

CURRICULUM VITAE

Lynn R. Kohan MD

I. PERSONAL DATA

Name	Lynn R. Kohan MD
Office Address	[REDACTED]
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II. EDUCATION

Doctor of Medicine	Georgetown University School of Medicine, Washington, DC	1999-5/2003
MS Physiology and Biophysics	Georgetown University School of Medicine Washington, DC	1998-1999
Bachelor of Arts Cum Laude. Psychology Major (Honors in Psychology)	Colgate University, Hamilton, NY	1991-1995

III. POST-GRADUATE EDUCATION

Fellow, Pain Management	University of Virginia Health System, Charlottesville, VA	2008-2009
Resident, Anesthesiology	Georgetown University, Washington, DC.	2005-6/2008

IV. ACADEMIC APPOINTMENTS

Professor Anesthesiology and Pain Management	University of Virginia	7/2022-
Division Chief	Division of Pain Medicine, University of Virginia Pain Management Center	3/2022-
Medical Director	University of Virginia Pain Management Center	3/2021-
Interim Division Chief	Division of Pain Medicine, University of Virginia Pain Management Center	2020-3/2022
Interim Director	Acute Pain Service University of Virginia Department of Anesthesiology	2020-2020

Associate Medical Director	University of Virginia Pain Management Center	2017-6/2022
Associate Professor of Anesthesiology	University of Virginia Health System, Charlottesville, VA	2017-6/2021
Director	University of Virginia Pain Management Fellowship	2012-
Assistant Professor of Anesthesiology	University of Virginia Health System, Charlottesville, VA	2010-2017

V. CERTIFICATION AND LICENSURE

A. Certification

American Board of Anesthesiology Pain Medicine 2010-

American Board of Anesthesiology 2009-

B. Licensure

Virginia 7/2010- Permanent

VI. HONORS AND AWARDS

Dean's Award for Mentorship-Nominee UVA 3/2024

Presidential Commendation Award-Communication-Award Winning Podcast AAPM 3/2024

Presidential Commendation Award-Meeting Chair Award AAPM 3/2024

Pain Fellowship Excellence Award AAPM 3/2023

Presidential Commendation Award AAPM 3/2023

Executive Vice President Award Awarded for recognition of accomplishments that help to elevate UVA Health as a global healthcare leader	University of Virginia	12/2022
Presidential Scholar Award Presidential Scholar Award recognizes members who have demonstrated outstanding scientific and sustained contributions to regional anesthesia and pain medicine in the last 10 years. It is awarded to one chronic pain annually and one acute/regional pain physician annually. It is awarded for leadership in education, mentorship, scholarly activity, etc.	The American Society of Regional Anesthesia and Pain Medicine	11/2022
AAMSE Profile of Excellence Award for Excellence in Membership	AAMSE's awards program recognizes the highest quality programming in education, advocacy, communications, membership, and leadership. Awarded for recognition of creation and quality of the national ASRA Pain Medicine mentor match program. A national program to foster strong mentorship between senior and junior faculty as well as faculty and trainees.	1/2022
Most Valuable Physician Award	ASRA Fall meeting	11/2021
Nomination: Presidential Scholar Award	ASRA	11/2021
Executive Vice President Award Awarded for recognition of accomplishments that help to elevate	University of Virginia	9/2021

American Academy of Pain Medicine	Board of Directors-2022-present Co-Chair Annual Meeting-2022-2023 Annual National Meeting Planning Committee Invited Member- Assist with planning all scientific content for 2022 Annual Meeting Chair: Pain Fellowship Committee 2021-present	3/2021-
National Neuromodulation Society	- Abstract Reviewer - Member	2020-
Data and Safety Monitoring Board	Member Focused on improving Chicago Older Adult Opioid and Pain Management through Patient-Centered Clinical Decision Support and Project ECHO (I-COPE). Funded AHRQ project between UCM & ACCESS community clinics that aims to manage chronic pain, opioid use, and opioid use disorders among older adults using a patient-centered clinical decision support tool and shared decision-making to improve clinical outcomes.	2020-
NIH and SKOAP Collaborators	Pain Intervention Expert Panel- Invited Member The SKOAP trial is expected to have major implications in pain medicine and will be looked at closely by the NIH, CMS, FDA and similar regulatory organizations from around the world As a selected member of this panel I am responsible for advising on adequate standardization of study interventions while ensuring that the study results will provide	2020-

	useful information for stakeholders and decision makers	
UVA Dept of Anesthesia	Research Committee	2020-
UVA Dept of Anesthesia	Clinical Compensation Committee	2020-3/2024
UVA Dept of Anesthesia	Chair Search Interview Committee	2020-2020
American Academy of Regional Anesthesia and Pain Medicine	Membership Committee-Chair Responsible for developing and refining the vision and strategies for membership growth through retaining existing members, attracting new members, soliciting feedback from members and non-members, and suggesting ideas for new or enhanced member benefits. ASRA is the largest pain society in North America.	4/2019-3/2024
American Academy of Regional Anesthesia and Pain Medicine	Multi-Society SUD Ad Hoc Committee-Chair (2019-present) Joint collaboration with between ASRA, ASA, AAPMR, ASAM, ASHP to identify educational needs of anesthesiologists treating people with SUD, recommend and or develop educational resources on SUD, develop practice guidance on X waivers, provide an understanding of how and when an X-waiver is not needed to prescribe buprenorphine, and clarify the legal requirements for treating SUD. This group is starting working on a second article regarding OUD and buprenorphine in the outpatient setting.	1/2019-
Association of Pain Program Directors	- Immediate past president (Nov 2023-present) - President (2022-2023) - President Elect (2021) - Secretary/Treasurer (2020) - Board Member (2019-2020) Create, enhance, and establish educational content and resources for program directors to further	2019-

develop and improve their training programs as well as develop pain medicine “milestones” to enhance competency-based assessment of pain fellows; promote career development for pain specialists and trainees; establish open forum for pain educators to discuss and share ideas related to pain fellowship education.

Society of Academic Associations of Anesthesia and Perioperative Medicine	Specialty Program Directors Council/Board Member Represent specialty program directors in an academic anesthesiology society that effectively represents, advocates, and educates around issues pertinent to academic anesthesiology with the purpose of enhancing academic anesthesiology; education, research, and quality clinical care.	2019-11/2022
Virginia Pain Society	- Treasurer - Founding Member - Annual Planning Committee	2018-
American Interventional Headache Society	Board Member Non-profit organization working to alleviate suffering from intractable headache, neck, and face pain that does not respond to convention treatment. Establish educational resources, guidance, workshops, and research to advance patient care.	2018-
UVA Dept of Anesthesia	Opioid Task Force	2018-
UVA Dept of Anesthesia	Cannabinoid Task Force	2018
American Pain Association	Board Member	2017-
American Society of Regional Anesthesia and Pain Medicine	- Membership Committee-Chair (2019-present) Responsible for developing and refining the vision and strategies for membership growth through	2013-

retaining existing members, attracting new members, soliciting feedback from members and non-members, and suggesting ideas for new or enhanced member benefits. ASRA is the largest pain society in North America.

- Multi-Society SUD Ad Hoc Committee-Chair (2019-present)

Joint collaboration with between ASRA, ASA, AAPMR, ASAM, ASHP to identify educational needs of anesthesiologists treating people with SUD, recommend and or develop educational resources on SUD, develop practice guidance on X waivers, provide an understanding of how and when an X-waiver is not needed to prescribe buprenorphine, and clarify the legal requirements for treating SUD. This group is starting working on a second article regarding OUD and buprenorphine in the outpatient setting.

- Multi-Society Working Group Spinal Cord Stimulation Trialing-ASRA representative (2021-present)

Tasked with developing international guidelines of spinal cord stimulation trialing

- Multi-Society Working Group Pain Fellowship Curriculum-Steering Committee Member (2021-present)

Tasked with creating a national curriculum guide for pain medicine fellowship education

- 2021 Annual Pain Meeting Planning Committee-Member at Large

- 2020 Annual Pain Meeting Planning Committee-Member at Large

- Newsletter Committee-Associate

- Editor** Chronic Pain (2017-2019)
Responsible for producing the content and ensuring the timely publication of the quarterly *ASRA News*. As Associate Editor I was responsible for **leading** and **advising** the team on chronic pain.
- Newsletter Committee—**Member (2015-2017)**- Responsible for producing the content and ensuring the timely publication of the quarterly *ASRA News*
 - Headache SIG—**Chair (2018-april 2022)**
 - Headache SIG—**Founding Member**
 - Resident and Medical Student Pain Education SIG—**Chair** 5/2021-april 2022
 - Resident and Medical Student Pain Education SIG—**Vice Chair (2018-2021)**
 - Resident and Medical Student Pain Education SIG **Founding Member**
 - Resident and Medical Student Pain Education SIG – **Newsletter Liaison** – create quarterly newsletters that highlight educational topics of interest, curate repository of important journal articles, create enduring educational materials to be used by other member-educators.
 - Abdominal and Pelvic Pain SIG- **Newsletter Liaison**- create quarterly newsletters that highlight educational topics of interest, curate repository of important journal articles, create enduring educational materials to be used by other member-educators.
 - Abdominal and Pelvic Pain SIG—**Founding Member**
 - Mentorship/Leadership SIG- **Founding Member**

- Mentorship/Leadership SIG-**CME Liaison until April 2022**
- SUD SIG—**Founding Member**
- Social Media Ambassador- Fall 2019-24, Spring 2019-24

Society of Academic Associations of Anesthesia and Perioperative Medicine 7/2012

American Society of Anesthesiology 2009-

- 2021-present **Member Pain Summit 2.0**
- 2021-2023 **Pain Committee Member**
- 2021-2022 **Education Track Subcommittee Member**
Plan ANESTHESIOLOGY 2022 session; review and rate submissions for the meeting
- 2020-2021 **Education Track Subcommittee Member**
Plan ANESTHESIOLOGY 2021 session; review and rate submissions for the meeting.

VIII. TEACHING ACTIVITIES

A. Classroom, Seminar, or Teaching Laboratory

DRG: anatomy, imaging, and technique	1/2023
DRg complications	12/2022
Simulation Cases: Crisis Management in Pain Management	12/2022, 12/2021, 12/2020, 12/2019, 12/2018, 12/2017, 12/2016, 12/2015
Failed Baclofen Pump	11/2022
Fellow lecture: Journal Club: Multi-institutional international cervical Facet Guidelines	10/2022-

Safe opioid tapering	3/2022
Simulation Cases: How to have difficult conversations with patients	3/2022, 3/2021, 2/2020, 5/2019, 3/2018, 3/2017
Regional fellows: Buprenorphine in the perioperative period	11/2021
Dept of Physiatry: Cervicogenic pain	10/2021
Fellow lecture. Tabletop Workshop: Introduction to spinal cord stimulation and pumps.	7/2021, 7/2020, 7/2019, 7/2018, 7/2017, 7/2016, 7/2015, 7/2014, 7/2013
Fellows Lecture, Interventional Treatments for low back pain	7/2021, 7/2020, 7/2019, 7/2018, 7/2017, 7/2015, 7/2014, 7/2013
Implantable Technology for the Treatment of Pain—Cadaver Lab for Spinal Cord Stimulation and Intrathecal Pumps	7/2021, 7/2020, 7/2019, 7/2018, 7/2017, 7/2016, 7/2015, 7/2014, 7/2013, 7/2012, 7/2011, 7/2010
Introduction to pump programming	7/2021
Fellow Lecture: Buprenorphine	11/2020
Fellow Lecture: Cervicogenic Pain.	9/2020, 9/2019, 9/2018, 9/2017
Ultrasound for chronic pain procedures workshop	2/2020, 2010

Fellow Lecture Journal Club: Neuromodulation, Review of the current publications.	2020, 2/2019
Fellow lecture: Journal Club: Infection guidelines for neuromodulation procedures	2020
Fellow lecture: Journal Club: Multi- institutional international Lumbar Facet Guidelines.	2020
Fellow lecture: Journal Club: Safety consensus guidelines for interventional pain procedures.	2020, 2/2019, 2/2018, 2/2017, 2/2017
DRG workshop. University of Virginia.	9/2019
Fellow Lecture: Journal Club DRG stimulation.	10/2018
Fellow Lecture: Journal Club Safeguard techniques for epidural steroid injections.	9/2018
MILD procedure 9/18	9/2018
Fellows lecture. Radiology assessment of the patient with spinal pain chapter review.	8/2018, 8/2017, 8/2016, 8/2015, 8/2014, 7/2013, 8/2012, 8/2011
Fellow Lecture: How to perform a pain physical exam.	7/2018, 7/2017, 7/2016
Fellow Lecture: Imaging Review.	7/2018
Fellow Lecture: ASRA Highlights.	12/2017
Fellow Lecture: Complex Regional Pain Syndrome Journal Club.	12/2017

Fellow Lecture: International Classification of Headaches.	10/2017
Fellows lecture. Sacroiliac joint denervation.	2017, 2016, 2015, 2014, 2013
Resident lecture Dept of Psychiatry: pain management in patients with psychiatric disease.	4/2016, 4/2015, 5/2014
Fellows Lecture: Advanced interventional pain therapies.	7/2015, 7/2014, 7/2013
Fellows lecture: Botox for chronic daily migraine.	2/2015
Fellows lecture. All about facets.	2015, 2014, 2013
Fellow lecture: anticoagulation for interventional pain procedures.	12/2014
Fellows lecture. Antidepressants in pain management.	8/2014, 7/2013, 10/2012, 7/2011, 7/2010
Fellows lecture. Pelvic pain.	2014, 2013, 2/2012
Fellows lecture: complex regional pain syndrome.	2014, 2013, 2012
Fellow lecture. Phantom limb pain.	2013, 2012, 2011, 9/2010
Fellow Lecture: Low back pain Raj Chapter Review.	9/2011
Fellow Lecture: outcomes, efficacy, and complications of the treatment of back pain Raj Chapter Review	9/2011

Fellow lecture: Surgical treatment of lumbar spinal disorders Raj Chapter Review 9/2011

Fellow lecture: Radiation safety and use of radiographic contrast agents in pain Raj Chapter Review 8/2011

Acute post-operative management of pain (Georgetown University) 6/2008

B. Clinical Teaching (in ward, clinic, OR)

In patient setting, OR Pain clinic 2009-

IX. TEACHING ACTIVITIES OTHER THAN CLASSROOM OR CLINICAL, INCLUDING TEACHING OF UNDERGRADUATE (PRE-BACCALAUREATE), GRADUATE, POSTDOCTORAL STUDENTS AND CONTINUING EDUCATION MEDICAL STUDENTS.

A. Conferences, Grand Rounds, Journal Clubs, etc

I am highly involved in the teaching of pain management fellows in all aspects of pain management including clinic, procedures, and surgical techniques. This teaching takes place in both the in-patient and outpatient settings.

Responsible for teaching anesthesia residents on the Acute Pain Service. This involves teaching of epidural placement and management in addition to acute pain related issues.

As the director of the education curriculum, I develop the educational content for the pain fellowship, lectures, conferences, journal clubs, grand rounds, workshops, and simulations. The curriculum is based on the ACGME pain fellowship requirements as well as practice management and hands on skills. I developed a 2-part simulation curriculum for the fellows focusing on crisis management as well as challenging patient conversations.

Department of Surgery, Grand Rounds, Management of the Opioid Tolerant Patient University of Virginia 1/2023

Department of Neurology, UVA, Cervicogenic Headache University of Virginia 9/2022

Dept of Surgery, University of Virginia Medical Center, Management of the Challenging Patient University of Virginia 7/2021-7/2021

Dept of Anesthesiology, University of Virginia Medical Center, Management of Buprenorphine in the Perioperative Period.	University of Virginia	1/2021
Dept of Physical Medicine and Rehabilitation, University of Virginia Medical Center, Harm Reduction Strategies in the Opioid Epidemic.	University of Virginia	1/2019
Dept. of Anesthesia, University of Virginia Medical Center, Harm Reduction Strategies in the Opioid Epidemic.	University of Virginia	12/2018
Dept of Orthopedics, University of Virginia Medical Center, Interventional treatments for low back pain.	University of Virginia	2/2016
Dept of Anesthesia, University of Virginia Medical Center, Ketamine infusions for acute and chronic pain.	University of Virginia	1/2015
Dept. of Physiatry, University of Virginia Medical Center, Interventional treatments for low back pain.	University of Virginia	7/2014
Dept of Rheumatology, University of Virginia Medical Center. Interventional treatments for low back pain.	University of Virginia	5/2014, 2012
Dept of Physiatry, University of Virginia Medical Center, CRPS.	University of Virginia	10/2013
Dept of Physiatry. University of Virginia Medical Center, CRPS.	University of Virginia	10/2012
Dept of Anesthesia, University Medical Center, Phantom Limb Pain.	University of Virginia	1/2011
Dept of Anesthesia. Georgetown University Medical Center, Interventional techniques in cancer treatment.	Georgetown University	3/2009

B. Other, including development of curriculum or new teaching materials, methods of evaluation, program supervision, etc.

Kohan L. Case Study/PBLD: Patient with neuropathic pain. American	ASRA Pain Medicine	2019
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Society of Regional Anesthesiology and Pain Management. Medical student/resident Special Interest Group. Resource for members.

Kohan L. Classification of Headache Disorders. American Society of Regional Anesthesia and Pain Management. Webcast. Headache Special Interest Group. Resources for members. 2018. ASRA Pain Medicine 2018

X. OTHER PROFESSIONAL ACTIVITIES (BOARDS, EDITORSHIPS, ETC.)

Associate Editor, Pain Reports	1/2022-
Reviewer, Pain Practice	1/2022-
Assistant Editor, Anesthesia and Analgesia	4/2021-10/2023
Assistant Editor	1/2021-
Invited special editor: SUD series special edition Acute and Regional Pain Section, Anesthesia and Analgesia	
Associate Editor, Interventional Pain Medicine	1/2021-
Reviewer, Mayo Clinic Proceedings	1/2021, 1/2021
Reviewer, Current Pain and Headache Reports	10/2020
Associate Editor, Pain Medicine Case Reports	1/2020
Reviewer, Regional Anesthesia and Pain Medicine	1/2020
Reviewer, Neuromodulation: Technology at the Neural Interface	1/2020
Section Editor-Education Section, Pain Medicine Journal	2020-
Reviewer, Anesthesia and Analgesia Practice Management	10/2019
Reviewer, Focused Ultrasound Foundation	1/2019-
Reviewer, Anesthesia and Analgesia	1/2019
Reviewer, The Clinical Journal of Pain	1/2019
Reviewer, Pain Medicine	1/2019
Section Editor-Education, Annals of Headache Medicine	2019-

XI. CLINICAL ACTIVITIES

A. Inpatient

Implemented use of ketamine infusions for treatment of refractory chronic neuropathic pain states. 7/2015-
Helped with the integration of the inpatient pain service: combing regional, acute, and chronic pain services.
In the process of developing a perioperative pain management center to aid in the care of patients through the perioperative period.

B. Outpatient

Brought new technology and treatment options to the University of Virginia Pain Clinic including: Cooled Radiofrequency Ablation for the treatment of facet disease, sacroiliac joint disease, and osteoarthritis of the knee, hip, and most recently shoulder. 7/2018-
Implemented use of Botox for the treatment of chronic daily headaches.
Implementing new interventional pain techniques for mild moderate stenosis (MILD, Vertiflex, Intracept)
Implemented Kyphoplasty for treatment of vertebral compression fractures.
Developing a perioperative pain clinic to identify patients at risk of difficult to control postoperative pain prior to surgery and implement a treatment plan throughout the perioperative period.

XII. SCHOOL, UNIVERSITY, UVA HOSPITALS, DEPARTMENTS, NATIONAL, AND STATE COMMITTEES & COUNCILS

A. School of Medicine

Educator Advancement Committee	Center for Excellence in Education	2/2024
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B. Hospitals

Ambulatory Strategy & Operations Work Group	UVA	1/2021-
Opioid Task Force	UVA	10/2018-
Cannabinoid Task Force	UVA	10/2018

C. Department

Office of Opioid Stewardship	UVA	1/2022-
Member Leader Committee	UVA	1/2021-

Member Search Committee for Vice Chair of Faculty Affairs	UVA	1/2021-5/2021
Clinical Compensation Committee	UVA	2/2020-
Chair Search Interview Committee	UVA	2020
Research Committee	UVA	2020
Chair of Division Chief Regional Anesthesia and Acute Pain Search Committee	UVA Dept of Anesthesia	10/2018

D. National

Annual Pain Meeting Planning Committee-BOD Liaison	American Society of Regional Anesthesia and Pain Medicine	11/2023-
Immediate Past President	Association of Pain Program Directors	11/2023-
Finance Committee-Member	AAPM	11/2023
ASRA PAin Medicine In Patient Headache Working Group	ASRA Pain Medicine	5/2023
Co-Chair Annual Planning Committee 2024	AAPM	5/2023
Mutlisociety SIJ Working Group	APPD representative	5/2023
Board of Directors	ASRA Pain Medicine	4/2023
Annual Pain Medicine Planning Committee 2023	ASRA Pain Medicine	1/2023-11/2023
- Specialty Program Directors Council/President Elect	Society of Academic Associations of Anesthesia and Perioperative Medicine	11/2022-, 11/2022
Annual Pain Meeting Planning Committee-Member at Large	American Society of Regional Anesthesia and Pain Medicine	11/2022-11/2023, 11/2020-11/2021, 11/2019-11/2021
President	Association of Pain Program Directors	11/2022-11/2023
Development Committee-member	AAPM	11/2022

Co-Chair Annual Planning Committee 2023	AAPM	6/2022-
Board Member	AAPM	3/2022-
Research Committee	AAPM	3/2022-
Education Committee	AAPM	1/2022-
Multi-Society Working Group Spinal Cord Stimulation Trialing-ASRA representative	American Society of Regional Anesthesia and Pain Medicine	1/2022-1/2024
Finance Committee	AAPM	1/2022
President Elect	Association of Pain Program Directors	11/2021-11/2022
Annual Meeting Committee	AAPM	6/2021-3/2022
Pain Committee	ASA	4/2021-
Resident and Medical Student Pain Education SIG- Chair	American Society of Regional Anesthesia and Pain Medicine	4/2021-4/2022
Annual Pain Meeting Planning Committee 2022 Meeting	ASRA Pain Medicine	4/2021
Mentorship/Leadership SIG- Founding Member	American Society of Regional Anesthesia and Pain Medicine	4/2021
Multi-Society Spinal Cord Stimulation Trial Working Group	ASRA Pain Medicine	4/2021
SUD SIG— Founding Member	American Society of Regional Anesthesia and Pain Medicine	4/2021
Working Group Pain Fellowship Curriculum	ASRA Pain Medicine	4/2021
Fellowship Committee-Chair	AAPM	3/2021-
Multi-Society Working Group Pain Fellowship Curriculum-Chair	American Society of Regional Anesthesia and Pain Medicine	1/2021-
ACGME Pain Medicine Milestones 2.0 Workgroup	ACGME	1/2021-6/2022
Council of Chairs	AAPM	1/2021
Treasurer/secretary	Association of Pain Program Directors	11/2020-11/2021

Subcommittee on Pain Education	ASA	4/2020-
Mentorship/Leadership SIG- CME	American Society of Regional Anesthesia and Pain Medicine	4/2020-4/2022
Abdominal and Pelvic Pain SIG- Newsletter Liaison	American Society of Regional Anesthesia and Pain Medicine	4/2020-4/2021
Abdominal and Pelvic Pain SIG— Founding Member	American Society of Regional Anesthesia and Pain Medicine	4/2020
Annual Pain Meeting Planning Committee 2021 Meeting	ASRA Pain Medicine	4/2020
Social Media Ambassador	American Society of Regional Anesthesia and Pain Medicine	11/2019-
- Specialty Program Directors Council/Board Member	Society of Academic Associations of Anesthesia and Perioperative Medicine	11/2019-11/2022
Board member	Association of Pain Program Directors	11/2019-11/2021
Membership Committee-Chair	ASRA Pain Medicine	4/2019-
Multi-Society SUD Ad Hoc Committee-Chair	ASRA Pain Medicine	4/2019-
Membership Committee-Chair	American Society of Regional Anesthesia and Pain Medicine	4/2019-3/2024
Newsletter Committee-Pain Lead	ASRA Pain Medicine	4/2019-4/2021
Multi-Society SUD Ad Hoc Committee-Chair	American Society of Regional Anesthesia and Pain Medicine	1/2019-
Resident and Medical Student Pain Education SIG— Vice Chair	American Society of Regional Anesthesia and Pain Medicine	4/2018-4/2021
Headache SIG— Chair	American Society of Regional Anesthesia and Pain Medicine	4/2018
Board Member	American Interventional Headache Society	2018-
Newsletter Committee	ASRA Pain Medicine	4/2017-4/2019
Newsletter Committee- Associate Editor Chronic Pain	American Society of Regional Anesthesia and Pain Medicine	4/2017-4/2019

Newsletter Committee— Member	American Society of Regional Anesthesia and Pain Medicine	4/2017-4/2019
Resident and Medical Student Pain Education SIG – Newsletter Liaison	American Society of Regional Anesthesia and Pain Medicine	4/2017-4/2019
Resident and Medical Student Pain Education SIG Founding Member	American Society of Regional Anesthesia and Pain Medicine	4/2017
Headache SIG— Founding Member	American Society of Regional Anesthesia and Pain Medicine	4/2016

E. State

Regulatory Advisory Panel	Virginia Board of Medicine	3/2023-5/2023
Treasurer	Virginia Pain Society	10/2018-

XIII. FINANCIAL RESOURCES

A. Federal

i. Current

Site PI (PI: Brain Clark)	NIH SBIR Phase II, “An Instrument to Assess the Functional Impact of Chronic Pain.	1/2022-	\$255,367
Site PI (PI: ?)	A Prospective, Multi-center, Randomized, Single Blind Clinical Trial Comparing COOLIEF* Cooled Radiofrequency to Conventional Radiofrequency Ablation of the Genicular Nerves in the Management of Knee Pain in an Osteoarthritic Patient Population	2020-	\$42,948 [ClinicalTrials.gov Identifier: NCT04145011]
Site PI (PI: Steven Cohen)	A sequenced-strategy for improving outcomes in patients with knee osteoarthritis pain.	2020-	\$406,679 NIH- NCT04504812 HEAL Grant
Site PI (PI: Brain Clark)	An Instrument to Assess the Functional Impact of Chronic Pain	2020-	\$41,950 NIH Grant #:1R44NS1137 40-01

PI	Proposal No. FUS901R1. Phase I Clinical Trial: Safety and Efficacy of the Neurolyser XR for the Treatment of Low Back Pain Related to Sacroiliitis.	2020-	\$248,750
Site PI (PI: Steven Cohen)	A Prospective, Multi-center, Randomized, Assessor Blind, Controlled Study Comparing Lateral Branch Cooled Radiofrequency Denervation to Conservative Therapy as Treatment for Sacroiliac Joint Pain in a Military and Civilian Population	2019-	\$541,303 [ClinicalTrials.gov Identifier: NCT03601949]

B. State

i. Completed

Sub-Investigator (PI: John McNeil)	Medical Education Fellowship Grant Award (UVA School of Medicine) Sub-I on this project to create a web-based tool for medical students to foster pain education.	2020-1/2022	
Sub-Investigator (PI: Lauren Dunn)	Colligan Grant (UVA School of Medicine) Sub-I on this project to create a web-based tool for anesthesia clerkships to foster pain education	2018	

C. Other

i. Current

Site PI (PI: Dr. Hurdle)	FUS Mobile: Study Protocol: Safety and efficacy of using the Neurolyser XR device for the ablation of neural tissue of the lumbar medial branch nerve.	1/2022-	Funding TBD
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ii. Completed

Site PI (PI: ?)	157366 Avanos 1 A Prospective, Multi-center, Randomized, Clinical Trial Evaluating the Safety and Effectiveness of Using COOLIEF. Cooled Radiofrequency Probe to Create Lesions of the Genicular Nerves	2018-2020	\$165,675
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XIV. PERSONNEL CURRENTLY SUPERVISED

Clinton Wilkinson, UVA	7/2023
Michael Luu, UVA	7/2023
Reed Yaras, UVA	7/2023
Shelly Gulhar, UVA	7/2023
Vaibhav Batheja, UVA	7/2023
Victor Yu, UVA	7/2023
Rosalyn Conic, University of Florida Resident mentee	4/2023
Cody Rowan, Private Practice, Georgia	7/2022
Harrison Plunkett, UVA	7/2022
Logan Kinch, Faculty Mentee Private Practice, Sout Carolina	7/2022
Pete Amato, UVA	7/2022
William White, UVA	7/2022
Yasmin Sritapan, UVA	7/2022
Benjamin Gill, University of Utah Resident mentee	4/2022
Brian Brenner, UVA Resident mentee	7/2021-
Braden Webb, UVA	7/2021
Mark Pressler, UVA Resident Mentee	7/2021
Micahel Dove, UVA	7/2021
Taylor Mansfield, UVA	7/2021
Kellie Jaremko, John Hopkins Medical Center Faculty mentee	1/2021

Sudheer Potru, Emory University Faculty mentee	1/2021
Allan Zhang, UVA	7/2020
Daniel Carlyle, UVA	7/2020
David Sharrah, UVA	7/2020
Kristina Michaud, UVA	7/2020
Steven Bhutra, UVA	7/2020
Tiffany Chan, UVA	7/2020
Troy Davis, UVA	7/2020
Anwik Larkar, UVA	7/2019
Clarence Li, UVA	7/2019
Janki Patel, UVA	7/2019
Peter Cooper, UVA	7/2019
Austin Albright, UVA	7/2018
Chad Duncan, UVA	7/2018
Obi Okwuchuku, UVA	7/2018
Simon Willis, UVA	7/2018
Brett Toimil, UVA	7/2017
Cameron Sumner, UVA	7/2017
Eli Harris, UVA	7/2017
James Liadis, UVA	7/2017
Kai-ling Hsu, UVA	7/2017
Matthew Riley, UVA	7/2017
Priya Singla, UVA	7/2017
Riley Pena, UVA	7/2017
Anna Irwin, Faculty Mentee Private Practice, Bethesda	7/2016-
Brain Freed, UVA	7/2016
Brian Kirby, UVA	7/2016
Brittany Aeschlimann, UVA	7/2016
Caitlin Tourje, UVA	7/2016

Clayton Barhorst, UVA	7/2016
Jason Litt, UVA	7/2016
Joseoh Okai, UVA	7/2016
Joshua Roach, UVA	7/2016
Patrick Oley, UVA	7/2016
David Hall, UVA	7/2015
Emily Smith-Straesser, UVA	7/2015
Jospeph Dichara, UVA	7/2015
Kevin Im, UVA	7/2015
Michael Ingraham, UVA	7/2015
Brian Forzani, UVA	7/2014
Charles Clover, UVA	7/2014
Daniel Sanders, UVA	7/2014
Russ Davenport, UVA	7/2014
Ruzbeth Toussi, UVA	7/2014
Andrew Crichlow, UVA	7/2013
Heather Columbano, UVA	7/2013
Jared Davis, UVA	7/2013
Josua Morris, UVA	7/2013
Justin Craig, UVA	7/2013
Kevin Greer, UVA	7/2013
Lara Edinger, UVA	7/2013
Michael Grover, UVA	7/2013
Raj Telhan, UVA	7/2013
SAvio DSouza, UVA	7/2013
Benton Ellison, UVA	7/2012
Douglas Colquhoun, UVA	7/2012
James Deering, UVA	7/2012
James Huang, UVA	7/2012, 7/2012
Joel Hess, UVA	7/2012

Prentiss Lawson, UVA	7/2012
Vip Mangal, UVA	7/2012
Bryant Tran, UVA	7/2011
Justing Ford, UVA	7/2011
Michele Tarasi, UVA	7/2011
Ron Boeding, UVA	7/2011
Tommy Sutton, UVA	7/2011
Justin Badiyan, UVA	7/2010
Kamaldeen Saldin, UVA	7/2010
Nathan Dahle, UVA	7/2010
Rachel Rome, UVA	7/2010
Sabrina Dhillon, UVA	7/2010
Yao Lu, UVA	7/2010
Amy Kipp, UVA	7/2009
Brian Starr, UVA	7/2009
Dan Leach, UVA	7/2009
Narayana Varhabhatla, UVA	7/2009
Samara Shipon, UVA	7/2009
Tafiq Ahmen, UVA	7/2009
Vincent Talosig, UVA	7/2009

XV. PAPERS PUBLISHED OR IN PRESS

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77. **Kohan L**, Hamill R. Pain Assessment and pharmacological Management (book review). *Critical Care Medicine* 2011; 39(9): 2209.
78. Hamill-Ruth R, **Kohan L**, Johnson S. et al. Use of inconsistency score to identify aberrant drug taking behavior. *J of Pain* 2011; 12:6.
79. Jasmin L, **Kohan L**, et al. The cold plate as a test of nociceptive behaviors: descriptive and application to the study of chronic neuropathic and inflammatory models of pain. *Pain* 1998; 75: 367-82.
80. Silverman PM, **Kohan L**, et al. Imaging of the liver with helical CT: A survey of scanning techniques. *American Journal of Roentgenology* 1998; 170: 149-52.
81. **Kohan L**. Relationships between children's performance on a form feature perception test and reading achievement. *Proceedings, Indiana Academy of the Social Sciences* 1996; 31(3): 121-29.
82. Barrevled A, Mendelson A, Deiling B, Armstrong C, Viscusi E, **Kohan L**. Caring for Our Patients with Opioid Use Disorder in the Perioperative Period: A Guide for the Anesthesiologist. *Anesth Anal.* In press
83. Jimenez F, Warner N, Acampora G, Coleman J, **Kohan L**. Substance Use Disorders: Basic Overview for the Anesthesiologist. *Anesth Anal.* In press
84. Shanthanna H, Narouze S, Seldabe, Prozenzano D, Bouche, Buchser E, Chadwick R, Duarte R, Hunt C, Huygen F, Knight J, **Kohan L**, North R, Rosenow J, cjw. Evidence based Consensus Guidelines on Patient Selection and Trial Stimulation for Spinal Cord Stimulation Therapy for Chronic Non-Cancer Pain. *RAPM* In Press.

B. Books and/or Chapters

1. Cornwell D, **Kohan L**. Carbon Dioxide Oxygen Curves. In Abd-Elseyed. *Board Examination Review*. Oxford Press.
e- book available now
2. Cornwell D, **Kohan L**. Central and Peripheral Chemoreceptors. In Abd-Elseyed. *Board Examination Review*. Oxford Press.
e -book available now
3. Cornwell D, **Kohan L**. Controlled Ventilation and Respiratory Centers. In Abd-Elseyed. *Board Examination Review*. Oxford Press.
e book available now

4. Cornwell D, **Kohan L**. Non-Respiratory Lung Functions. In Abd-Elsayed. *Board Examination Review*. Oxford Press.
e book available now
5. Dabreo E., **Kohan L**. Acid Base Physiology. In Abd-Elsayed. *Board Examination Review*. Oxford Press.
e book available now
6. MacCormick S, **Kohan L**. Heat Loss Mechanisms. In Abd-Elsayed. *Board Examination Review*. Oxford Press
e book available now
7. Jameson J, Li S, Bhutra S, **Kohan L**, Ori A. Indirect Lumbar Decompression. In Abd-Elsayed. *Minimally Invasive Spine Surgery for Treatment of Chronic Pain*. Oxford University Press.
8. Orr A, Elmofty D, **Kohan L**. The Painful Vaso-occlusive Sickle Cell Episode. In Elkassabany N, Nada E. *Regional Anesthesia: A Problem-Based Learning Approach*. New York, NY: Oxford University Press.
9. Bedside Pain Management Interventions. Ed. Souza D, **Kohan L**. Springer, NY. In process
Editor
10. Brenner B, Ericson T, Singla P, **Kohan L**. Surgical Instruments (Ch 2). In: Abd-Elsayed. *Spinal Fusion Techniques*. (1st edition). Elsevier, USA. Jan 2023. ISBN: 9780323882231
11. Ghosh P, **Kohan L**. Genicular nerve block. In Souza D, **Kohan L**, Lerman I, Narouze S. *Bedside Pain Management Interventions*. New York, NY: Springer.
12. Riley, M. Patel J, **Kohan L**. Trigger point injections. In Souza D, **Kohan L**, Lerman I, Narouze S. *Bedside Pain Management Interventions*. New York, NY: Springer.
13. Carlyle D, Jameson J, **Kohan L**. Peripheral Nerve Stimulation Education and Psychological Evaluation. In Abd-Elsayed. Elsevier Publishing Company.
14. Riley M, Patel J, Abd-Elsayed A, **Kohan L**. Neuromodulation for the Trigeminal Nerve. In: Abd-Elsayed A. (Eds) *Trigeminal Nerve Pain*. Springer Cham. 2021 ISBN:978-3-030-60687-9.
15. Singla P, Abd-Elsayed A, **Kohan L**. Radiofrequency Ablation. *Trigeminal Nerve Pain*. New York, Springer. 2021 ISBN:978-3030-60687-9.
In press
16. **Kohan L**, Toimil B, Li, C. Migraine symptomatology and diagnosis. In Shah S Ed. *Migraine: Emerging Innovations and Treatment Options*. Springer Nature. 2021.
17. Narouze S, Hakim S, **Kohan L**, Souza D. Pain Physicians and Medical Cannabis: Attitudes, Beliefs, Preparedness, and Knowledge. *Cannabinoids and Pain*. Cham, Switzerland. 2021 ISBN 978-3-030-69186-8
18. Oley P, Thiele E, **Kohan L**. Patient with heart Failure. In. Abd-Elsayed. Ed. *Guide to the In-patient Pain Consult*. New York, NY: Springer; June 2020.

19. Singla P, **Kohan L**. Patient with short gut syndrome. In. Abd-Elsayed. Ed. *Guide to the Inpatient Pain Consult*. New York, NY: Springer; June 2020.
20. **Kohan L.**, Zhu X. 35-year old Female with Full Body Pain. In. Malik T. Ed. *Practical Chronic Pain Management*. New York, NY: Springer; 2020.
21. **Kohan L.**, Zhu X. Increasing Spasticity in a Patient with a Baclofen Pump. In. Malik T. Ed. *Practical Chronic Pain Management*. New York, NY: Springer; 2020.
22. Zhu X., **Kohan L**. A 35-year old Male with Persistent Pain after Hand Injury—Complex Regional Pain Syndrome of Upper Extremity. In. Malik T. Ed. *Practical Chronic Pain Management*. New York, NY: Springer; 2020.
23. **Kohan L**, Liadis J. Cervicogenic Pain. In Anitescu M. Ed. *Pain Management: A Problem-Based Learning Review*. New York, NY: Oxford University Press; 2018.
24. Vorenkamp K., **Kohan L**. Intrapleural Catheters. In: Deer, Ed. *Comprehensive Treatment of Chronic Pain by Medical, Interventional, and Integrative Approaches*. New York, NY: Springer; 2013: 393-402.

C. Health Ed/Videos, etc.

1. Reg Anes Pain Medicine/AAOS: Perioperative Recommendations for Buprenorphine. National Webinar
2. AIHS. Moderator. Interventional Treatments for Chronic Facial Pain, Hemifacial Spasm, and Beyond. Moderator. National Webinars
3. ASRA. Subanesthetic Ketamine: In and Out of the OR: How I do It: Ketamine for CRPS. Speaker. National Webinars
4. A Whole New World: Sneak Peak of ASRA Fall 2021 Meeting National Podcasts
5. Invited Faculty: Women Leaders in Anesthesia and Pain Medicine. ASRA WRAPM SIG panel
6. American Interventional Headache Society. Migraine Updates: Part 5. Role of CGRP Monoclonal Antibodies in Migraine Therapy. Moderator 2/24/21 National Webinars
7. Co-host: Pain Awareness Month/Women in Medicine Month. ASRA Town Hall
8. ASRA. Hot Topics in Pain (Journal Clubs for Pain Fellows and Clinicians. Quarterly. Best Practices in Ambulatory Opioid Therapy including Guidelines, Efficacy, Complications, and Tapering. For trainees and clinicians. 9/8/2020 National Webinars
9. ASRA. Buprenorphine for the Anesthesiologist and Pain Physician. Course Director and speaker: **Kohan L**, Viscusi E. Aug 26, 2020.

National Webinars

10. Eastern Pain Society. Meet the Program Directors. Aug 25, 2020.
National Webinars
11. ASRA Lumbar Facet Joint Pain: Consensus Practice Guidelines for Improving Clinical Outcomes Webinar. Cohen S, **Kohan L**, Eckmann M, Provenzano D. May 6 2020.
National Webinars
12. American Academy of Pain Medicine: Pain Fellows' Education and Research During COVID. Course Director **Kohan L**. May 1, 2020.
National Webinars
13. Pain Exam. A chat with **Lynn Kohan MD**. Pain Fellowship Director. May 20, 2020.
National Podcasts
14. ASRA RAPP Podcast Series 3/2020—Pain Fellowship in the Time of Covid. Kohan, L. Durbhakula, S., Christiansen S, Gupta, R.
National Podcasts
15. ACGME response to Covid. ASRA Resources. 2020.
16. American Interventional Headache Society. Cervical RFA Part 1: Evidence and New Advances with Virtual Display of Various Techniques. **Lynn Kohan M.D.** Speaker
National Webinars
17. American Interventional Headache Society. Migraine update Part 3-Onabotulinumtoxin A (Botox) for Chronic Migraine Prevention with Virtual Display of Injection Technique. Moderator.
National Webinars
18. Invited Faculty: Leaders in Pain Management Virtual Graduation Ceremony for Pain Fellows 2020. ASRA June 7, 2020.
19. Invited Faculty: Leaders in Pain Management Virtual Graduation Ceremony for Pain Fellows 2020. American Society of Anesthesiologists.
20. **Kohan L**. Management of Neuropathic Pain. American Society of Regional Anesthesia and Pain Management—Online Resource Medical Student/Resident Education Special Interest Group.
National PBLD/Case Discussions
21. Pain Medicine News: Sub-occipital block-2 shows complete pain relief of C2 neuralgia in case series. Feb 25, 2020.
22. ASRA Let's Eat. Faculty Facilitator/Mentor. Nov 2019.
23. ASRA RAPP Podcast Series 11/7/18—Ketamine for Refractory Headaches. **Kohan L**, Lauristen C.
National Podcasts

24. **Kohan L.** “Classification of Headache Disorders”. American Society of Regional Anesthesia and Pain Management –Member Resources Headache Special Interest Group. 2018.
Webcasts
25. Pain Medicine News: Gabapentin, pregabalin could relieve pain with fewer risks. Aug 28, 2018.
26. Varhablhata, N. **Kohan L.** “Can podcasts be useful in helping physicians to manage patients with chronic pain?” Young Scientist Award Recipient at University of Virginia (served as faculty sponsor)
Webcasts

D. Short Communications

1. TroubleShooting a Faling Intrathecal Pump. Nans Newsletter
2. Singla P, Renwick C, **Kohan L**, Yalamuru B. Working with acute pain colleagues on opioid reduction in the postsurgical population. *ASRA Pain Medicine News* 2022;47.
<https://doi.org/10.52211/asra110122.052>
3. Grecco G, Torres J, **Kohan L.** How I do it: Genicular nerve radiofrequency ablation. American Society of Regional Anesthesia and Pain Medicine Newsletter Feb. 2022
4. **Kohan L.** Naloxone for the pain physician: What do I need to know? American Society of Regional Anesthesia and Pain Medicine Newsletter. Feb 2021.
5. Ghosh, P. **Kohan L.** Graff V. Kambin’s Triangle Approach to Transforaminal Epidural Injections. American Society of Regional Anesthesia and Pain Medicine Newsletter. 2020.
6. **Kohan L.** Review of genicular nerve denervation for osteoarthritis of the knee. American Society of Anesthesiology and Pain Management, Newsletter. Feb 2019.
7. Francio V. Q & A with experts on spinal cord stimulation (SCS)— A summary for residents and fellows. Expert panel: Caraynnopolous A, Hagedorn J, Kendall R, **Kohan L**, Manzi S, Sayed D. Schneider B. AAP Physiatry in Motion. Sept 2019. The future of pain management. An experts’ roundtable. *Practical Pain Management*. Jan-Feb 2019: 19(1):25-32.
8. Oley P, **Kohan L.** Occipital Neuralgia and greater occipital nerve blocks. American Society of Regional Anesthesia and Pain Medicine Newsletter.
9. Jaremko, K. **Kohan, L.** Pain medicine education: Teach everyone. American Society of Anesthesiology and Pain Management, Newsletter. Aug 1 2017.
10. **Kohan, L.** Elmofly D. Phenotype and genotype in pain. American Society of Regional Anesthesiology and Pain Management. Newsletter. Feb 2017.
11. **Kohan L.** Naloxone, overdose, and chronic pain. American Society of Regional Anesthesia and Pain management Newsletter, Aug 2016.

12. **Kohan L.** How I do it. Managing an inherited “intrathecal” pump patient. American Society of Regional Anesthesia and Pain Medicine Newsletter, May 2014.

E. Abstracts / Posters

1. Fogarty AE, Burnham T, Kuo K, Tate Q, Sperry BP, Cheney C, Walega DR, **Kohan L**, Cohen SP, Cushman DM, McCormick ZL, Conger A. The Effectiveness of Fluoroscopically Guided Genicular Nerve Radiofrequency Ablation for the Treatment of Chronic Knee Pain Due to Osteoarthritis: A Systematic Review. Am J Phys Med Rehabil. 2022 May 1;101(5):482-492. PMID: 35006653, <https://doi.org/10.1097/PHM.0000000000001813>
2. *Purvis T, Newmark J, Brenner G, Brodник D, **Kohan L.** A Survey of pain fellowship directors on pain simulation. American Academy of Pain Medicine Scottsdale, Arizona March 2022.
3. *Luu M, Bhutra S, Hagedorn J, Elmofty D, Warner N, Bendel M, **Kohan L.** Variability in practice: analyzing survey data for follow up care after spinal cord stimulator trial and implantation. ASRA Pain Medicine. San Francisco, Ca. Nov 2021.
4. *Plunkett H, Bhutra S, Hagedorn J, Elmofty D, Warner N, Bendel M, **Kohan L.** Survey assessing pre-procedure patient education for spinal cord stimulation. ASRA Pain Medicine. San Francisco Ca.
5. *Singla P, **Kohan L.** Diffuse myalgia and neuropathic pain after covid vaccine: case report. ASRA Pain Medicine. San Francisco, Ca Nov 2021.
6. Francio V, Gill B, Pritzlaff S, **Kohan L**, Furnish T, Hagedorn J, Sayed D. Factors involved in applicant interview and ranking for chronic pain medicine. American Society of Regional Anesthesia and Pain Medicine. Nov , 2021 San Francisco, Ca.
7. *Admas D, Catapno M, Kisson NR, Barad M, Feoktistov A, Watson J, Shuster N, **Kohan L**, Knezevic n, Haque H, Gothard D, McNich N, Souza D, Narouze S. Greater occipital nerve block for migraine. American Society of Regional Anesthesia Worldwide, 2020.
8. *Elmofty D, **Kohan L.** Presence of opioid safety initiatives: cross-sectional survey results. Mid-western pain society. 2020.
9. *McCormick S, Sheeran J, **Kohan L.** Considerations when performing an epidural blood patch on a patient anticoagulated with low molecular weight heparin: A case report session. Society of Obstetric Anesthesia and Perinatology. Poster presentation 2020. Halifax, Nova Scotia, Canada.
10. McCormick S, Sheeran J, **Kohan L.** Considerations when performing an epidural blood patch on a patient anticoagulated with low molecular weight heparin: A case report. Medically challenging case. American Society of Anesthesia. Washington, DC 2020.
11. Trainer D, Sweitzer B, Provencio J, Connor C, Goldstein R, **Kohan L**, Solorzano G, Sarkar A, Seely M, Naik B. Peripheral nerve stimulation for acute neuropathic pain in

- Guillain Barre Syndrome. Medically challenging case. American Society of Anesthesia and Analgesia. Washington, DC 2020.
12. *Chen A, Khalouf F, Zora K, DePalma M, **Kohan L**, Guirguis M, Beall D, Loudermilk E, Pingree M, Badioloa I, Lyman J. A prospective multi-center, randomized, clinical trial comparing the effectiveness and safety of cooled radiofrequency ablation versus a single injection of hyaluronic acid in the management of knee pain. ACR/ARP Annual Meeting Nov 2019, Atlanta, GA.
 13. *Chen A, Khalouf F, Zora K, DePalma M, **Kohan L**, Guirguis M, Beall D, Loudermilk E, Pingree M, Badioloa I, Lyman J. A prospective multi-center, randomized, clinical trial comparing the effectiveness and safety of cooled radiofrequency ablation versus a single injection of hyaluronic acid in the management of knee pain. American Academy of Physical Medicine and Rehabilitation. Nov 2019, San Antonio, Texas.
 14. *Chen A, Khalouf F, Zora K, DePalma M, **Kohan L**, Guirguis M, Beall D, Loudermilk E, Pingree M, Badioloa I, Lyman J. A prospective multi-center, randomized, clinical trial comparing the effectiveness and safety of cooled radiofrequency ablation versus a single injection of hyaluronic acid in the management of knee pain. American Association of Hip and Knee Surgeons Annual Meeting Nov 2019. Dallas, Texas.
 15. Parades S, Finlayson R, Hakim S, Souza D, Knevic N, Feokitsov A, Adams A, **Kohan L**, Nader A, Lerman I, Narouze S. Systematic review and meta-analysis of efficacy performance time, and accidental vascular puncture with ultrasound-guided versus fluoroscopy and CT-guided cervical medial branch blocks. International Headache Society Annual Meeting Sept 2019, Dublin, Ireland.
 16. *Chen A, Khalouf F, Zora K, DePalma M, **Kohan L**, Guirguis M, Beall D, Loudermilk E, Pingree M, Badioloa I, Lyman J. A prospective multi-center, randomized, clinical trial comparing the effectiveness and safety of cooled radiofrequency ablation versus a single injection of hyaluronic acid in the management of knee pain. International Spine Society. Aug 2019; New York, NY.
 17. *Chen A, Khalouf, Zora K, DePalma M, **Kohan L**, Guirguis M, Beall D, Loudermilk E, Pingree M, Badiola I, Lyman J. Cooled Radiofrequency Ablation Provides 12-month durability analgesia in the management of osteoarthritic knee pain: results from a prospective, multi-centered, randomized, cross-over trial. Regional Anesthesia Pain Medicine Fall Meeting; Poster Presentation 2019; New Orleans, LA.
 18. *Durbhakula S, Cohen S, Moeschler S, **Kohan L**, Toy S, Bicket M. Neuromodulation Education Gaps: A Needs Assessment. Regional Anesthesia Pain Medicine Fall Meeting; Poster Presentation 2019; New Orleans, LA.
 19. *Hakim S, Finlayson R, Adams D, Parades S, Knevic N, Lerman I, Feokitsov A, **Kohan L**, Nader A, Connell P, Narouze S. Accidental vascular puncture and aberrant spread during cervical medical branch blocks. Regional Anesthesia Pain Medicine Fall Meeting; 2019; New Orleans, LA.
 20. *Orr A, Elmofty D, **Kohan L**. Practice patterns of academic/hospital-based and private practice hospitals safety initiatives for opioids. Survey results of practice patterns based on

- practice type, scope and location of practice. Regional Anesthesia Pain Medicine Fall Meeting 2019; New Orleans, LA.
21. *Pena I, **Kohan L**, Renwick C, Elmofly D. Naloxone prescribing patterns: a cross-sectional survey and safety initiative. Regional Anesthesia Pain Medicine Fall Meeting; Poster Presentation 2019; New Orleans, LA.
 22. *Renwick C, Pena I, **Kohan L**, Elmofly D. A cross-sectional survey study analyzing perceived barriers to prescribing naloxone based on practice type, scope, and location. Regional Anesthesia Pain Medicine Fall Meeting; Poster Presentation 2019; New Orleans, LA.
 23. *Singla P, **Kohan L**. Spinal cord stimulator placement in patient with von Willebrand disease: a case report. Regional Anesthesia Pain Medicine Fall Meeting; Poster Presentation 2019; New Orleans, LA.
 24. Aeschlimann B, Hillenbrand K, Stadelmaier A, **Kohan L**, Shilling A. Earlier Identification and Risk Stratification of patients with preoperative opioid use undergoing primary joint reconstruction: a pilot study. Regional Anesthesia Pain Medicine Fall Meeting; 2019; New Orleans, LA.
 25. ***Kohan L**, Okai J. Liver function test changes with inpatient ketamine infusion for chronic neuropathic pain. Abstract/ePoster. Presented at Regional Anesthesia Pain Medicine Fall Meeting. 2018; San Antonio, Texas.
 26. *Albright A, **Kohan L**, Goldstein R. Complex regional pain syndrome symptom improvement post cerebral aneurysm coiling: a case report. Abstract/ePoster presented at Regional Anesthesia Pain Medicine Fall Meeting; 2018; San Antonio, Texas.
 27. *Pena I, **Kohan L**. Intrathecal catheter removal in a patient with thrombocytopenia. Abstract/ePoster. Presented at Regional Anesthesia Pain Medicine Fall Meeting. 2018; San Antonio, Texas.
 28. *Pena I, Knoepfler M, Irwin A, Zhu X, **Kohan L**. Sphenopalatine ganglion blocks in the management of head cancer related pain: a case series. Abstract/ePoster. Presented at Regional Anesthesia Pain Medicine Fall Meeting; 2018; San Antonio, Texas.
 29. ***Kohan L**. Patient satisfaction in academic pain management centers: how do we compare? Abstract/ePoster Presented at Regional Anesthesia Pain Medicine Fall meeting; 2017; Orlando, Florida.
 30. *Zhu, A., Dichiara, J., **Kohan, L.**, Goldstein R. Inpatient Ketamine infusion for chronic neuropathic pain on regular floor with physical therapy is efficacious, safe, cost-effective. Abstract/Poster presented at Regional Anesthesia Pain Medicine Fall Meeting; 2016; San Diego, California.
 31. *Telhan R. **Kohan L**. Genicular Nerve Denervation: A quality improvement analysis. Abstract/Poster Presented at Reg Anes Pain Medicine Fall Meeting; 2014; San Francisco, Ca.

32. Varhabhatla N, **Kohan L.** “Can podcasts be useful in helping physicians manage patients with chronic pain?” University of Virginia Graduate Medical Education Symposium, Charlottesville, VA. October 2012. Poster Presentation.
33. *Farrington M, Gerling G, **Kohan L,** et al. A multisensory illusion with haptic interaction to treat phantom limb pain. Haptics Symposium, Vancouver, Canada 2012. 6pp.
34. ***Kohan L.,** Leach D. Two cases of spinal meningitis following intrathecal drug delivery system access or refill. Abstract/Poster presented at Reg Anes Pain Medicine Fall Meeting; 2011; New Orleans, LA
35. *Farrington M., Gerling G. Schmidt P., Johnson S., **Kohan L.** A mixed reality environment for treating phantom limb pain. Abstract/Poster presented at Reg Anes Pain Med Fall Meeting; 2011; New Orleans, LA.
36. *Hamill R, **Kohan L,** Goldstein R., Johnson S, Vorenkamp K, Larriviere L. Use inconsistency score to identify aberrant drug taking behavior. Abstract presented at 30th Annual Scientific Meeting of the American Pain Society; 2011; Austin, Texas.

* Abstract Presented

XVI. INVITED LECTURES AND SYMPOSIUMS

Anagonists and Antagonists: Perioperative Considerations / Invited Lecture	ASRA Pain Medicine, San Diego, California	3/2024
Cryoanalgesia for Knee OA / Invited Lecture	AAPM, Scottsdale, Arizona	3/2024
Interpreting Urine Pain Panels / Invited Lecture	Cleveland Clinic Symposium, San Antonio Texas	3/2024
Intrathecal Drug Delivery for Spasticity / Invited Lecture	AAPM, Scottsdale, Arizona	3/2024
Looking into the Future / Moderator	ASRA Pain Medicine, San Diego, California	3/2024
Matching the Diagnosis and the Technique/Device for the Best Patient Outcome – A Case Discussion with the Experts	Cleveland clinic Pain Symposium, San Antonio, Texas	3/2024
Neuromodulation: Effective Utilization of Targets, Techniques, and Devices: PNS / Invited Lecture	Cleveland Clinic Symposium, San Antonio Texas	3/2024
Perioperative Management of SUD / PBLD	ASRA Pain Medicine	3/2024

Substance Use Disorders in Chronic Pain Management / Invited Lecture	Cleveland Clinic Pain Symposium, San Antonio, Texas	3/2024
Upper Cervical Pain Blocks / Workshop	Cleveland Clinic Pain Symposium, San Antonio, Texas	3/2024
Intraoperative Management of Specific SUDs / Symposium	ASRA Pain Medicine	12/2023
Best Practices: Infection Control and Radiation Safety / Invited Lecture	ASRA Pain Medicine	11/2023
Best Strategies to help the Struggling Learner / Interactive Session	SAAAPM	11/2023
Cervical and lumbar RFA techniques / Invited Lecture	ASRA Pain Medicine	11/2023
Review of Pathophysiology: Nociceptive and Neuropathic Pain and Pain Pathways	ASRA Pain Medicine	11/2023
Spinal Cord Simulation: Do we need to Trial. Pro/Con Debate	ASRA Pain Medicine	11/2023
Update on Chronic Pain Fellowships / Invited Lecture	SAAAPM	11/2023
-Bedside Pain Procedures: Migraine and Cephalalgia management with Ultrasound guided craniofacial blocks--lead / Workshop	ASA	10/2023
CDC Clinical Practice Guidelines for Opioid Prescribing: Impact of Clinicians and Patients / Invited Lecture	ASA	10/2023
Perioperative Management of Medications for OUD / Invited Lecture	ASA	10/2023
Perioperative pathways for patients suffering from amphetamine, ecstasy, stimulant and cocaine abuse / Invited Lecture	ASA	10/2023
Understanding the neurobiology of Implicit Bias / Invited Lecture	ASA	10/2023
Post operative management of Patient on Long Term Opioid Therapy / Invited Lecture	World Congress, ESRA, Paris France	9/2023
-Advancing Novel Therapies for the Treatment of chronic OA Pain Syndromes.	AAPM	3/2023

Genicular Nerve Blocks: Is there Therapeutic Value / Invited Lecture

APPD Educational Opportunities / Invited Lecture	AAPM	3/2023
Moderator: Blitz Talks on what Pain PDs need to Know / Moderator	AAPM	3/2023
Pain Medicine Journal: Best in 2022. Milestones 2.0 / Invited Lecture	AAPM	3/2023
Persistent Perioperative Pain Symposium Buprenorphine and Addiction ASRA Pain Medicine / Invited Lecture	ASRA Pain Medicine Symposium	3/2023
Perioperative Management of Patient on LTOT / Grand Rounds	, University of Virginia Medical CenterUVA Department of Surgery	2/2023
-How Should Peer Reviewed, Large Scale Research Guide Real World Clinical Care? / Invited Lecture	NANS	1/2023
Robertazzi Panel. Leadership in Acute and Chronic Pain / Invited Lecture	NYPGA	12/2022
Women In Anesthesiology. Medical Student Subspecialty Panel / Platform	Women in Anesthesiology Webinar Panel	12/2022
- Outpatient Pain Management with Opioid, Alcohol, and Other Substance Use Disorders/An Overview of Diagnosis and Treatment of Alcohol and Opioid Use Disorders	ASRA Pain Medicine	11/2022
-Workshop lead Advanced Cervical Procedures / Workshop	ASRA Pain Medicine	11/2022
Breakout Session. Selections Factors in Fellow Applicants / Invited Lecture	SAAAPM	11/2022
Building your Reputation in Education / Invited Lecture	SAAAPM	11/2022
Fluoroanatomy and Hands on Fluoroscopy-Workshop Lead / Workshop	ASRA Pain Medicine	11/2022
Pain Medicine Breakout Session / Platform	SAAAPM	11/2022
Pain Medicine Breakout Session / Invited Lecture	SAAAPM	11/2022

workshop lead- - Basic Cervical Procedures: Epidural and Facet Joint Steroid Injections, Medial Branch Blocks, Radiofrequency Ablation / Workshop	ASRA Pain Medicine	11/2022
- Focused Ultrasound and Musculoskeletal Applications (Back Pain). / Invited Lecture	Focused Ultrasound Sympoisum	10/2022
ASRA WRAPM SIG Panel. Career mentoring: Tips for building your pathway to Success. Senior Panelist. / Invited Lecture	ASRA Pain Medicine Webinar	10/2022
Complications in Interventional Pain Management / Invited Lecture	ASA	10/2022
Give our first thoughts a second look: Raising awareness of implicit bias in Pain Management / Invited Lecture	ASA-virtual Content	10/2022
Ketamine for Pain in the Hospital and At Home / Moderator	ASA	10/2022
Methamphetamine, Cocaine, Cannabis, Opioids and More: Substance Abuse and Perioperative Care / Invited Lecture	ASA	10/2022
Workshop Lead- Bedside Pain Procedures: Migraine andCephalalgia Management with Ultrasound-Guided Craniofacial Blocks / Workshop	ASA	10/2022
Cervicogenic Pain / Grand Rounds	Department of Neurology, University of Virginia Medical Center	9/2022
Meeting the Moment. University of Virginia Alumni Series: UVA Department of Anesthesiology and Office of Pain Management and Opioid Stewardship. How the Opioid Crisis has Changed the Way We Study, Evaluate, and Treat Patients / Invited Lecture	UVA Alumni Series Webinar	9/2022
Buprenorphine Management in the Perioperative Period: Recommendations from a Multi-society Expert Panel	NAPPA Pain conference	8/2022
Cervicogenic Pain / Invited Lecture	NAPPA Pain conference	8/2022
Cervical Facet Medial Brand Blocks and RFA / Workshop	Cleveland Clinic Pain Management Symposium Workshop	3/2022

DRG Stimulation / Invited Lecture	Cleveland Clinic Pain Management Symposium.	3/2022
DRG today and Tomorrow / Invited Lecture	American Academy of Pain Medicine.	3/2022
Intrathecal Pumps: Baclofen / Invited Lecture	American Academy of Pain medicine.	3/2022
Milestone 2.0 Pain Fellowship Education / Invited Lecture	American Academy of Pain Medicine.	3/2022
PBLD: Buprenorphine in the perioperative period / Symposium	Cleveland Clinic Pain Management Symposium	3/2022
Safely Tapering Opioids: Is there a Recipe of Best Practice / Invited Lecture	Cleveland Clinic Pain Management Symposium	3/2022
Upper Cervical Pain Blocks (Atlanto-Axial, Third Occipital RFA) / Workshop	Cleveland Clinic Pain Management Symposium Workshop	3/2022
Buprenorphine in the Perioperative Period / Grand Rounds	Duke University	2/2022
American Society of Regional Anesthesia and Pain Medicine. Multidisciplinary Headache Treatment: Working Collaboratively. / Invited Lecture	ASRA Pain Medicine	11/2021
American Society of Regional Anesthesia and Pain Medicine. PBLD: Telemedicine in the Pain Clinic / PBLD	ASRA Pain Medicine	11/2021
American Society of Regional Anesthesia and Pain Medicine. Workshop Faculty: Simulation in Pain Medicine (Cancelled Covid related) / Workshop	ASRA Pain Medicine	11/2021
American Society of Regional Anesthesia and Pain Medicine. Workshop Lead: Botox in the Treatment of Migraine and Spasticity (cancelled covid) / Invited Lecture	ASRA Pain Medicine	11/2021
Society of Associations of Academic Associations of Anesthesiology and Perioperative Medicine. Moderator. Fellow Education During Pandemic: The Silver Lining / Invited Lecture	SAAAPM	11/2021

American Society of Anesthesiology. Infection prevention in Interventional Pain Procedures / Invited Lecture	ASA	10/2021
American Society of Anesthesiology. Moderator. Head and Neck U/S Workshop.	ASA	10/2021
American Society of Anesthesiology. Multi-society Guidance on Perioperative Buprenorphine. / Invited Lecture	ASA	10/2021
American Society of Anesthesiology. Perioperative Management for Intrathecal Pumps. / Invited Lecture	ASA	10/2021
American Society of Anesthesiology. Physiology of Bias. / Invited Lecture	ASA	10/2021
44 th Annual Midwest Pain Society Meeting. Physiology of Bias.	Mid-West PAin Society	9/2021
John Hopkins Pain Curriculum. Small Group Moderator. / Symposium	John Hopkins	9/2021, 6/2020
Cooled Radiofrequency Ablation in the Treatment of Knee Osteoarthritis-18-24 month Data. Spine Intervention Society. / Paper	Washington, DC.	8/2021
DRG Imaging Before, During and After Procedure. Spine Intervention Society. / Invited Lecture	Washington, DC.	8/2021
American Society of Regional Anesthesia and Pain Medicine. In the Intersection Between Acute and Chronic Pain/Epidemiology of Chronic Pain after Surgery and Socioeconomic Impact	ASRA Pain Medicine	5/2021
American Society of Regional Anesthesia and Pain Medicine. Moderator. Poster Session. / Psoter Moderator	ASRA Pain Medicine	5/2021
American Society of Regional Anesthesia and Pain Medicine. Moderator. Poster Session. / Poster Moderator	ASRA Pain Medicine	5/2021
American Society of Regional Anesthesia and Pain Medicine. Opioid Use Disorder and the Anesthesiologists: The Multi-society Buprenorphine Guidelines Project. / Invited Lecture	ASRA Pain Medicine	5/2021

American Academy Pain Medicine. Maintaining High Quality Pain Fellowship Education and Faculty Education/Mentorship in the Time of Social Distancing.	AAPM	4/2021
American Academy Pain Medicine. Multi- modal Strategies for Preventing Chronic Pain After Surgery / Invited Lecture	AAPM	4/2021
American Academy Pain Medicine. Understanding and Treating Shoulder, Knee, and Hip Pain: Past Present, and Future. / Invited Lecture	Zoom-Covid	4/2021
The Association of Virginia Surgeons. Management of Buprenorphine for Opioid Use Disorder in the Perioperative Period. / Invited Lecture	Zoom-covid	4/2021
American Society of Anesthesiology. Lecture. Ketamine in and out of the hospital from the familiar to the future. Ketamine for CRPS. / Invited Lecture	Cancelled	11/2020
American Society of Regional Anesthesia and Pain Medicine Challenges in caring for patients with chronic pain: expression, impression, compassion Patients and physicians, implicit and explicit bias, discriminating and being discriminated: impression, reality or double. / Invited Lecture	Cancelled	11/2020
American Society of Regional Anesthesia and Pain Medicine Interactive sessions. Improving our day to day operations and practice: quality improvement that work Little investment with big impact: computer-based coding, scribes, and beyond.	Cancelled	11/2020
American Society of Regional Anesthesia and Pain Medicine Workshops: Simulation scenarios: crisis management, complication management, immersive touch simulation – Moderator.	Cancelled	11/2020
American Society of Regional Anesthesia and Pain Medicine. <i>The updated opioid use reality</i> No to guns, yes to roses: simulation	ASRA Pain Medicine	11/2020

scenarios, security measures to prepare for life threatening situations in pain clinics.

American Society of Regional Anesthesia and Pain Medicine. Moderator. <i>In each other's shoes: a multidisciplinary perspective on a common pain topic, major joint pain</i>	ASRA Pain Medicine	11/2020
Pain Medicine in the Time of Pandemic. Arrested Development: Novel Teaching Tools to Supplement Trainee's Education / Invited Lecture	ASRA Pain Medicine	11/2020
Society of Academic Associations of Anesthesiology and Perioperative Medicine. Amplifying the "PD Paradox": The Likable Mal-performing Fellow. / Invited Lecture	SAAAPM	11/2020
Lecture. Pharmacologic Agents in the Treatment of Headaches and Migraine.	American Society of Regional Anesthesia and Pain Medicine/European Society of Regional Anesthesia International E-Congress. 9/19/2020	9/2020
The Role of Medical Devices in Opioid-Free Pain Management. Case Management Society of America. Expected June 29, 2020 / Invited Lecture	(Pre-recorded secondary to COVID-19).	6/2020
Advanced Ultrasound-Guided Acute and Chronic Pain Medicine Interventions. American Academy Pain Medicine. / Workshop	National Harbor, MD.	2/2020
American Society of Anesthesiology. Workshop. Bedside Procedures: Migraines and Cephalgia Management with Ultrasound-guided Craniofacial Blocks. Moderator. / Workshop	(Cancelled COVID -19).	2020
American Society of Regional Anesthesia and Pain Medicine: Ask The Experts Interactive Session: Matching into Pain Fellowships. Choosing the Right Program and Matching Strategies. / Invited Lecture	Cancelled 2020	2020
American Society of Regional Anesthesia and Pain Medicine <i>Headaches and migraines: current and emerging treatment</i>	(Cancelled Covid-19).	2020

modalities. Deep dive. Pharmacological treatments in headache and migraine.

Anesthesiology Resident Symposium Applying to Fellowships: Tips for Success / Symposium	UVA	2020
American Society of Regional Anesthesia and Pain Medicine Blitz- Medlock: pill dispensing for opioid safety - How much steroid is safe for interventional pain procedures - Implicit bias in pain medicine - IV methadone vs intrathecal morphine following open gynecological surgery - Naloxone and opioid safety initiative among pain physicians / Platform	ASRA Pain Medicine	11/2019
Ask the Experts: Cervicogenic Headache. American Society of Regional Anesthesia and Pain Medicine. / Invited Lecture	ASRA Pain Medicine	11/2019
Ask the Experts: Intrathecal Drug Delivery for Spasticity. American Society of Regional Anesthesia and Pain Medicine. / Invited Lecture	ASRA Pain Medicine	11/2019
Fluoroscopy Workshop: Facial blocks. American Society of Regional Anesthesia and Pain Medicine. / Workshop	ASRA Pain Medicine	11/2019
IV Lidocaine Infusions, Is there a Role for this Modality in Acute and Chronic Pain. American Society of Regional Anesthesia and Pain Medicine. / Invited Lecture	ASRA Pain Medicine	11/2019
Moderator. Keeping Track of Alumni. Society of Academic Associations of Anesthesiology and Perioperative Medicine. / Moderator	SAAAPM	11/2019
PBLD: Malfunctioning Intrathecal Baclofen Pump. American Society of Regional Anesthesia and Pain Medicine. / PBLD	ASRA Pain Medicine	11/2019
46 th Annual Edward W Hook Recent Advances in Clinical Medicine. Update on Analgesics.	Charlottesville, VA.	10/2019
Cancer Pain and Preoperative Evaluation: Is your Patient Stable to Undergo Surgery?	Orlando, Fl.	10/2019

American Society of Anesthesiology. / Invited Lecture		
IV Lidocaine Infusions, Is there a Role for this Modality in Acute and Chronic Pain. American Society of Anesthesiology. / Invited Lecture	Orlando, Fl.	10/2019
See what I feel, not who I am: educating healthcare professionals on unconscious and implicit discrimination in pain medicine. American Society of Anesthesia. / Invited Lecture	Orlando, Fl.	10/2019
Virginia Pain Society. Moderator. Medical and Legal Opioid Update. / Invited Lecture	Charlottesville, VA.	3/2019
Anesthesiology Resident Symposium Applying to Fellowships: Tips for Success / Symposium	UVA	2019
Tackling the Opioid Crisis: Implementation Strategies to Take Home—Harm-Reduction Initiatives. Refresher Course. American Society of Anesthesiology. / Invited Lecture	San Francisco, CA.	10/2018
Virginia Pain Society. Radiofrequency Techniques of the Knee and Hip. / Invited Lecture	Charlottesville, VA.	2/2018
International Classification of Headaches and Medical Management. American Society of Anesthesiology. / Invited Lecture	Boston, MA	10/2017
Georgetown University Grand Rounds. Phantom Limb Pain. 8/2011	Washington, DC.	8/2011
Eastern Pain Society. Phantom Limb Pain: Current Thoughts and Future Concepts. / Invited Lecture	NY. NY.	12/2010