Minimally invasive thoracic surgery techniques in the multimodality treatment of lung cancer. GBMC Foundation Board, Greater Baltimore Medical Center, Baltimore, MD.
- (61) **Cohen, NM** (2004). Diagnosis, staging and treatment of esophageal cancer. Surgical Tumor Board, Greater Baltimore Medical Center, Baltimore, MD.
- (62) **Cohen, NM, Ma, L, Ernst, A, Gamliel, Z, Silvestri, G & Detterbeck, F** (2004). Mediastinal lymph node staging. CHEST 2004. American College of Chest Physicians. Seattle, WA
- (63) **Cohen, NM** (2004). Identifying potential donors in the community intensive care unit. Lung transplantation topics for the community pulmonary/critical care practitioner. CHEST 2004. American College of Chest Physicians. Seattle, WA.
- (64) **Cohen, NM & Nackman, BG** (2004). Cardiothoracic / Aneurysmal Disease Moderated Poster session. 38th meeting of the Association for Academic Surgery. Houston, TX.
- (65) **Cohen, NM & LeMaire, SA** (2004). Cardiothoracic Parallel session. 38th annual meeting of the Association for Academic Surgery. Houston, TX.
- (66) **Cohen, NM** (2004). The Expanding Role of Academic Surgeons. Issues Workshop at the 38th annual meeting of the Association for Academic Surgery. Houston, TX.
- (67) **Cohen, NM** (2005). Creating a multidisciplinary lung cancer program. Holy Cross Hospital Cancer Institute. Silver Spring, MD.
- (68) **Cohen, NM** (2005). Cost benefit analysis of treatment strategies for management of pleural effusion. 18th Annual meeting of The General Thoracic Surgical Club. Naples, FL
- (69) **Cohen, NM** (2005). Performance metrics in the paradigm of 'pay-for-performance' health care. American College of Chest Physicians Board of Regents meeting. Hilton Head, SC

- (70) **Cohen, NM** (2005). Integration of minimally invasive thoracic surgery and systemic chemotherapy in the treatment of early stage lung cancer. Multidisciplinary Tumor Board. St Joseph's Medical Center. Baltimore, MD
- (71) **Cohen, NM** (2005). Update on prevention, screening and early detection of lung cancer. GBMC Health Care Inc. Cancer Prevention and Early Detection Conference. Baltimore, MD
- (72) **Cohen, NM** (2005). Mediastinoscopy is the ideal method for staging the mediastinum in lung cancer. American Association of Bronchology Postgraduate course. Montreal, CANADA.
- (73) **Cohen, NM** (2005). Competency Metrics in Bronchoscopy. CHEST 2005. American College of Chest Physicians. Montreal, CANADA.
- (74) Ernst, A & **Cohen, NM** (2005). Advanced interventional bronchoscopy. CHEST 2005. American College of Chest Physicians. Montreal, CANADA.
- (75) **Cohen, NM** (2006). Performance improvement and early discharge using mobile chest drainage systems in thoracic surgery. 42nd annual meeting Society of Thoracic Surgeons. Chicago, IL
- (76) **Cohen, NM** (2006). Epidemiology of lung cancer - prevention & screening. GBMC Healthcare. Surgical Tumor Conference. Baltimore, MD.
- (77) **Cohen, NM** (2006). Update on current recommendations for lung cancer screening and prevention. Department of Medicine Grand Rounds. Greater Baltimore Medical Center, Baltimore, MD.
- (78) **Cohen, NM**, Kuchar, JJ, & Johns, A (2006). Care of the thoracic surgery patient. A multidisciplinary nursing symposium. Greater Baltimore Medical Center, Baltimore, MD.
- (79) **Cohen, NM** (2006). Integration of minimally invasive thoracic surgery and systemic chemotherapy in the treatment of early stage lung cancer. GBMC Health Care. OB/GYN Grand Rounds. Baltimore, MD.
- (80) **Cohen, NM** (2006). Technology in Thoracic Surgery. Perspectives in Medicine lecture. GBMC Foundation. Baltimore, MD
- (81) **Cohen, NM** (2007). Chest tube management. Nursing education symposium. Greater Baltimore Medical Center. Baltimore, MD
- (82) **Cohen, NM** (2007). Cost-effectiveness analysis: the case for VATS management of pleural effusion. Greater Baltimore Medical Center. Baltimore, MD.
- (83) **Cohen, NM** (2007). Post-thoracotomy patient management. MICU Nursing education symposium. Greater Baltimore Medical Center. Baltimore, MD.
- (84) Bevan, S, Schmidt, W, **Cohen, NM**, & Robbins, W (2008). Pain targets – nociceptive/ inflammation, neuropathic & combination therapies. Cerimon Pharmaceuticals. San Francisco, CA.

- (85) **Cohen, NM** (2008). Evolving environmental issues in chest medicine. Board of Regents meeting. American College of Chest Physicians. Huntington Beach, CA.
- (86) Robbins, W, Schmidt, W, **Cohen, NM**, Bell, G & Sekhri, P (2008). Modulating tissue bioavailability to enhance drug safety. Limerick BioPharma. South San Francisco, CA.
- (87) Meyers, B, Swanson, S & **Cohen, NM** (2008). Current approaches to minimally invasive thoracic surgery. Endo-Surgery Institute. Ethicon Endo-Surgery. Cincinnati, OH.
- (88) Meyers, B & **Cohen, NM** (2008). Advancements in Thoracoscopy. Endo-Surgery Institute. Ethicon Endo-Surgery. Cincinnati, OH.
- (89) **Cohen, NM**, Murthy, S, Ost, D, Sterman, D, Mosenifar, Z, & Sciurba, F (2008). Emerging endobronchial therapies for treatment of emphysema. Giles & Associates Consultancy, Chicago, IL.
- (90) Twaddle, S, **Cohen, NM**, Taylor, D & Coat, D (2008). IDS Strategic and Business Plans. Integrated Delivery Systems Roundtable. Medical Group Management Association. Denver, CO.
- (91) **Cohen, NM**. (2008) Prevention, screening & early detection of lung cancer. Sandra & Malcolm Berman Cancer Institute. Greater Baltimore Medical Center, Baltimore, MD
- (92) **Cohen, NM**. (2009) The role of Information Technology in Managing Change in Healthcare. Annual Meeting of the Virginia Surgical Society. Virginia Beach, VA.
- (93) **Cohen, NM**. (2009). New Models of Healthcare Delivery – are we ready for a fully integrated healthcare delivery system (IDS)? Annual Meeting of the Virginia Surgical Society. Virginia Beach, VA.
- (94) **Cohen, NM**. (2009). Healthcare Reform: are we ready for an integrated delivery system? Grand Rounds. Children's Hospital of the King's Daughters / Eastern Virginia Medical School, Norfolk, VA
- (95) **Cohen, NM**, Watson A (2009). Connected Medicine. Verizon Wireless Lifesciences & Healthcare Summit. Atlantic City, NJ
- (96) **Cohen, NM** (2010). Integrated fast track protocol using conventional technology results in more rapid recovery after pulmonary resection. 18th European Conference on General Thoracic Surgery, Valladolid, Spain.
- (97) **Cohen, NM** (2010). Conventional ambulatory technology can result in improved outcomes after pulmonary resections when incorporated into a standard clinical pathway. Techno meeting. European Society of Thoracic Surgeons. Valladolid, Spain.
- (98) **Cohen, NM** (2010). Accountable Care Organizations – Preparing and Positioning the Provider Infrastructure. Integrated Delivery Systems Roundtable. Medical Group Management Association. Minneapolis, MN.

- (99) **Cohen, NM** (2010). Health Information Exchange (HIE) and Electronic Medical Records (EMR) Systems. Thought Leadership Discussion. Verizon Wireless Lifesciences & Healthcare Summit. Atlantic City, NJ
- (100) **Cohen, NM**, White, J, O'Conner, K, Sinno, M, Whiteside, L & Zinno, P (2010). Response to Regulations Impacting Healthcare. Verizon Wireless Lifesciences & Healthcare Summit. Atlantic City, NJ
- (101) **Cohen NM** (2011). Direct pleural pressure measurement reveals clinically significant variability in pleural dynamics compared to conventional techniques. 47th annual meeting of the Humera Surgical Society, White Sulphur Springs, WV
- (102) **Cohen NM** (2011). Post-operative thoracic surgery fast track protocol. 47th annual meeting of the Humera Surgical Society, White Sulphur Springs, WV
- (103) **Cohen NM** (2011). Minimally invasive thoracic surgery. Current state and future vision. Ethicon Endo-Surgery. Cincinnati, OH
- (104) **Cohen NM** & Graves, A (2011) Meaningful Use: What you need to know. CHEST 2011 American College of Chest Physicians. Honolulu, HI
- (105) **Cohen, NM**, Lane, A, Ross, M, Forbes, L, Collins, J (2011). mHealth – Virtual Care, Remote Disease Management. Verizon Alcatel-Lucent Healthcare & Wireless Life Sciences Summit. Atlantic City, NJ
- (106) **Cohen, NM**, Meshkin, A, Platt, J, Rosenburgh, R (2012). GroupMD – A Patient Care Social Network for Healthcare Providers. TechBUZZ Capital Connection'12. Washington, DC
- (107) Neptune, J-L, Young, S, Smith, R, **Cohen, NM**, Antwerpes, F & Pitt, A (2012). Care Collaboration and Coordination – “Working Together to Provide Better Care”. Doctors 2.0. Health 2.0 (2012). San Francisco, CA
- (108) **Cohen, NM**, Meshkin, A, Alcorn, R (2012). “Secure Collaborative Communication Platforms”. World Healthcare Innovation & Technology Congress. Arlington, VA
- (109) Meshkin, A, **Cohen, NM** (2013). “Secure Messaging to Coordinate Complex Patient Care”. Health IT Venture Fair & Strategic Partner Forum. HIMSS13. New Orleans, LA
- (110) **Cohen NM** (2013). Healthcare Transformation Project. HIMSS13. New Orleans, LA
- (111) **Cohen NM** (2013). Minimally invasive thoracic surgery – technology and innovation. Current state and future vision. Ethicon / Johnson & Johnson. Baltimore, MD
- (112) **Cohen, NM** (2013). Demonstration of the role of digital technology in advancing patient safety and outcomes based clinical protocols with the eDrain platform. Atrium Maquet National meeting. Scottsdale, AZ.
- (113) **Cohen NM** (2013). Healthcare Transformation Project. HIMSS14. Orlando, FL
- (114) **Cohen NM** (2014). mHealth tools facilitate collaborative communication and coordination of patient care. 50th annual meeting of the Humera Surgical Society, White Sulphur Springs, WV

- (115) **Cohen, NM**, Jones, D, Kumar, VS, Rideout, F, Shaywitz, D, & Suennen, L (2014). Integrated Care Advisory Board. Sanofi Global Center of Excellence, New York, NY
- (116) **Cohen, NM** & Miller, D (2015). Advanced Thoracic Surgery Roundtable. Ethicon, Inc. Chicago, IL
- (117) Harlow, D, Rowley, R, **Cohen, NM** & Meshkin, A (2015). Flow Health – patient centered health information exchange. Ignite! Talk at Medicine X 2015. Stanford Medical School, Palo Alto, CA
- (118) **Cohen, NM** (2020). Department of Medicine Grand Rounds. “Future Tech in Healthcare”. GBMC Healthcare, Baltimore, MD.
- (119) **Cohen, NM** & Hartman, CM (2020). “All Together Now” Multi-Disciplinary Tumor Boards in Electronic Medical Records. Epic User Group Meeting.
- (120) **Cohen NM** & E Marx (2020). “Clinical Analytics, Revenue Cycle & Value Based Care”. Virtual HCIT & Services Conference - Verity Research Healthcare Technology Solutions/Platforms.
- (121) **Cohen, NM** & Day, J (2020). “CDI Engage One CDI Tool - Using Augmented Intelligence (AI) and Natural Language Processing (NLP) to improve clinical documentation and coding accuracy in real-time”. 3M & M*Modal Webinar.
- (122) **Cohen, NM** (2021). “Documenting the Patient’s Story Using Augmented Intelligence (AI) and Natural Language Processing (NLP)”. 3M & M*Modal Webinar series.
- (123) **Cohen, NM** (2021). “Documenting the Patient’s Story: AI-driven Clinical Insights. HIMSS21 Las Vegas, NV
- (124) Custódio, D, Press, D, Ohnmacht, SD, **Cohen, NM** (2021). “Comprehensive Quality Management Systems - Ensuring High Quality of Care”. National Capital Healthcare Executives, American College of Healthcare Executives
- (125) **Cohen NM**, Strobridge, R, Lambiotte, W, Narang, G (2022). “Improving Patient Outcomes by Automating Digital Health.” HIMSS22 Global Health Conference & Exhibition. Orlando, FL
- (126) **Cohen, NM** (2022). “Current and Emerging Digital Health Technologies”. Brooks-Lower Visiting Professor Lecture. Virginia Commonwealth University Health System, Department of Surgery, Division of Cardiothoracic Surgery. Richmond, VA.
- (127) **Cohen, NM** (2022). “Digital Healthcare – Emerging and Developing Technology and Tools.” Grand Rounds, Milton J Dance Head & Neck Center. GBMC Healthcare, Department of Otolaryngology Head and Neck Surgery. Baltimore, MD.
- (128) **Cohen, NM**, Kranz, P, Widmeier, K & Heizenrader, C (2022). “How Virtual Reality is Changing the Patient Experience Both in the Hospital and at Home”. thINc360 – The Healthcare Innovation Congress. Baltimore, MD
- (129) **Cohen, NM**, Leadley, K, & Doshi, J (2022). “Remote Cardiac Monitoring: Emerging Technologies and the Future of Patient-Centered Care.” Rx.Health Educational Webinar. 6JUN2022

- (130) **Cohen, NM** (2022). "A Physician's Perspective on the Digital Healthcare Revolution." Sprinter Health Blog <https://www.sprinterhealth.com/blog/a-physicians-perspective-on-the-digital-healthcare-revolution>.
- (131) Saria, S, Agarwala, V, **Cohen, NM** & Webb, O (2022). "Deploying AI Platforms to Identify Sepsis". <https://bio-eats-world.simplecast.com/episodes/deploying-ai-platforms-to-identify-sepsis>
- (132) Chiamonte D, Fontanesi S, Forsythe-Chisolm L, Zvarick B, Flanagan P & **Cohen NM** (2023). "Fusion of Integrative and Palliative Medicine: Feasibility of a Unique Hospital-Based Integrative Palliative Medicine Program". Academic Consortium for Integrative Medicine and Health Symposium. Chicago, IL
- (133) **Cohen, NM** (2023). "Digital Transformation with Digital Navigation Programs." CIO Bootcamp Focus Group. CHIME Spring Meeting. Nashville, TN
- (134) **Cohen NM & Nicandri, G** (2023) "Aligning Clinical Workflow and AI/ML Technology to Protect Patients and Leverage Data to Drive More Effective Care". ViVE AI Showcase: Going the Distance. Nashville, TN
- (135) **Cohen NM** (2023) "Digital Automation Platforms in Medicine". Future Medicine:AI Hub 22JUN2023. <https://www.fmai-hub.com/digital-automation-platforms-in-medicine/>
- (136) Saria, S & **Cohen, NM** (2023). "Using AI/ML platforms as clinical consultants to intelligently augment care, protect patients, and improve frontline clinicians' experience". 32nd Summer Institute of Nursing Informatics (SINI) 21JUL2023. University of Maryland School of Nursing, University of Maryland Medical System, Baltimore, MD.
- (137) **Cohen, NM** (2023). "Innovation of Healthcare Delivery Now and in the Future." Southern Thoracic Surgical Association 70th Annual Meeting. Orlando, FL
- (138) **Cohen, NM**, Thomas, P, Sethi, S, Falola, T & Hertelendy, A (2024). "Scaling AI Deployment in Healthcare: Strategies for Effective Expansion and Sustained Success". AI in Healthcare Forum. HIMSS2024 Orlando, FL.
- (139) **Cohen, NM** (2024). "Enhancing Patient Care: Exploring the Impact of Clinical Care Coordination Technology in FQHCs". Commure Blog <https://www.commure.com/blog/>
- (140) **Cohen, NM**, Porter, W & Saria, S (2024). "AI/ML Clinical Co-Pilots". Kaiser Permanente Artificial Intelligence in Medicine (AIM) Symposium 08MAY2024.
- (141) **Cohen, NM**, Spisak, B & Hertelendy, A (2025). "AI in Healthcare Forum: Practical Strategies for Empowering People, Processes, and Technology". HIMSS25 Las Vegas, NV
- (142) **Cohen, NM**, Pandita, D, Singh Soni, P, Zolotow, A, Beale, N (2025). "Synaptic Sync – Building Strategic Partnerships for Effective AI Integration: Technology Panel". AI in Healthcare Forum. HIMSS25 Las Vegas, NV