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I. Education and Training

8/1996-5/2000	University of Michigan Bachelor of Science Major: Biochemistry
8/2001-6/2005	University of Toledo College of Medicine Medical Doctorate
7/2005-6/2006	Henry Ford Hospital Transitional Year Internship
7/2006-6/2010	Henry Ford Hospital Residency in Diagnostic Radiology
7/2010-6/2012	Johns Hopkins University Department of Neuroradiology 2-year Diagnostic Neuroradiology Fellow

II. Professional Appointments and Certifications

8/2012-1/2022

University of Washington

Assistant Professor (2012-2017)

Associate Professor (2017-2021)

Full Professor (2021-2022)

Diagnostic Radiology

Division of Neuroradiology

UW Leadership Roles (Section X for further details)

8/2016-2/2019

Director, Cross-Sectional Neurovascular Imaging

1/2016-8/2021

co-Director, Contrast Medium Policy

8/2013-1/2022

Assc. member, Harborview Injury Prevention Research Center

7/2017-1/2021

Director, MRI safety, University of Washington

8/2017-12/2020

UW MRI Protocol Committee

3/2018-10/2018

Associate Chief of Service, Harborview Medical Center

7/2018-1/2022

Radiology Resident Research Group Director

10/2018-1/2020

Acting Chief of Radiology, Harborview Medical Center

10/2018-1/2022

Director of Neuroradiological MRI

10/2018-1/2022

UW Clinical Transformation Committee Core Member

8/2018-1/2022

MR-eXchange Committee Director

1/2019

Acting Interim Chair of Radiology, Univ. of Washington

5/2019-1/2022

Chief of Radiology, University of Washington Med Center

5/2019-1/2022

Vice Chair of Clinical Operations

4/2020-1/2022

Medical Director of MRI

12/2020-11/2021

Director of Quality and Safety

2/2022-2/2023

University of North Carolina

Full Professor (2022-2023)

Diagnostic Radiology

Division of Neuroradiology

UNC Leadership Roles (Section X for further details)

2/2022-2/2023

Vice Chair of Quality and Safety

2/2022-2/2023

Medical Director of MRI

7/2022-2/2023

Surgical Process Improvement Strike Initiative Radiology

Imaging Access Goal Team Leader

8/2022-2/2023

Redefining Patient-Centered Care for North Carolinians

Initiative- Data and Technology Efficiency Team Leader

4/2023-current

University of Washington

Full Professor (2023-current)

Diagnostic Radiology

Division of Neuroradiology

Ellsworth C. and Nancy D. Alvord Endowed Chair in
Neuro-oncology

UW Leadership Roles (Section X for further details)

4/2023-present Vice Chair of Clinical Research and Clinical
Transformation
4/2023-present Co-Director of Vascular Imaging Research Lab

Board Certification

ABR Board Certified-6/2010
Authorized User-6/2010
Certificate of Additional Qualification (CAQ), Neuroradiology-11/2014

Additional Training

UW Grant Writing Course 3/2013
RSNA Clinical Trials Methodology Workshop 1/2015
AUR Faculty Development Program 4/2016

Medical Licenses

Washington 60281860 Exp. 8/25/2025
Michigan 4301086401 Exp. 1/31/2026
North Carolina 2022-00219 Exp. 8/25/2024

III. Awards

1998-2000 Dean's list
2000 Graduation with Distinction
2010 RSNA **Certificate of Merit**
2011 Yousem Award Recipient
2012 Johns Hopkins Outstanding Neuroradiology Fellow Teacher of the Year
2012 Johns Hopkins Outstanding Radiology Fellow Teacher of the Year
2013 UW Neuroradiology Teacher of the Year Award
2013 RSNA **Magna Cum Laude** Award
2014 Scott J. Schulte Faculty Teacher of the Year Award, UW Radiology
2014 RSNA **Certificate of Merit**
2015 AUR GE Radiology Research Academic Foundation Award
2015 UW Neuroradiology Teacher of the Year Award
2015 RSNA **Cum Laude** Award
2016 RSNA **Certificate of Merit**
2017 ASSR **Best Oral Paper**
2017 Fred Mann Harborview Research Award- \$3000 (primary mentor)
2017 **Best research presentation**, HIPRC INSIGHT Research Symposium

2017 **Stroke** cover article, November

2019 ACR-AUR Research Scholar Program Awardee (mentor)

2019 ASNR International Outreach Program- Selected for Egypt

2020 **Best Clinical Abstract**-Radiosurgery Society Annual Meeting

2020 ACR-AUR Research Scholar Program Awardee (mentor)

2020 **Auntminnie** Research Paper of the Year First Runner-Up

2020 **British Institute of Radiology** BJR/Jusha Early Career Investigator Award (mentor)

2018-2022 **Seattle Top Doctors**- Caste Connolly

2021 RSNA **Honored Educator** Award

2021 Ron and Christine Lee Raccoon Fellowship Award (mentorX2)

2021 Radiology- **Editor's Recognition Award, Reviewing with Distinction**

2020-2022 **Seattle Top Doctors**- Seattle Magazine

2022 Radiology- **Editor's Recognition Award, Reviewing with Distinction**

2023-2025 ASNR Nominating Committee

2023 **Auntminnie** Most Influential Radiology Researcher Semifinalist

2023- Ellsworth C. and Nancy D. Alvord Endowed Chair in Neuro-oncology

2023 Academy for Radiology & Biomedical Imaging Research **Distinguished Investigator Award**

2023 **MICCAI** TopCOW segmentation challenge 3rd place finish (out of 14)

IV. Research Funding

Ongoing

Philips C-UWA-0172 PI (Mossa-Basha) 1 year, \$250,000
Operational Efficiency and Quality Improvement at UW using ROCC and Performance Bridge
Evaluate the improvement in operational efficiency and scan quality with implementation of an interactive training and communication console to optimize technologist scanning in MRI.

RSNA Emerging Issues EILTC2304 mPI (Mossa-Basha, Rane) 1 year, \$100,000
Imaging and Plasma Markers, and Cognitive Profile of Post-Acute Sequela of COVID-19, and Association With Vascular Dementia
To evaluate relationships of markers associated with vascular dementia, and their expression in post-acute sequela of COVID.
Role: Contact PI, Effort: 1%

NIH 1R43 HL156327-01A1 PI (Balu) 1 years, \$500,000
A Rapid Carotid Atherosclerotic Disease Assessment System with 3D MRI
The proposal will develop streamlined, automated carotid plaque segmentation and characterization AI tools that will be implemented into the clinical environment.
Role: Co-I, Effort: 5%

NIH R01NS125635 mPI (Mossa-Basha, Yuan, Tirschwell, Akoum) 5 yrs \$4,560,643
Quantitative model-based ESUS reclassification using cardiac and cerebral vessel wall MRI

To develop machine learning tools incorporating novel cardiac and vessel wall imaging techniques to better predict etiology of embolic stroke of unidentified source.

Role: Contact PI, Effort: 5%

NIH R01NS127317-01 mPI (Yuan, Mossa-Basha) 5 years, \$3,597,225

MOCHA Development for AI recognition of vessel walls

The proposal will develop an AI-enabled vessel wall imaging analysis pipeline (MOCHA) to enable time-efficient, reproducible detection and quantitation of intracranial atherosclerosis that is generalized across vendor platforms.

Role: mPI, Effort: 8%

NIH R01HL162743-01 PI (Zhu) 5 year, \$2,412,638

Investigation of the quantitative intracranial aneurysm wall enhancement and geometric features associated with aneurysm volume growth

The goal of this project is to develop optimized vessel wall MRI protocols for aneurysm assessment. We will develop automated aneurysm segmentation and quantitation vessel wall algorithms. The project will also determine advanced imaging aneurysm characteristics and radiomics characteristics associated with volumetric aneurysm growth

Role: Co-investigator, Effort: 3%

Bayer Research mPI (Mossa-Basha, Rane) 1 year, \$309,412

Chronic Post-COVID-19 Infection Neuroimaging and Cerebrovascular Imaging

Findings: Correlation with Patient Outcomes

The goal of the study is to compare intracranial vessel wall MRI, advanced MRI and glymphatic imaging between persistently symptomatic and asymptomatic post-COVID patients, and normal control subjects, to determine imaging and physiologic correlates to poor outcomes for recovered COVID-19 patients.

Role: Contact PI, Effort: 1%

Philips Healthcare B164 Mossa-Basha (PI) 1 year, \$12,000

Clinical Evaluation of Advanced MRI Acceleration and Reconstruction

The goal of this study is to compare qualitative and quantitative metrics of image quality between standard accelerated MRI sequences of brain and knees as compared to AI reconstructed MRI datasets.

Philips Healthcare B150 Gunn (PI) 3 years, \$240,000

Impact of Radiology on Longitudinal Care

Exhibit from Philips to utilize Performance Bridge and natural language processing tools to evaluate critical results communication and the communication feedback loop, as well as investigate additional areas of improved quality of care that can be achieved.

Role: Co-investigator

Bracco Healthcare Mossa-Basha (PI) 3 yrs, \$225,000

Bracco Research USA Grant

4/2021-4/2024

Optimized Approach to Vessel Wall MRI of Cerebral Aneurysms

The goal of this project is to define the optimal intracranial vessel wall MRI protocol for the evaluation of aneurysms in terms of pre-pulse suppression techniques, resolution, and post-contrast imaging timing, based on comparison of multiple techniques and approaches.

NIH/NIA R01RF1AG05632601A1 MacDonald (PI) 5 years, \$3,000,000
Reclaiming and Revitalizing ACT Neuroimaging Records 4/15/2018 – 8/30/2023

The goal of this project is to leverage extensive existing clinical imaging data from a well-characterized cohort of older adults to improve scientific understanding of potential mechanisms by which anticholinergic medications (Aim 1) and glucose metabolism (Aim 2) lead to dementia risk, and to provide a valuable resource that characterizes longitudinal changes in brain structure over time for this cohort of older adults (Aim 3).

Role: Co-Investigator

Effort: 20%

NIH/NIA R01 AG060942 01A1 Lee, Krane (mPI) \$3,000,000

Aging eyes and aging brains in studying Alzheimer's disease: modern ophthalmic data collection in the ACT study 09/2019-08/2024

We plan to determine associations between ophthalmic disease severity, ophthalmic and angiographic imaging and cognitive decline and Alzheimer's dementia.

Role: Co-Inv, Effort: 2.5%

Completed

2012 Yousem Award Mossa-Basha (PI) \$7,500
Diffusion/Perfusion Imaging in Canine Model of Hyperacute Spinal Cord Infarct

University of Washington Pilot Funding Mossa-Basha (PI) \$2,500
Neuroradiology Section Fund Support 4/15/2016-7/1/2016

Pilot funding to support collection of preliminary data evaluating vessel wall imaging characteristics and detection of blunt cerebrovascular injury (BCVI). Determine the presence of abnormality associated with Biffl type I injuries detected on CTA and compare to patient outcomes. Determine vessel wall MRI characteristics of Biffl type 2-4 injuries that may indicate increased likelihood of ischemic stroke and poor outcomes.

UW-Philips Pilot Grant Mossa-Basha (PI) 1 year, \$39,843
University of Washington 12/18/2015-12/17/2016

Vessel Wall Imaging for the Evaluation of Vulnerable Characteristics of Unruptured Intracranial Aneurysm

The project evaluate the ability of multi-contrast MR vessel wall imaging to predict vulnerable aneurysm characteristics based on correlation with established patient and aneurysm luminal risk factors. With the validation of vessel wall imaging for aneurysm assessment, this technique could potentially supplant techniques that are invasive (DSA) or expose the patient to radiation (CTA).

NIH 1R56NS092207-01 Yuan/Mossa-Basha (multiple PI) 1 year, \$609,000

NIH/NINDS 6/15/2015-5/31/2016

3D WALLI: MR intracranial vessel wall imaging for stroke prevention

The project looks to develop and optimize multi-contrast intracranial vessel wall MR protocols for evaluation of intracranial atherosclerosis. We will evaluate the MR characteristics of atherosclerosis that increase the likelihood of current and future stroke events, the evolution of plaque characteristics with medical therapy, and plaque changes relative to stroke risk.

B79 Philips Healthcare Yuan (PI) 1 year, \$53,077
A104955 BN 80-1069 7/1/2015-6/30/2016

Development and Verification of a 3D Plaque MRI Sequence for Intracranial Vessel Wall Measurement Fellowship

The goal of this project is to create, develop, and determine the feasibility and robustness of new techniques for the assessment of atherosclerotic lesions in different body parts using magnetic resonance imaging in both a pre-clinical and clinical environment.

Role: Mentor, Co-investigator

GERRAF fellowship Mossa-Basha (PI) 2 years, \$140,000
Association of University Radiologists 7/1/2015-6/30/2017

Diffusion Tensor Imaging as a Prognostic Tool for Acute Traumatic Cervical SCI

The project will investigate the accuracy of diffusion tensor imaging of the cervical spinal cord to determine non-responders to acute traumatic cervical spinal cord injury, in the hopes that better therapies can be discovered in the future.

2016 Research Resident/Fellow Grant Baocheng Chu (PI) \$49,495
RSNA Research and Education Foundation 7/1/2016-6/30/2017

A High-Resolution 3D Isotropic MR Sequence for Combined MRA and Vessel Wall Assessment of Intracranial Vascular Diseases

The goal of this project is to show a new MR imaging technique, CAVIAR, can provide intracranial angiographic measurements better than current clinically used imaging methods.

Role: Mentor

2016 ASNR trainee grant Huynh (PI) 1 year, \$20,000
Foundation of the ASNR 10/2016-12/31/2017

This study correlates the vessel wall MRI and computational fluid dynamic simulation characteristics with histological findings of intracranial aneurysms that are unruptured.

Role: Mentor

2015 R21AR068009 Flum (PI) 2 year, \$301,776
NIH/NIAMS 7/1/2015-4/10/2018

This study leverages ongoing medical record-based clinical data collection and survey-based PRO data collection being performed at Washington (WA) State hospitals participating in the Spine Surgical Care and Outcomes Assessment Program (Spine SCOAP) to identify and address modifiable factors may improve spine fusion surgery outcomes This study will (1) determine patient characteristics associated with non-

response; and (2) determine radiographic features at baseline that are associated with non-response. The findings of this study will be used to create predictive models that can be efficiently tested across Washington State hospitals and interventions to address modifiable risk factors.

Role: Co-Investigator

Effort: 2.5%

2017 StrokeNet Research Fellowship Watase (PI) \$40,000

UW/HMC Regional Coordinating Center NIH StrokeNet 7/1/2017-7/1/2018

Assessment of high-risk carotid and intracranial plaque with MRI

Role: Co-investigator

Effort: 0%

B131 Philips Healthcare Mossa-Basha (PI) 12/1/2017-11/30/2019

This exhibit focuses on establishing the value of compressed sensing imaging acceleration in the clinical MRI environment. The project aims to compare compressed sensing accelerated MRI acquisitions to corresponding standard MRI acquisitions in terms of image quality, scan time, and patient throughput.

Effort: 0%

Siemens Healthcare Mossa-Basha (PI) 4/1/2018-12/31/2019

This exhibit focuses on utilization of 4D flow MRA techniques in clinical applications, specifically to validate its performance and accuracy relative to ultrasound and MRA computational fluid dynamic simulations.

Effort: 0%

Siemens Healthcare Mossa-Basha (PI) 4/1/2018-12/31/2019

This exhibit focuses on utilization of compressed sensing accelerated vessel wall MRI in clinical applications, specifically to validate its performance and accuracy relative to conventional acquisitions.

Effort: 0%

RSNA Research & Education Foundation Phuong (PI) \$6,000

RSNA Medical Student Grant RMS 1938 6/2019-12/2019

Radiomic Analysis of Diffusion Tensor Imaging to Predict Unfavorable Seizure Outcome One Year After Laser Thermal Ablation for Mesial Temporal Lobe Epilepsy

Role: Mentor

UW-Philips Pilot Project Mossa-Basha (PI) 1 year, \$46,453

University of Washington 3/30/2018-12/30/2020

Advancement of quantitative DCE-MRI of the spine using independent component analysis

The project focuses on improvement of image quality of spine dynamic contrast enhanced perfusion technique using independent component analysis, with development of automatic lesion detection and segmentation using a machine-learning algorithm.

Effort: 1%

Regents of University of California Mossa-Basha (Site PI) \$73,500
Reducing Intracranial atherosclerosis with Repatha (RISER)- Terminated Early
Multi-center investigator initiated trial evaluating the impact of Repatha on intracranial
atherosclerotic burden using vessel wall MRI.
Study PI: David Liebeskind

NIH R01NS092207 01A1 Yuan/Mossa-Basha (mPI) 4 years, \$3,000,000
NIH/NINDS 6/1/2016-5/31/2021
3D WALL: MR intracranial vessel wall imaging for stroke prevention
The project looks to develop and optimize multi-contrast intracranial vessel wall MR
protocols for evaluation of intracranial atherosclerosis. We will evaluate the MR
characteristics of atherosclerosis that increase the likelihood of current and future stroke
events, the evolution of plaque characteristics with medical therapy, and plaque changes
relative to stroke risk.
Role: PI, Effort: 20%

NIH R01NS09220704S1 Yuan/Mossa-Basha (mPI) \$865,000
3D Vascular Mapping MRI To Unravel the Effects of Large and Small Artery Disease in
Vascular Cognitive Impairment and Dementia 10/2019-10/2022
Development of a comprehensive, automated intracranial vessel wall MRI post-
processing and analysis tool
Role: mPI, Effort: 5%

IIS-US-0106 Maki (PI-10/2015-7/2017), Mossa-Basha (PI-7/2017-1/2022) \$406,910
Bracco Research USA Grant 10/2015-9/2024
Increasing Spatial Resolution of Contrast-Enhanced MR Angiography: Utilizing
Optimized Injection Profiles
The goal of this project is to 1) Compare in vivo signal intensities of the 2 new methods
to the patient-tailored and the clinical standard (1.6 cc/s) injection. 2) Model effects of
improved bolus profiles on CE-MRA in various anatomies. 3) Compare CE-MRA of
thoracic and abdominal arteries using the improved injection profiles. 4) Compare CE-
MRA of carotid arteries using the improved injection profiles
Effort: 0%

Department of Defense Hofstetter (PI) \$1,493,613
Spinal Cord Inj Research Prgm Translational Research Award 08/01/2018-07/31/2021
Ultrasound-based biomarker to identify tissue at risk for secondary injury after traumatic
spinal cord injury
We plan to validate contrast-enhanced ultrasound as a biomarker for traumatic spinal
cord injury. We will collect data both in our in vivo rodent model and in a limited pilot
clinical trial utilizing an existing FDA approved contrast agent and ultrasound system.
Results will provide a first-order design of an optimal perfusion algorithm for guidance
of both surgical and critical care interventions to protect potentially viable spinal cord
tissue after injury.
Role: Co-investigator

Effort: 1%

V. Activities

Journal Reviewer Responsibilities

Editorial Board and Editorial Responsibilities

2013 AJNR Digest Editor, Carotid Imaging
2013-2014 Editorial Board- International Journal of Diagnostic Imaging
2015-2019 Editorial Board- Neurovascular Imaging
2017-2020 Associate Editor, British Journal of Radiology
2020-2023 Senior Editor, British Journal of Radiology
2022 Guest Co-Editor, Radiology Clinics of North America
2022- Editorial Board, Frontiers in Physiology
2023 Guest Co-Editor, Neuroimaging Clinics of North America
2022-2023 Editorial Board, AJNR
2023- Associate Editor-Neurovascular, AJNR

Ad Hoc Reviewer

2012-2015 Diagnostic and Interventional Radiology
2012- Neuroradiology
2013- American Journal of Neuroradiology
2014 BioMed Research International
2015- Journal of Magnetic Resonance Imaging
2015- Stroke
2017- PLoS One
2017- Journal of Cerebral Bloodflow and Metabolism
2017- Scientific Reports
2018- Journal of Neurointerventional Surgery
2018- IEEE Journal of Biomedical and Health Informatics
2018- Radiology
2018- Neurology
2018- Journal of Neurology, Neurosurgery and Psychiatry
2019- Journal of Neuroradiology
2019- Neurosurgery
2019- European Radiology
2020- Brain and Behavior
2021- JAMA Neurology
2021- Journal of Cardiovascular MRI
2022- Frontiers of Neurology

Grant Reviewer

2012 Johns Hopkins Perovich Grant
2015-22UW Royalty Research Foundation
2016- ASNR Trainee Grant Reviewer
2018- ASNR Research Scholar grant reviewer

- 2018 German Research Foundation (DFG) Ad Hoc Reviewer
- 2018 Agence Nationale de la Recherche (ANR) Ad Hoc Reviewer
- 2018 NIH NHLBI- RFA (Cardiovascular and Pulmonary Research on e-cigarettes) Ad Hoc Reviewer
- 2018 Netherlands Organization for Scientific Research (NWO) Ad Hoc Reviewer
- 2020- NIH Small Business Review Panel ZRG1 ETTN-C (10) B Ad Hoc Reviewer
- 2021 UW/Fred Hutchinson Center For AIDS Research Study Section
- 2021 Netherlands Organization for Scientific Research (NWO) Ad Hoc Reviewer
- 2022 RSNA Resident, Seed, Scholar Grant Study Section
- 2022 RSNA RFA for Post-Acute Sequela of COVID (PASC) author and grant reviewer
- 2023 NIH Clinical Translational Imaging Science (CTIS) Ad Hoc Reviewer

Other Activities

- 2012 Invited as presenter for tour of ASNR Educational Exhibits
- 2016- Abstract Reviewer- ASNR and ASSR
- 2016- Dyke Award Reviewer, ASNR
- 2017 HMC Siemens MRI Research Symposium Organizer
- 2017,19 ABC Medical Education Protocol Design Committee
- 2016- ACR Review Course Proctor
- 2018- ACR Neuroradiology Review Course Director
- 2019- Abstract Reviewer, ARRS
- 2019- Abstract Reviewer, International Stroke Conference
- 2020 RSNA Annual Meeting Stroke Program Director
- 2020 RSNA Annual Meeting COVID-19 Track Chair
- 2020 RSNA Webinar: Radiology COVID-19 Preparedness, Expert Panel
- 2020 Journal of Cardiovascular CT Podcast: COVID-19 Guidance
- 2020 Chair- RSNA COVID-19 Task Force
- 2020 Philips Townhall: Planning for COVID and post-COVID, Sales Account Management Team
- 2020 ACR/JACR Webinar: COVID-19 and Your Radiology Practice
- 2020 Omnia Healthcare Webinar: Key decision points around imaging in COVID-19 patients
- 2021 Korean Congress of Radiology COVID-19 Course Chair
- 2021 RSNA COVID-19 Imaging Practice Course Leader
- 2022 Advisory Board- Guerbet
- 2022 Guest Co-Editor, Radiology Clinics of North America
- 2022 RSNA Stroke: Advances in Imaging in Stroke Prevention Course Leader
- 2022 Guest Editor, Neuroimaging Clinics of North America
- 2022-23 Applied Radiology Leaders on the Horizon Review Committee Member
- 2023 RSNA Stroke Course Leader
- 2023 Organizer and co-Chair- Mumbai MRI Teaching Conference

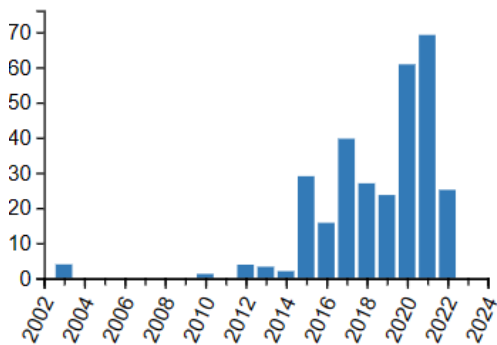
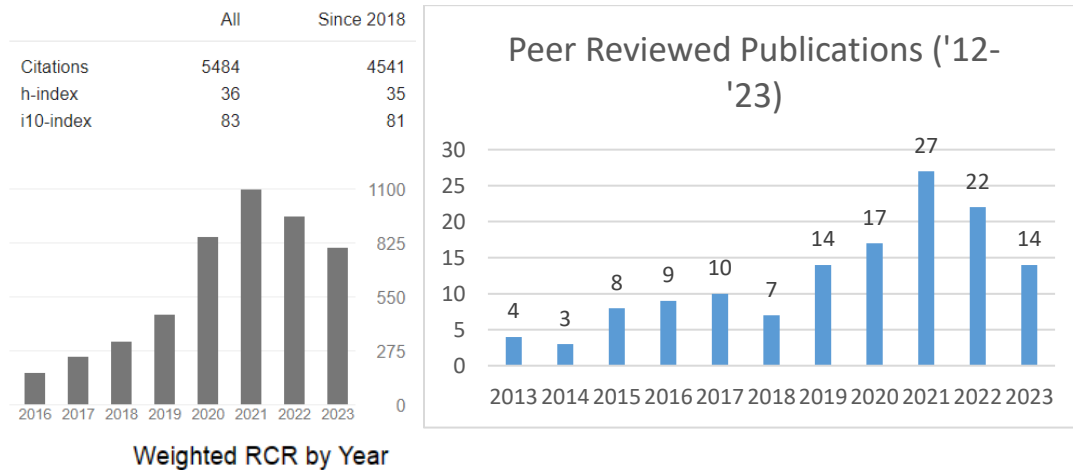
Professional Memberships

- 2009- Radiological Society of North America
- 2009- American Society of Neuroradiology
- 2015- Senior member

- 2014- International Society of Magnetic Resonance in Medicine
- 2015- Association of University Radiologists
- 2017- Western Neuroradiological Society
- 2018- ARRS

VI. Publications and Publication Data

Citations and Publications Per Year



Mean RCR: 3.43

Weighted RCR: 291.32

Publications

- 1) Hennige AM*, Burks DJ, Ozcan U, Kulkarni RN, Ye J, Park S, Schubert M, Fisher TL, Dow MA, Leshan R, Zakaria M, **Mossa-Basha M**, White MF, Upregulation of Insulin Receptor Substrate-2 in Pancreatic Beta Cells Prevents Diabetes, **Journal of Clinical Investigation**, Nov 2003, 112 (10): 1521-1532. PMID: 14617753.
- 2) H. Elsamaloty*, N. Zenooz, **M. Mossa-Basha**, Glioblastoma multiforme (GBM) of the conus medullaris with brain and brain stem metastases, **European Journal of Radiology Extra**, June 2006, 58,3; pg. 59-62.

- 3) **M. Mossa-Basha**, M. Van Holsbeeck*, Musculoskeletal Infection, **Ultrasound Clinics**, October 2007, W.B. Saunders, Philadelphia, PA, 2; 4: 639-653.
- 4) **Mossa-Basha M***, Fundaro G, Shah B, Ali S, Pantelic M, Ductal carcinoma in situ of the breast: MR imaging findings with histopathologic correlation, **Radiographics**, 2010 Oct;30(6):1673-87. PMID: 21071382.
***Selected as self-assessment module by RSNA for ABR Recertification.**
- 5) **Mahmud Mossa-Basha**, James Chen, Dheeraj Gandhi*, Imaging of Cerebral Arteriovenous Malformations and Dural Arteriovenous Fistulas, **Neurosurgical Clinics of North America**, 2012 January; 23 (1): 27-42. PMID: 22107856.
- 6) Ilica A*, **Mossa-Basha M**, Izbudak I, Maluf F, Aygun N, Clinical and Radiologic Features of Fungal Diseases of the Paranasal Sinuses, **Journal of Computer Assisted Tomography**, September 2012; 36(5):570-6. PMID: 22992608.
- 7) **M. Mossa-Basha***, I. Izbudak, G. Gurda, N. Aygun, Cerebral Fat Embolism Syndrome in Sickle Cell Anemia/Beta Thalassemia: Importance of Susceptibility Weighted MRI, **Clinical Radiology**, October 2012; 67(10): 1023-1026. PMID: 22608248.
- 8) **M. Mossa-Basha***, A.T. Ilica, F. Maluf, I. Izbudak, N. Aygun, The many faces of fungal disease of the paranasal sinuses: CT and MRI findings, **Diagnostic and Interventional Radiology**, 2013 May-Jun;19(3):195-200. PMID: 23271503.
- 9) **M. Mossa-Basha***, D.M. Yousem, Congenital Cystic Lesions of the Neck, **Applied Radiology**, January 2013; 42 (1): 8-22.
- 10) **M. Mossa-Basha***, A. Blitz, Imaging of the Paranasal Sinuses, **Seminars in Roentgenology**, 2013 Jan; 48(1):14-34. PMID: 23158048.
- 11) Atasoy MM*, Oren NC, Ilica AT, Güvenç I, Günel A, **Mossa-Basha M**, Sonography of fat necrosis of the breast: Correlation with mammography and MR imaging, **Journal of Clinical Ultrasound**. 2013 Sep;41(7):415-23. PMID: 23712620.
- 12) A.F. Choudhri*, A. Zaza, T.S. Auschwitz, P. Klimo, **M. Mossa-Basha**, Noninvasive vascular imaging of moyamoya: diagnosis, followup, and surgical planning, **Journal of Pediatric Neuroradiology**, Volume 3, Number 1, 2014.
- 13) Koral K*, Alford R, Choudhury N, **Mossa-Basha M**, Gargan L, Gimi B, Gao A, Zhang S, Bowers DC, Koral KM, Izbudak I, Applicability of apparent diffusion coefficient ratios in preoperative diagnosis of common pediatric cerebellar tumors across two institutions, **Neuroradiology**. 2014 Sep; 56(9):781-8. PMID: 24974083.

- 14) A. Ilica*, **M. Mossa-Basha**, E. Zan, A. Vikani, J. Pillai, S. Gujar, N. Aygun, I. Izbudak, Cranial Intraosseous Meningioma: Spectrum of neuroimaging findings with respect to histopathological grades in 65 patients, **Clinical Imaging**, 2014 Sep-Oct; 38(5):599-604. PMID: 24997535.
- 15) T. Miller, R. Shankar, **M. Mossa-Basha**, D. Gandhi*, Reversible Cerebral Vasoconstriction Syndrome, Part 1: Epidemiology, Pathogenesis, and Clinical Course, **American Journal of Neuroradiology**, 2015 Aug; 36(8):1392-9. PMID: 25593203.
- 16) T. Miller, R. Shankar, **M. Mossa-Basha**, D. Gandhi*, Reversible Cerebral Vasoconstriction Syndrome, Part 2: Diagnostic Work-Up, Imaging Evaluation, and Differential Diagnosis, **American Journal of Neuroradiology**, 2015 Sep; 36(9):1580-8. PMID: 25614476.
- 17) R. Morton*, F. Tariq, M. Levitt, J. Nerva, **M. Mossa-Basha**, L. Sekhar, L. Kim, D. Hallam, B. Ghodke, Radiographic and clinical outcomes in cavernous carotid fistula with special focus on alternative transvenous access techniques, Journal of Clinical Neuroscience, **Journal of Clinical Neuroscience**. 2015 May; 22(5):859-64. PMID: 25682541.
- 18) A. Reynolds*, E. Byrd, **M. Mossa-Basha**, S.P. Khot, A. Davis, A 61-Year-Old Woman with Headaches and Aphasia, **The Neurohospitalist**, 2015 Oct;5(4):245-50. PMID: 26425252.
- 19) J. Andre*, B. Bresnahan, **M. Mossa-Basha**, G. Wilson, Y. Anzai, M.N. Hoff, W. Cohen, Toward Quantifying the Prevalence, Severity and Cost Estimates Associated With Patient Motion During Clinical MR Examinations, **Journal of the American College of Radiology**, 2015 Jul;12(7):689-95. PMID: 25963225.
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Book Editor Responsibilities

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Other Publications

- 1) ACR CPI Neuroradiology Module, 2018, Contributing author, <https://shop.acr.org/Default.aspx?TabID=55&ProductId=788349324#viewmore>
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- 5) **M. Mossa-Basha**, J. Azadi, J. Klein, C. Menias, C. Filippi, BS Tan, E. Velez, J. Ko, C. Meltzer, RSNA COVID-19 Task Force: Post-COVID Surge Radiology Preparedness, RSNA, May 2020, <https://www.rsna.org/-/media/Files/RSNA/covid-19/RSNA-COVID-19-PostSurgePreparedness.pdf>
- 6) “Radiology World Scrambling to Help Face Down Pandemic”, **The ABR Blog**, April 21, 2020, <https://www.theabr.org/blogs/radiology-world-scrambling-to-help-face-down-pandemic>
- 7) **M. Mossa-Basha**, “Contrast Media Shortage Podcast”, **Radiology Podcast**, 5/24/2022, [Radiology Podcasts | RSNA: Managing Contrast Media Shortage \(libsyn.com\)](https://radiologypodcasts.com/RSNA-Managing-Contrast-Media-Shortage).
- 8) L. Chen, Y. Xie, J. Sun, N. Balu, **M. Mossa-Basha**, K. Pimentel, T. Hatsukami, J. Hwang, C. Yuan*, Y-net: 3D intracranial artery segmentation using a convolutional autoencoder, **ArXiv**, <https://arxiv.org/abs/1712.07194>.

Online Invited Presentations

- 1) **Mossa-Basha M**, "Imaging of Neurodegenerative Disease and Dementia." UW Radiology Review Course "Not Just for Residents" DVD, Birmingham, AL: CMEInfo, 2013.
- 2) **M. Mossa-Basha**, *Epidural Extramedullary Hematopoiesis Resulting in Myelopathy*, RSNA Case of the Day, http://www2.rsna.org/timssnet/store/rsna_customsearchaction.cfm?productclass=COD.
- 3) **M. Mossa-Basha**, *Cerebral Fat Embolism in the Setting of Sickle Cell Hemoglobinopathy*, RSNA Case of the Day, https://www2.rsna.org/timssnet/store/rsna_customsearchaction.cfm.
- 4) **M. Mossa-Basha**, *Hyperammonemic Encephalopathy in the Setting of Late Onset Ornithine Transcarbamylase Deficiency*, RSNA Case of the Day, https://www2.rsna.org/timssnet/store/rsna_customsearchaction.cfm.
- 5) **M. Mossa-Basha**, *Intracranial Vessel Wall MRI: Imaging Beyond the Lumen, Part 1*, ASNR Neurocurriculum Live, <http://www.asnr.org/asnr-neurocurriculum-live>.
- 6) **M. Mossa-Basha**, *Intracranial Vessel Wall MRI: Imaging Beyond the Lumen, Part 2*, ASNR Neurocurriculum Live, <http://www.asnr.org/asnr-neurocurriculum-live>.
- 7) **M. Mossa-Basha**, C. Meltzer, D. Kim, M. Tuite, K. Kolli, D. Bluemke, L. Moy, Radiology Preparedness for COVID-19: Radiology Scientific Expert Review Panel, RSNA, March 2020, <https://www.youtube.com/user/RSNAtube>
- 8) **M. Mossa-Basha**, K. Branch, P. Gianluca, COVID Guidance Podcast, **Journal of Cardiovascular CT**, March 2020, <http://jccttalks.buzzsprout.com/495397/3118975-issue-insight-jcct-covid-19-guidance>
- 9) **M. Mossa-Basha**, S. Raouf, S. Patel, B. Pyatt, D. Kirsch, M. Recht, G. McGinty, COVID-19 and your Radiology Practice, **JACR**, April 2020, <https://t.co/HkVbBOyNMO?amp=1>
- 10) **M. Mossa-Basha**, D. Ortiz, D. Smetherman, J. Kazam, J. Yee, **ACR Radiology Leadership Institute** Leadership Town Hall: Leading in Times of Crisis, April 16, 2020, http://s3.amazonaws.com/media.mycrowdwisdom.com/acr/RLI/Resources_2020/RLI_Leadership_Town_Hall_Leading_in_Times_of_Crisis.mp4.

- 11) **M. Mossa-Basha**, S. Popescu, D. Chopra, Radiology and Disinfection in the Age of COVID-19, **Diagnostic Imaging and Infection Control Today**, May 4, 2020, <https://www.diagnosticimaging.com/covid-19/webinar-radiology-and-disinfection-age-covid-19>
- 12) **M. Mossa-Basha**, M. Mahoney, J. Bailey, H. Bedi, D. Daye, The Impact of COVID-19 on Radiology Residents and Resident Education, **RSNA**, May 15, 2020, https://www.youtube.com/watch?v=Nlkff_vSDas&feature=youtu.be
- 13) **M. Mossa-Basha**, Current Experiences with the COVID-19 Outbreak, **British Institute of Radiology**, May 2020, <https://www.birpublications.org/page/podcasts/2020/covid-19-medical-imaging>
- 14) Michael Fuchsjaeger, **Mahmud Mossa-Basha**, Hans-Ulrich Kauczor, Valentin Sinitsyn, Key decision points around imaging in COVID-19 patients, **Omnia Health Live**, June 2020, <https://register.gotowebinar.com/register/3600683285517153807?source=omnia>
- 15) **M. Mossa-Basha**, C. Tomlinson, Patient Anxiety and Expectations: How Healthcare Organizations Can Provide a Positive Patient Experience Post-COVID-19, **GE Global Webinar**, June 29, 2020, [Radiology: Coming Back After COVID-19 | GE Healthcare \(United States\)](https://www.ge.com/radiology/coming-back-after-covid-19)
- 16) **M. Mossa-Basha**, M. Mahoney, C. Fillipi, L. Oleaga, C. Meltzer, M. Schnall, B.S. Tan, Crisis Leadership, **RSNA Webinar**, July 10, 2020, <https://www.youtube.com/watch?v=cP-IIHRD5BU&feature=youtu.be>
- 17) **M. Mossa-Basha**, J. Becker, S. Lo, V. Venur, Spine Oncology, **ASSR Webinar**, December 18, 2021.
- 18) **M. Mossa-Basha**, A. Vagal, W. Gibbs, Education Advances: Spinal Cord Imaging, **ASNR Webinar**, January 26, 2022.
- 19) **M. Mossa-Basha**, Intracranial Vessel Wall Imaging: Techniques, Approaches and Value, **Seattle Science Foundation Tv**, March 9, 2022, [Vessel Wall Imaging in Cerebrovascular Neurosurgery – Mahmud Mossa-Basha, M.D. - YouTube](https://www.youtube.com/watch?v=...)
- 20) **M. Mossa-Basha**, A. Beirhals, G. Rubin, E. Fishman, L. Moy, Strategies to Manage the Shortage of Iohexol, **RSNA**, May 26, 2022, [Strategies to Manage the Shortage of Iohexol \(2022\) \(rsna.org\)](https://www.rsna.org/education/continuing-education/shortage-of-iohexol-2022)
- 21) **M. Mossa-Basha**, D. Karolyi, J. Cavallo, R. Lee, M. Kuhn, Managing Iodinated Contrast Media Shortage: Real World Solutions, **Applied Radiology**, June 28, 2022, [Managing Iodinated Contrast Shortages | 'Real World' Solutions \(on24.com\)](https://www.on24.com/...)

- 22) **M. Mossa-Basha**, B. Wasserman, S. Ansari, D. Eckhart, K. Nael, J. Ormsby, Advanced Neurovascular Imaging, **ASFNR**, June 24, 2022. Lecture: Intracranial Vessel Wall Imaging: The Basics. [Video Library | ASFNR](#)
- 23) **M. Mossa-Basha**, M. Johnson, J. Becker, J. Van Goethem, C. Torres, G. Shah, G. D'Anna, ASSR Spine Imaging Live Webinar: Mentorship in Academic Radiology, **ASSR**, October 31, 2022, [ASSR Live: Mentorship Panel \(mycrowdwisdom.com\)](#)
- 24) **M. Mossa-Basha**, C. Yuan, J. Romero, M. Edjlali, A. Rutman, J. Vranic, Neurovascular Imaging: Pros and Cons of Each Technique: Ultrasound and MRA, **ASNR/SMRA Joint Symposium**, November 9, 2022, [Education Advances: Neurovascular Imaging Modalities: Pros and Cons of Each Technique, presented by ASNR & SMRA \(mycrowdwisdom.com\)](#)
- 25) **M. Mossa-Basha**, M. Johnson, J. Becker, J. Van Goethem, C. Torres, G. Shah, G. D'Anna, ASSR Spine Imaging Live Webinar: Diversity, **ASSR**, November 14, 2022,
- 26) **M. Mossa-Basha**, C. Yuan, J. Romero, M. Edjlali, A. Rutman, J. Vranic, Neurovascular Imaging: Pros and Cons of Each Technique: CTA and DSA, **ASNR/SMRA Joint Symposium**, November 16, 2022,
- 27) **M. Mossa-Basha**, M. Davenport, R. Smith-Bindman, A. Kambadakone, How do CT innovations translate to better patient care in 2023?, **Auntminnie.com**, [AUNT MINI QT 29 1 on Vimeo](#)

VII. Abstracts/Presentations

- 1) **Mossa-Basha M**, Kuzia KM, Thomas JS, Mostafapour MK, Changes in Carbohydrate Moieties of the Alpha and Beta Crystallin Proteins of the Bovine Lens in Connection with Cataracts, Meeting of the Minds, Oakland, MI, May 1999.
- 2) **Mossa-Basha M**, Marin H, Radio-pathologic Correlation of Low-Grade Temporal Neoplasms, abstract and poster, American Society of Neuroradiology, Vancouver, Canada, May 2009.
- 3) **Mossa-Basha M**, Shah B, Fundaro G, Ali S, DCIS of the Breast: MRI with Histopathologic Correlation, abstract and poster, Radiological Society of North America, Chicago, IL, December 2009.
*Certificate of Merit Award Recipient.
- 4) **Mossa-Basha M**, Marin H, Imaging Characteristics of DNET and Ganglioglioma on MRI, abstract and poster, Michigan Radiologic Society Resident Research Forum, Novi, MI, February 2010.

- 5) **Mossa-Basha M**, Shah B, Fundaro G, Pantelic M, MRI Imaging Characteristics of DCIS of the Breast, abstract and poster, Michigan Radiologic Society Resident Research Forum, Novi, MI, February 2010.
- 6) Deib G, **Mossa-Basha M**, Upadhy A, Zaca D, Pillai J, Sair H, Distinct Connectivity Networks of the Pars Opercularis Using Resting State fMRI, Oral Presentation, American Society of Functional Neuroradiology, Scottsdale, AZ, March 2011.
- 7) Deib G, Upadhy A, **Mossa-Basha M**, Zaca D, Pillai J, Sair H, Distinct Connectivity Networks of the Pars Opercularis Using Resting State fMRI, Abstract and Poster, American Society of Functional Neuroradiology, Scottsdale, AZ, March 2011.
- 8) **M. Mossa-Basha**, J. Chen, H. Sair, A.T. Ilica, D. Gandhi, Advanced Imaging Techniques of Cerebral Arteriovenous Malformations, Abstract and Education Poster, American Society of Neuroradiology, New York, NY, April 2012.
***Invited as Presenter for Tour of Educational Exhibits.**
- 9) **M. Mossa-Basha**, P. Gailloud, M. Pearl, D. Lin, MRI/MRA and CT Imaging of Indirect and Direct Cavernous Carotid Fistula, Abstract and Scientific Poster, American Society of Neuroradiology, New York, NY, April 2012.
- 10) **M. Mossa-Basha**, P. Gailloud, M. Pearl, D. Lin, Cross-Sectional Imaging of Indirect and Direct Cavernous Carotid Fistula, Abstract and Scientific Oral Presentation, American Society of Neuroradiology, New York, NY, April 2012.
- 11) Ilica, **M. Mossa-Basha**, F. Maluf, N. Aygun, Many Faces of Fungal Disease in Paranasal Sinuses: CT and MR Imaging Findings, Abstract and Educational Exhibit, American Society of Neuroradiology, New York, NY, April 2012.
- 12) W. Hwang, **M. Mossa-Basha**, Application of Susceptibility Weighted Imaging of the Brain in Evaluation of Vascular Pathology, Abstract and Educational Exhibit, American Society of Functional Neuroradiology, March 2013, Charleston, SC.
- 13) P. Bailey, **M. Mossa-Basha**, D. Zaca, J. Eng, H. Sair, S. Gujar, J. Voyvodic, J. Pillai, Relative Value of Preoperative BOLD fMRI and DTI for Prediction of Neurologic Deficit in Brain Tumor Patients, Abstract and Scientific Poster, American Society of Functional Neuroradiology, March 2013, Charleston, SC.
- 14) M. Witkosky, **M. Mossa-Basha**, Cerebral Fat Embolism in a Patient with Sickle Cell/Beta Thalassemia in the Setting of Parvovirus B19 Infection, May 2013, ASNR, San Diego, CA.
- 15) F. Perez, M. Ramos, **M. Mossa-Basha**, K. Fink, Y. Anzai, S. McCallum, B. Mengesha, J. Andre, Evaluation and optimization of cerebral CT angiography

- using model-based iterative reconstruction for evaluation of treated aneurysms – a phantom study, May 2013, ASNR, San Diego, CA.
- 16) F. Perez, M. Ramos, **M. Mossa-Basha**, K. Fink, Y. Anzai, S. McCallum, B. Mengesha, J. Andre, Assessment of Extended Hounsfield Units with Dual Energy CTA for Evaluation of Treated Aneurysms – A Phantom Study, May 2013, ASNR, San Diego, CA.
 - 17) Hwang WD, **Mossa-Basha M**, Andre JB, Culbertson S, Ramos M, Anzai Y, Qualitative Evaluation of Dual-Energy Head CT in Comparison with Conventional Head CT, ASNR, May 2013, San Diego, CA.
 - 18) D. Eckart, S. Newsome, A. Poretti, E. Boltshauser, **M. Mossa-Basha**, T. Huisman, I. Izbudak, Longitudinally Extensive Myelopathy in Adults and Children: The Spectrum of Pathology on MRI, May 2013, ASNR, San Diego, CA.
 - 19) N. Choudhry, **M. Mossa-Basha**, S. Zhang, B. Gimi, A. Gao, L. Gargan, D. Bowers, I. Izbudak, K. Koral, ADC ratios Allow for Correct Preoperative Diagnosis of Common Pediatric Cerebellar Tumors with High Accuracy across Institutions, Scientific poster, RSNA, 2013.
 - 20) A. Rutman, **M. Mossa-Basha**, G. Palagallo, Multimodality Imaging of Cerebral Vasculitis, electronic exhibit, RSNA 2013, Chicago, IL.
 - 21) G. Palagallo, A. Rutman, **M. Mossa-Basha**, Off the Wall: Imaging Intracranial Arteries with Black Blood MRA, electronic exhibit, RSNA 2013, Chicago, IL.
***Magna Cum Laude Award Recipient**
 - 22) S. Gadhikeri, D. Sundrakumar, **M. Mossa-Basha**, The Role of Hi-Resolution Black Blood MR Imaging in Characterizing Intracranial Arterial Stenosis, abstract accepted, American Roentgen Ray Society, May 2013, San Diego, CA.
 - 23) **M. Mossa-Basha**, Epidural Extramedullary Hematopoiesis, RSNA Case of the Day, RSNA 2013, Chicago, IL.
***Selected for RSNA Scan 2013; Oak Brook, Ill: Radiological Society of North America; 2014.**
 - 24) A. Reynolds, **M. Mossa-Basha**, A. Davis, S. Khot, Inflammatory Cerebral Amyloid Angiopathy Mimicking an Aggressive Glioma, abstract and poster, American Academy of Neurology 66th Annual Meeting, April 2014.
 - 25) Andre, JB; Hoff, MN; **Mossa-Basha, M**; Bresnahan, B; Cohen, W, Patient Motion: Small Annoyance or Call to Action?, abstract and poster, ASNR, Montreal, May 2014.

- 26) Andre, JB; **Mossa-Basha, M**; Hoff, MN; Smith, CP; Cohen, W, Patient Motion: Small Annoyance or Call to Action?, abstract and poster, International Society of Magnetic Resonance in Medicine, Milan Italy, May 2014.
- 27) M. Guevara, W. Lin, **M. Mossa-Basha**, Black Blood MRI For Diagnosis Of Large Vessel Vasculitis, European League Against Rheumatism, abstract and oral presentation, Paris, France, June 2014.
- 28) W Hwang, **M Mossa-Basha**, G Davis, Y Anzai, Snot So Bad: Paranasal Sinus Normal Anatomy, Important Anatomic Variants, and What the Endoscopic Surgeon Wants to Know before and after Endoscopic Sinus Surgery, abstract and electronic exhibit, RSNA, Chicago, IL, Nov. 2014.
***Certificate of Merit Award Recipient**
- 29) S Zaidi, **M Mossa-Basha**, K Linnau, Q Nguyen, S Osman, The Injured Spinal Cord – Problem Solving with Advanced MRI Techniques, abstract and poster, RSNA, Chicago, IL, Nov. 2014.
- 30) **M Mossa-Basha**, W Lin, M Guevera, T Gazitt, G Hughes, Imaging Beyond the Lumen: Vessel Wall Imaging in Large-Vessel Vasculitis Utilizing Black-Blood MRI, abstract and poster, RSNA, Chicago, IL, Nov. 2014.
- 31) **Mahmud Mossa-Basha**, W D Hwang, T Hatsukami; A de Havenon, D Tirschwell, Y Anzai, N Balu, D. Hippe, C Yuan, The Value of High-Resolution T2-Weighted Vessel Wall MR Imaging for the Differentiation of Intracranial Vasculopathies, abstract and oral presentation, RSNA, Chicago, IL, Nov. 2014.
- 32) **Mahmud Mossa-Basha**, B Eichinger, M El Refaei, N Aygun, D S Hippe, Blood on the Brain: Differentiation of Traumatic Cerebral Fat Embolism from Hemorrhagic Shear Injury on MR Imaging, abstract and oral presentation, RSNA, Chicago, IL, Nov. 2014.
- 33) A. de Havenon, D. Tirschwell, Y. Anzai, A. Sultan-Qurraie, W. Cohen, **M. Mossa-Basha**, J. Andre, Medial occipital lobe hyperperfusion – a poor prognostic sign for patients with hypoxic-anoxic injury, abstract and poster presentation, RSNA, Chicago, IL, Nov. 2014.
- 34) M. ElRefaei, **M. Mossa-Basha**, B. Eichinger, N. Aygun, D. Hippe, Differentiation of Traumatic Cerebral Fat Embolism from Hemorrhagic Shear Injury on Conventional MRI and SWI, abstract and electronic presentation, International Congress of Radiology, Dubai, UAE, Sept. 2014.
- 35) **M. Mossa-Basha**, B. Hwang, D. Hippe, T. Hatsukami, Y. Anzai, C. Yuan, Comparison of MRI Techniques for Intracranial Arterial Luminal Measurements, International Congress on Intracranial Atherosclerosis (ICAS), abstract and poster presentation, Chengdu, China, Sept. 2014.

- 36) M. Alexander, C. Yuan, T. Hatsukami, Y. Anzai, **M. Mossa-Basha**, Vessel Wall Imaging Can Identify Angiographically Occult Symptomatic Intracranial Atherosclerosis, Western Neuroradiological Society, abstract and oral presentation, San Francisco, CA, Oct. 2014.
- 37) A Sultan-Qurraie, A de Havenon, **M Mossa-Basha**, WT Longstreth, KJ Becker, DL Tirschwell, Younger Age And Anticoagulation Are Risk Factors For Pseudoaneurysm In Cases Of Cervical Arterial Dissection, Abstract and oral presentation, International Stroke Conference, Memphis, TN, Feb. 2015.
- 38) A. De Havenon, A. Sultan-Qurraie, D. Tirschwell, **M. Mossa-Basha**, High-risk features on carotid MRI do not correlate with emboli monitoring on TCD, American Society of Neuroimaging, abstract and oral presentation, Phoenix AZ, Jan. 2015.
- 39) J. Andre, Y. Anzai, **M. Mossa-Basha**, M. Hoff, S. Minoshima, Three Dimensional Stereotactic Surface Projection Rendering of Arterial Spin Labeling Data in a Clinical Population, abstract and poster presentation, ISMRM, Toronto, Canada, Apr. 2015.
- 40) M Alexander, C Yuan, N Balu, T Hatsukami, **M Mossa-Basha**, Association of Vessel Wall MR Imaging Features of Intracranial Atherosclerotic Plaques and Calcification on Non- Contrast CT, abstract and oral presentation, ASNR, Chicago, IL, Apr. 2015.
- 41) M Alexander, W Cohen, J Andre, M Guevara, G Hughes, C Yuan, **M Mossa-Basha**, 2D versus 3D Techniques for Vessel Wall Imaging Evaluation of Vasculitis in the Cervical Arteries, abstract and oral presentation, ASNR, Chicago, IL, Apr. 2015.
- 42) M Alexander, C Yuan, N Balu, T Hatsukami, **M Mossa-Basha**, Vessel Wall Imaging Features of Intracranial Atherosclerotic Plaques Upstream to Acute and Chronic Infarctions, abstract and oral presentation, ASNR, Chicago, IL, Apr. 2015.
- 43) **M Mossa-Basha**, W Hwang, A de havenon, N Balu, K Becker, T Hatsukami, D Tirschwell, D Hippe, Y Anzai, C Yuan, Multi-Contrast High Resolution Vessel Wall MR Imaging and its Value in Differentiating Intracranial Vasculopathy, abstract and oral presentation, ASNR, Chicago, IL, Apr. 2015.
- 44) J Andre, Y Anzai, G Wilson, **M Mossa-Basha**, D Hippe, M Hoff, S Minoshima, Three Dimensional Stereotactic Surface Projection Rendering of Arterial Spin Labeling Data in a Clinical Population, abstract and oral presentation, ASNR, Chicago, IL, Apr. 2015.

- 45) D Sundarakumar, **M Mossa-Basha**, W Hwang, K Maravilla, White Matter Suppressed T1 Inversion Recovery Sequence improves detection of Focal Lesions in the Cervical Spinal Cord in Multiple Sclerosis, abstract and oral presentation, ASNR, Chicago, IL, Apr. 2015.
- 46) A. Rutman, D. Peterson, W. Cohen, **M. Mossa-Basha**, Diffusion Tensor Imaging of the Spinal Cord, Educational Exhibit, RSNA, Chicago, IL, Dec. 2015.
***Cum Laude Award Recipient**
- 47) A. Rutman, C. Yuan, W.D. Hwang, D. Hippe, N. Balu, T. Hatsukami, D. Tirschwell, A. De Havenon, **M. Mossa-Basha**, High Resolution Intracranial Vessel Wall Imaging of Atherosclerotic Plaque Characteristics: Correlation with Patient Symptoms, oral presentation, RSNA, Chicago, IL, Dec. 2015.
- 48) P. Ojeda, N. Varade, **M. Mossa-Basha**, A. Choudhri, Stroke Collateral Score: How to Evaluate and What it Means, Educational Exhibit, RSNA, Chicago, IL, Dec. 2015.
- 49) R. Sestokas Rindler, F. Chokshi, S. Eshraghi, **M. Mossa-Basha**, J. Malcolm, J. Chu, F. Ahmad, Role of Diffusion Tensor Imaging in Predicting Postoperative Outcome in Cervical Degenerative Pathologies, oral presentation, Spine Summit, Orlando, FL, March 2016.
- 50) R. Sestokas Rindler, F. Chokshi, **M. Mossa-Basha**, S. Eshraghi, J. Malcolm, J. Chu, F. Ahmad, Diagnostic Ability of Spinal Diffusion Tensor Imaging in Cervical Degenerative Pathologies: A Systematic Review of the Literature, electronic poster, American Association of Neurological Surgeons, Chicago, IL, April 2016.
- 51) R. Sestokas Rindler, F. Chokshi, S. Eshraghi, J. Malcolm, **M. Mossa-Basha**, F. Ahmad, Role of Spinal Diffusion Tensor Imaging in Predicting Post-Operative Outcome in Cervical Degenerative Pathologies, Oral presentation, Global Spine Congress/World Forum of Spine Research, Dubai, U.A.E., April 2016.
- 52) **M. Mossa-Basha**, M. Alexander, J.H. Maki, W.A. Cohen, D.S. Hippe, H. Huhdanpaa, C. Yuan, T. Saam, Exploring Other Vascular Dimensions: Comparison of 3-dimensional and 2-dimensional Vessel Wall Imaging Techniques for the Assessment of Large Artery Vasculopathies, printed poster, ISMRM, Singapore, May 2016.
- 53) **M. Mossa-Basha**, H.N. Liu, D.S. Hippe, N. Balu, J. Sun, D.K. Shibata, C. Yuan, The Ability to Detect Intracranial Arterial Calcifications: Evaluation of 3D TOF MRA and SNAP, electronic poster, ISMRM, Singapore, May 2016.
- 54) **M. Mossa-Basha**, M. Alexander, J.H. Maki, W.A. Cohen, D.S. Hippe, H. Huhdanpaa, C. Yuan, T. Saam, Exploring Other Vascular Dimensions:

- Comparison of 3-dimensional and 2-dimensional Vessel Wall Imaging Techniques for the Assessment of Large Artery Vasculopathies, turbo talk, ASNR, Washington, DC, May 2016.
- 55) **M. Mossa-Basha**, H.N. Liu, D.S. Hippe, N. Balu, J. Sun, D.K. Shibata, C. Yuan, The Ability to Detect Intracranial Arterial Calcifications: Evaluation of 3D TOF MRA and SNAP, electronic poster, ASNR, Washington, DC, May 2016.
- 56) B. Quiney, S. Ying, D. Hippe, **M. Mossa-Basha**, Intracranial calcification and stenosis and their association with stroke, oral presentation, ASNR, Washington, DC, May 2016.
- 57) A. Rutman, E. Rapp, D. Hippe, **M. Mossa-Basha**, MRI Differentiation of cerebral fat embolism (CFE) from diffuse axonal injury (DAI), turbo talk, ASNR, Washington, DC, May 2016.
- 58) R. Sestokas Rindler, F. Chokshi, S. Eshraghi, J. Malcolm, **M. Mossa-Basha**, F. Ahmad, Role of Spinal Diffusion Tensor Imaging in Predicting Post-Operative Outcome in Cervical Spondylotic Myelopathy: A Systematic Review, oral presentation, EuroSpine Annual Meeting, Berlin, Germany, October 2016.
- 59) A. Rutman, **M. Mossa-Basha**, More Than Just Dull Trauma: The Blunt Truth on the Imaging and Management of BCVI, Poster Presentation, RSNA, Chicago, IL, Dec. 2016.
***Certificate of Merit Award Recipient**
- 60) M. Dalesandro, K. Maravilla, L. Zagorchev, F. Wenzel, **M. Mossa-Basha**, D. Somashekar, Rapid Analysis of Volumetric MRI Data Using Deformable Model-based Segmentation can differentiate Alzheimer Disease Patients from Healthy Controls, Scientific Paper, RSNA, Chicago, IL, Dec. 2016.
- 61) C. Goiney, B. Carlson, A. Chew, C. Creuzfeldt, **M. Mossa-Basha**, Imaging Appropriateness Criteria May Guide Effective Use of CT Angiography in Acute Stroke Workup, International Stroke Conference, Houston, TX, Feb. 2017.
- 62) N. Balu, Z. Zhou, T. Hatsukami, **M. Mossa-Basha**, C. Yuan, Accelerated multi-contrast high isotropic resolution 3D intracranial vessel wall MRI using a vessel wall specific partially parallel undersampling and reconstruction strategy, International Stroke Conference, Houston, TX, Feb. 2017.
- 63) D. Peterson, D. Hippe, A. Rutman, A. Wilson, J. Jarvik, W. Cohen, F. Chokshi, **M. Mossa-Basha**, Test-Retest and Inter-Reader Reliability of a Semi-automated Segmentation Algorithm of DTI of the Cervical Spinal Cord in the setting of Acute Cervical Spine Trauma, ASSR, San Diego, CA, Feb. 2017.
***Best Meeting Paper- ASSR**

- 64) N. Balu, Z. Zhou, T. Hatsukami, **M. Mossa-Basha**, C. Yuan, Accelerated multi-contrast high isotropic resolution 3D intracranial vessel wall MRI using a vessel wall specific partially parallel undersampling and reconstruction strategy, International Society of Magnetic Resonance in Medicine, Honolulu, HI, April 2017.
- 65) T. Huynh, M. Levitt, R. Morton, **M. Mossa-Basha**, MRI Vessel Wall Imaging Characteristics of the Circle of Willis in Patients with Endovascular Treated Ruptured and Unruptured Aneurysms: Association of vessel wall enhancement with vasospasm and balloon/stent-assisted coiling, ASNR, Long Beach, CA, April 2017.
- 66) T. Huynh, M. Levitt, R. Bonow, **M. Mossa-Basha**, MR Vessel Wall Imaging of Blunt Cerebrovascular Injury identified on CT Angiography: a preliminary study, ASNR, Long Beach, CA, April 2017.
- 67) G. Sadigh, R.K. Menon, M. Bhojak, A. Aladi, **M. Mossa-Basha**, L. Wu, V.T. Lehman, Waleed Brinjikji, J.W. Allen, Radiologic Management of Angiogram-Negative Spontaneous Intracranial Subarachnoid Hemorrhage: A Multi-center Study of Diagnostic Yield, ASNR, Long Beach, CA, April 2017.
- 68) S. Gadikheri, **M. Mossa-Basha**, J. Andre, Y. Anzai, Comparison of Fat suppression head and neck MRI: mDixon, STIR, and SPIR techniques, ASNR, Long Beach, CA, April 2017.
- 69) D. Peterson, D. Hippe, A. Rutman, A. Wilson, J. Jarvik, W. Cohen, F. Chokshi, **M. Mossa-Basha**, Test-Retest and Inter-Reader Reliability of a Semi-automated Segmentation Algorithm of DTI of the Cervical Spinal Cord in the setting of Acute Cervical Spine Trauma, ASNR, Long Beach, CA, Apr. 2017.
- 70) K. Sansom, **M. Mossa-Basha**, T. Huynh, M. Canton, A. Aliseda, Intracranial Vascular Disease Evaluation With Combined Vessel Wall Imaging And Patient Specific Hemodynamics, Summer Biomechanics, Bioengineering and Biotransport Conference, Tucson, AZ, June 2017.
- 71) L. Call, J. Morris, B. Flaherty, S. Bratton, M. Vavilala, **M. Mossa-Basha**, Pediatric Epidural Hematoma Evaluation and Determination of Clinical Care Plan, HIPRC INSIGHT Research Symposium, Seattle, WA, Aug 2017.
***First Place Research Presentation**
- 72) **M. Mossa-Basha**, D. Shibata, D. Hallam, A. De Havenon, D. Hippe, K. Becker, D. Tirschwell, T. Hatsukami, N. Balu, C. Yuan, Added Value of Vessel Wall MRI for Differentiation of Non-occlusive Intracranial Vasculopathies, ASFNR, Portland, OR, October 2017.

- 73) A.D. Baheti, S.A. Kembhavi, A. Rastogi, **M. Mossa-Basha**, Gadolinium Deposition in Brain: From an Unknown Unknown to a Known Unknown, RSNA, Chicago, IL, Dec. 2017.
***Invited as CME Presentation**
- 74) L. Chen, J. Sun, N. Balu, T. Hatsukami, **M. Mossa-Basha**, K. Pimentel, J. Hwang, C. Yuan, Automated detection and labeling of the intracranial arterial tree in routine MR angiography: A machine learning approach enhanced with structural saliency, RSNA, Chicago, IL, Dec. 2017.
- 75) J. Vranic, A. Tillack, D. Hippe, **M. Mossa-Basha**, The Ability Of Whole-Body CT to Detect Blunt Cerebrovascular Injury in a Large Trauma Patient Cohort: A Prospective Evaluation, RSNA, Chicago, IL, Dec. 2017. **Recipient of Travel Award.**
- 76) L. Chen, **M. Mossa-Basha**, D.S. Hippe, J. Sun, N. Balu, K. Pimentel, T. Hatsukami, J.N. Hwang, C. Yuan, Quantification of Morphometry and Intensity Features of Intracranial Arteries from 3D TOF MRA: A Reproducibility Study, ISMRM, Paris, France, June 2018.
- 77) P. Albertine, **M. Mossa-Basha**, Incidence and Clinical Significance of Blunt Cerebrovascular Injury in Trauma Pan Scans, ASNR, Vancouver, BC, CA, June 2018.
- 78) J. Hartman, H. Watase, J. Sun, D. Hippe, L. Kim, M. Levitt, L. Sekhar, T. Hatsukami, C. Yuan, **M. Mossa-Basha**, Intracranial Aneurysms at Higher Clinical Risk for Rupture Demonstrate Increased Wall Enhancement on Vessel Wall MRI, ASNR, Vancouver, BC, CA, June 2018.
- 79) J. Vranic, N. Cross, D. Hippe, Y. Wang, **M. Mossa-Basha**, The Ability of Compressed SENSE MR Imaging to Evaluate the Brain Relative to Conventional Fully Acquired MR Imaging: A Prospective Evaluation, ASNR, Vancouver, BC, CA, June 2018.
- 80) G. Sadigh, M. Bhojak, A. Aladi, A. Trofimova, **M. Mossa-Basha**, L. Wu, S. Dehkharghani, A. Derakhshani, J.W. Allen, Angiogram-Negative Spontaneous Intracranial Subarachnoid Hemorrhage: A Multi-center Study of Rebleeding Rate and Pattern of Hemorrhage, ASNR, Vancouver, BC, CA, June 2018.
- 81) H. Watase, J. Sun, D. Shibata, D. Hippe, T. Hatsukami, C. Yuan, **M. Mossa-Basha**, Reproducibility of 3D High-resolution Intracranial Vessel Wall Magnetic Resonance Imaging for Intracranial Atherosclerotic Disease, ASNR, Vancouver, BC, CA, June 2018.
- 82) A. Lal, T. Huynh, M. Levitt, L. Sekhar, G. Juric-Sekhar, **M. Mossa-Basha**, High Resolution-vessel wall MR imaging and Intracranial Aneurysms: Current

- understanding and potential clinical application, ASNR, Vancouver, BC, CA, June 2018.
- 83) A. Lele, N. Kannan, M.S. Vavilala, D. Sharma, **M. Mossa-Basha**, K. Agyem, C. Mock, R.M. Pandey, H.H. Dash, A. Mahapatra, D. Gupta, Patients Who Benefit from Intracranial Pressure Monitoring without Cerebrospinal Fluid Drainage after Severe Traumatic Brain Injury, Society for Neuroscience in Anesthesiology and Critical Care, San Francisco, CA, Oct 2018.
 - 84) M.A. Oztek, S.S. Lo, **M. Mossa-Basha**, M. Nyflot, P.A. Sponseller, W. Wu, C. Hofstetter, R. Saigal, S. Bowen, W. Yuh, N. Mayr, The Dancing Cord: Inherent Spinal Cord Motion and Its Effect on Cord Dose in Spine Stereotactic Body Radiation Therapy, RSNA, Chicago, IL, Dec 2018.
 - 85) C.G. Colip, M.A. Oztek, D.S. Hippe, W. Wu, N.A. Mayr, J.I. Rosenbaum, S. Lo, **M. Mossa-Basha**, W. Yuh, How Can Inter-Observer Reliability of Cervical Central Spinal Stenosis Evaluation and Cord Compression Be Improved, **RSNA**, Chicago, IL, Dec 2018.
 - 86) J.E. Vranic, R.P. DeConde, K.J. Becker, A. De Havenon, M. Nagel, C. Amliel-Lefond, N. Stence, T. Bernard, **M. Mossa-Basha**, Imaging Characterization and Differentiation of Intracranial Vasculopathies Using 3T MR Vessel-Wall Imaging, **RSNA**, Chicago, IL, Dec 2018.
 - 87) L. Wu, **M. Mossa-Basha**, Blunt Cerebrovascular Injury: 10-Year Experience at a Level I Trauma Center, **RSNA**, Chicago, IL, Dec 2018.
 - 88) C.G. Colip, S. Wo, D.S. Hippe, H. Watase; A.R. Urdaneta-Moncada, M. Levitt, **M. Mossa-Basha**, CTA Findings Predictive of Postoperative Vasospasm in Patients with SAH secondary to Ruptured Intracranial Aneurysm, **RSNA**, Chicago, IL, Dec 2018.
 - 89) M.A. Oztek, S.S. Lo, **M. Mossa-Basha**, M. Nyflot, P.A. Sponseller, W. Wu, C. Hofstetter, R. Saigal, S. Bowen, W. Yuh, N. Mayr, The Dancing Cord: Inherent Spinal Cord Motion and its Effect on Cord Dose in Spine Stereotactic Body Radiation Therapy, **Radiosurgery Society Annual Scientific Meeting**, San Diego, CA, March 2019.
 - 90) C. Colip, S. Wo, A. Urdaneta-Moncada, D. Hippe, H. Watase, C. Kelly, M. Levitt, **M. Mossa-Basha**, CT Angiography Leptomeningeal Collateral Assessment for Vasospasm in Patients with Aneurysmal Subarachnoid Hemorrhage, **International Stroke Conference**, Honolulu, HI, Feb. 2019.
 - 91) M. Zawaideh, P. Ojeda, **M. Mossa-Basha**, D. Haynor, The utility of deep learning: evaluation of a convolutional neural network for detection of intracranial

- bleeds on non-contrast head computed tomography studies, **SPIE Medical Imaging**, San Diego, CA, Feb. 2019.
- 92) R. Cody, J. Hartman, J. Sharp, W. Cohen, **M. Mossa-Basha**, Calibrating To Hit A Moving Target: The Need For Evaluating And Modifying CT Perfusion Parameters For Acute Ischemic Stroke Following Initial Implementation, **AANS/CNS joint cerebrovascular section annual meeting**, Honolulu, HI, Feb. 2019.
- 93) Vranic JE, DeConde RP, Tillack A, **Moss-Basha M**. Differences in Clinical Outcomes Between Patients with Treated and Untreated Blunt Cerebrovascular Injuries (BCVI). **AUR** Original Research Presentation. 4/12/2019, Baltimore, MD.
***ACR-AUR Research Scholar Recipient.**
- 94) R. Cody, J. Hartman, J. Sharp, W. Cohen, **M. Mossa-Basha**, Calibrating to Hit a Moving Target: The Need for Evaluating and Modifying CT Perfusion Parameters for Acute Ischemic Stroke Following Initial Implementation, **ASNR**, Boston, MA, May 2019.
- 95) L. Wang, Y. Wang, M. Oztek, N. Mayr, S. Lo, W. Yuh, **M. Mossa-Basha**, Automated Identification of Noise Signal in Spinal DCE-MRI using Independent Component Analysis and Unsupervised Machine Learning, **ISMRM**, Montreal, CA, May 2019.
- 96) N. Balu, L. Wang, T. Zhang, Z. Zhou, E. Gong, K. Pimentel, **M. Mossa-Basha**, T. Hatsukami, C. Yuan, Generative Adversarial Networks based Compressed Sensing for Multi-contrast Intracranial Vessel Wall Imaging Acceleration, **ISMRM**, Montreal, CA, May 2019.
- 97) Z. Zhou, B. Chou, J. Sun, N. Balu, **M. Mossa-Basha**, T. Hatsukami, P. Bornert, C. Yuan, Highly Accelerated Whole Brain Isotropic 0.5mm Intracranial Vessel Wall Imaging with Nonlocal Denoising and Super Resolution Enhancement, **ISMRM**, Montreal, CA, May 2019.
- 98) C G Colip, M A Oztek, N A Mayr, **M Mossa-Basha**, J I Rosenbaum, L Wu, M Mogensen, SS Lo, W Yuh, Assessment of Cervical Spinal Stenosis: Can We Assume that Most Compression of the Cord Occurs Along the Midsagittal AP Direction?, **RSNA**, Chicago, IL, Dec 2019.
- 99) L Wang, Z Zhou, T Zhang, E Gong, G Zaharchuk, N Balu, K Pimentel, **M Mossa-Basha**, T Hatsukami, C Yuan, Deep-learning Enabled Acceleration for Multi-contrast High-resolution Intracranial Vessel Wall Imaging with 40x Reconstruction Speed-up, oral presentation, **RSNA**, Chicago, IL, Dec 2019.

- 100) L Wu, MA Oztek, **M Mossa-Basha**, BW Bresnahan, CG Colip, MA Mogensen, W Yuh, What if MRI is Used as First Line Imaging for ED Patients with Suspected Acute Ischemic Stroke?, **RSNA**, Chicago, IL, Dec 2019.
- 101) L Wang, Z Zhou, T Zhang; E Gong, G Zaharchuk, N Balu, K Pimentel, **M Mossa-Basha**, T Hatsukami, C Yuan, Deep Learning-Enabled Acceleration for Multi-Contrast High-Resolution Intracranial Vessel Wall Imaging with 40x Reconstruction Speedup, poster presentation, **RSNA**, Chicago, IL, Dec 2019.
- 102) M. Oztek, N. Mayr, M. Mossa-Basha, C. Hofstetter, R. Saigal, S. Lo, The Effect of Physiologic Spinal Cord Motion on Cord Dose in Spine SBRT, **Radiosurgery Society**, Washington DC, April 2020.
***Best Clinical Abstract**
- 103) J. Hartman, C. Goiney, B. Carlson, S. Moran, D. Hippe, M. Zecevic, A. Reylea-Chew, C. Creutzfeldt, R. DeConde, **M. Mossa-Basha**, ACR Appropriateness Criteria Facilitate Judicious Use of CTA for Stroke Workup in the Emergency Department, **Association of University Radiologists Annual Meeting**, Philadelphia, PA, April 2020.
***ACR-AUR Research Scholar Recipient**
- 104) Hoff MN, Tesfaldet M, Clarke P, **Mossa-Basha M**, Brunquell CL, Cross NM, Generation of an infallible enterprise MRI safety policy and training framework, **Japanese Society of Medical Physicists**, Yokohama, Japan, 2020.
- 105) S. Moran, J. Hartman, J. Sharpe, **M. Mossa-Basha**, CT Perfusion for Acute Ischemic Stroke: An Institutional Experience of Implementing a Low Cardiac Output Acquisition Protocol, **ASNR**, Las Vegas, NV, June 2020.
- 106) B. Sannananja, C. Colip, D. Hippe, M. Ibrahim, T. Khrisat, J. Hartman, C. Zhu, J. Grinstead, **M. Mossa-Basha**, Accelerated Controlled Aliasing in Parallel Imaging T1-SPACE using Delay Alternating with Nutation for Tailored Excitation flow suppression, **ASNR**, Las Vegas, NV, June 2020.
- 107) B Sannananja, **M Mossa-Basha**, S Moorthy, N Kannan, K Agyem, A Lele, C Mock, R Pandey, H Dash, A Mahapatra, M Vavilala, D Gupta, Association between Head Computerized Tomography Findings and Long Term Outcomes in an Adult Indian Cohort with Severe Traumatic Brain Injury, **ASNR**, Las Vegas, NV, June 2020.
- 108) T Khrisat, M Ibrahim, L Call, J Morris, B Flaherty, Q Qiu, B Mills, M Vavilala, S Bratton, **M Mossa-Basha**, Characteristics of Pediatric Patients with Traumatic Epidural Hematomas Who Can Be Safely Observed: A Clinical Validation Study, **ASNR**, Las Vegas, NV, June 2020.

- 109) K. Han, L. Chen, D. Geleri, **M. Mossa-Basha**, T. Hatsukami, C. Yuan, Deep-learning based Significant Stenosis detection from MPR Images of traced Intracranial arteries, **ASNR**, Las Vegas, NV, June 2020.
- 110) APS Tong, **M Mossa-Basha**, AL Ko, Prediction of Outcomes From Laser Interstitial Thermal Therapy for Mesial Temporal Lobe Epilepsy Using Tractography, **American Society for Stereotactic and Functional Neurosurgery**, virtual poster, June 2020.
- 111) APS Tong, AL Ko, **M Mossa-Basha**, Prediction of Outcomes From Laser Interstitial Thermal Therapy for Mesial Temporal Lobe Epilepsy Using Tractography, **American Epilepsy Society 2020**, Virtual Event, December 2020.
- 112) S. Ahmad, **M. Mossa-Basha**, M. Oztekma, J. Hartman, S. Gaddikeri, A Comparison of CT-Guided Bone Biopsy and Fluoroscopic-Guided Disc Aspiration as Diagnostic Methods in the Management of Spondylodiscitis, **ASNR**, San Francisco, CA, May 2021.
- 113) S. Eversman, R. E. Sharpe JR, B. K. Patel, R. Lorans, V. J. Pizzitola, C. O. Menias, C. G. Filippi, **M. Mossa-Basha**, The Global Impact of The Covid-19 Pandemic on Medical Students Seeking A Career In Radiology: Current State, Strategic Adaptations And Additional Investments Needed To Ensure A Pipeline Of Future Radiologists, **RSNA**, Chicago, IL, December 2021.
- 114) Li Chen, Wenjin Liu, Niranjana Balu, **Mahmud Mossa-Basha**, Thomas S. Hatsukami, Jenq-Neng Hwang, Chun Yuan. Deep Open Snake Tracker for Vessel Tracing. **MICCAI 2021**, the 24th International Conference on Medical Image Computing and Computer Assisted Intervention, 2021, Strasbourg, France, September 2021.
- 115) C Zhu, H Kang, D Tian, **M Mossa-Basha**, M Levitt, D Hasan, X Yang, Y Zhang, A randomized controlled trial of statins to reduce inflammation in cerebral aneurysms using vessel wall MRI, **ISMRM**, London, England, May 2022.
- 116) M. Aksakal, D. Chang, C. Zhu, M. Levitt, **M. Mossa-Basha**, Endovascularly treated aneurysm vessel wall MRI characteristics and association with symptomatic vasospasm and delayed cerebral infarction, **SMRA**, Los Angeles, CA, August 2022.
- 117) N. Zanaty, M. Aksakal, N. Balu, C. Yuan, G. Canton, T. Hatsukami, D. Baylam, **M. Mossa-Basha**, Added Value of Intracranial Vessel Wall Magnetic Resonance Imaging Across Stenosing Vasculopathies on a Per-Patient Basis, **SMRA**, Los Angeles, CA, August 2022.
- 118) L. Wang, B. Sun, M. Orouskhani, C. Gu, **M. Mossa-Basha**, Y. Zhou, J. Xu, C. Zhu, H. Zhao, Identification of intracranial atherosclerotic plaque features

associated with recurrent stroke: a multi-modality imaging study using CTA and vessel wall MRI, **SMRA**, Los Angeles, CA, August 2022.

- 119) M. Orouskhani, D. Chang, **M. Mossa-Basha**, C. Zhu, Intracranial Aneurysm Segmentation from Highly Imbalanced 3D TOF-MRA Images using Evolving Hybrid Focal loss-based Deep Learning, **SMRA**, Los Angeles, CA, August 2022.
- 120) C. Zhu, H. Kang, D. Tian, B. Sui, **M. Mossa-Basha**, M.R. Levitt, D. Hasan, X. Yang, Y. Zhang, A randomized controlled trial of statins to reduce inflammation in unruptured cerebral aneurysms using high resolution vessel wall MRI, **SMRA**, Los Angeles, CA, August 2022.
- 121) Y. Guo, G. Canton, N. Balu, **M. Mossa-Basha**, T. Hatsukami, C. Yuan, Semi-automatic Normalization and Segmentation of Contrast Enhancement in Intracranial Atherosclerotic Vessel Wall Imaging, **SMRA**, Los Angeles, CA, August 2022.
- 122) M. Adin, I. Edvin, J. Wu, C. Civan, D. Simsek, **M. Mossa-Basha**, D. Pucar, Reactive Axillary Lymph Nodes in COVID-19 Vaccine Recipients, **ARRS**, Honolulu, HI, April 2023.
- 123) Y. Guo, G. Canton, D. Baylam Geleri, N. Balu, D. Tirschwell, T.S. Hatsukami, C. Yuan, **M. Mossa-Basha**, Longitudinal Evaluation of Atherosclerosis Evolution on Intracranial Vessel Wall MRI Reveals Lumen-Side Arterial Wall Remodeling with Plaque Progression and Regression, **International Stroke Conference**, Dallas, TX, Feb 2023.
- 124) **M. Mossa-Basha**, G. Canton, Z. Zhou, R. Chamberlain, A. Shankaranarayanan, Evaluation of Deep Learning Enhanced CAIPI Accelerated Contrast-Enhanced 3D T1 SPACE Compared to Standard 3D T1 SPACE for Neurovascular Imaging, **ASNR**, Chicago, IL, May 2023.
- 125) Y. Guo, G. Canton, T. Hatsukami, C. Yuan, **M. Mossa-Basha**, Longitudinal Evaluation of Atherosclerosis Evolution on Intracranial Vessel Wall MRI Reveals Lumen-Side Arterial Wall Remodeling with Plaque Progression and Regression, **ASNR**, Chicago, IL, May 2023.
- 126) À. Rovira, C. Auger, **M. Mossa-Basha**, S. Sceppacuercia, C. Tortajada, S. Sarria, S. Siurana, E. Rodríguez, M. Castillo, Primary Angiitis of the Central Nervous System (PACNS): radiological features and differential diagnosis, **ASNR**, Chicago, IL, May 2023.
- 127) Y. Guo, X. Wang, G. Canton, D. Geleri, K. Zhang, N. Balu, **M. Mossa-Basha**, T. Hatsukami, C. Yuan, Construction of a Contrast Enhancement Map of Intracranial Vessel Wall MRI with 3D Volume Rendering, **ISMRM**, Toronto, ON, Canada, June 2023.

- 128) X. Wang, Y. Guo, K. Zhang, G. Canton, N. Balu, T.S. Hatsukami, **M. Mossa-Basha**, C. Yuan, Improving interpretation accuracy for curved planar reformation of intracranial vessel wall MRI by reducing intra-plane rotation, **ISMRM**, Toronto, ON, Canada, June 2023.
- 129) K. Zhang, X. Wang, Y. Guo, G. Canton, N. Balu, T. Hatsukami, **M. Mossa-Basha**, C. Yuan, Intracranial Arterial Calcification & Cerebral Blood Flow: A Pilot Study, **Biomechanics in Vascular Biology and Disease**, South Hadley, MA, August 2023.
- 130) A. Mahdavi, A. Nabipoorashrafi, N. Firoozeh, Z. Chakeri, G. Romero-Sanchez, **M. Mossa-Basha**, A. Bedayat, H. Chalian, Imaging Vasculitis: A One-Stop-Shop for Radiologists, **North American Society of Cardiovascular Imaging**, September 2023.
- 131) A. Nabipoorashrafi, A. Mahdavi, J. Medverd, **M. Mossa-Basha**, H. Chalian, Impact of an AI based Triage and Prioritization solution for incidental Pulmonary Embolism findings on contrast CT in an Outpatient setting, **North American Society of Cardiovascular Imaging**, September 2023.
- 132) M.H. Nguyen, S.N. Swensen, C.M. Colbert, A.G. Amin, P.A. Sponseller, D. Melancon, S.K. Schaub, Y.D. Tseng, M.H. Blau, L.M. Halasz, J.T. Yang, R. Rengan, C. Bloch, **M. Mossa-Basha**, C.P. Hofstetter, S.S. Lo, Dosimetric Impact of Radiolucent Carbon Fiber Hardware for Post-Operative Spine Stereotactic Body Radiation Therapy, **American Society for Radiation Oncology (ASTRO)**, San Diego, CA, October 2023.
- 133) M. Orouskhani, H Wang, **M Mossa-Basha**, C Zhu, nnU-Net Deep Learning with Vessel Information for Intracranial Aneurysm Segmentation on 3D TOF-MRA, **SMRA**, Sendai, Japan, October 2023.
- 134) A. Mahdavi, J. Medverd, K.F. Linnau, N. Firoozeh, D. Parmar, **M. Mossa-Basha**, D.V. Sahani, Integrating Medical AI Tools into Radiology Practice: A Step-by-Step Guide, **American Society of Emergency Radiology**, San Diego, CA, October, 2023.
- 135) A. Nabipoorashrafi, A. Mahdavi, J. Medverd, **M. Mossa-Basha**, H. Chalian, Impact of an AI based Triage and Prioritization solution for incidental Pulmonary Embolism findings on contrast CT in an Outpatient setting, **RSNA**, Chicago, IL, December 2023.
- 136) A. Mahdavi, N. Firoozeh, A. Nabipoorashrafi, Z. Chakeri, G. Romero-Sanchez, **M. Mossa-Basha**, A. Badayat, H. Chalian, A to Z of Whole-Body Vasculitis Imaging: A Comprehensive Review for Radiologists, **RSNA**, Chicago, IL, December 2023.

- 137) Y. Guo, E Akcicek, DS Hippe, SK Hashemizadeh, G Canton, H Akcicek, X Wang, K Zhang, N Balu, **M Mossa-Basha**, TS Hatsukami, C Yuan, Longitudinal Evaluation of Vessel Wall MRI Demonstrates Bilaterally Symmetric Evolution of Carotid Atherosclerosis, **International Stroke Conference**, Phoenix, AZ, Feb 2024.
- 138) LR Klein, D Tirschwell, D Hippe, B Haines, N Balu, TS Hatsukami, C Yuan, M Kharaji, NW Akoum, E Lila, **M Mossa-Basha**, Using Clinical Data to Reclassify ESUS Patients to Either Large Artery Atherosclerotic or Cardioembolic Stroke Mechanisms, **International Stroke Conference**, Phoenix, AZ, Feb 2024.
- 139) S.N. Swensen, M.H. Nguyen, C.M. Colbert, P.A. Sponseller, D. Melancon, **M. Mossa-Basha**, C.P. Hofstetter, A.G. Amin, S.S. Lo, Radiolucent Carbon Fiber Hardware for Oncologic Stabilization of Spinal Metastases Impacts Post-Operative Stereotactic Body Radiotherapy Dosimetry, **Radiosurgery Society Annual Meeting**, Chicago, IL, March 2024.
- 140) Manasewitsch NT, Chorath K, Venugopal N, Buttar A, Babatunde A, **Mossabasha M**, Validation of a Deep Learning Algorithm in Detecting Acute Cervical Spine Fractures on CT, **ARRS**, Boston, MA, May 2024.

VIII. Lectures and Educational Activities

Visiting Professorships

- 1) **Mossabasha M**, *Imaging of Spinal Vascular Malformations*, **University of Washington**, Division of Neuroradiology, November 2011.
- 2) **Mossabasha M**, *Advanced Imaging Techniques of Cerebral Arteriovenous Malformations*, **University of Maryland**, Department of Radiology, Division of Neuroradiology, June 2012.
- 3) **Mossabasha M**, *Imaging of Brain Tumors*, **Henry Ford Health System**, Department of Radiology, Detroit, MI, July 2012.
- 4) **Mossabasha M**, *Sinonasal Imaging*, **University of Vermont**, Department of Radiology, Burlington, VT, May 2013.
- 5) **Mossabasha M**, *Intracranial Vessel Wall Imaging*, **University of Vermont**, Department of Radiology, Burlington, VT, May 2013.
- 6) **Mossabasha M**, *Added Value and Applications of Intracranial Vessel Wall Imaging*, **Duke University Neuroradiology Rounds**, Durham, NC, August 2016.

- 7) **Mossa-Basha M**, *Intracranial Vessel Wall Imaging: Imaging Beyond the Lumen*, Neuroradiology Section, **University of North Carolina**, Chapel Hill, NC, August 2016.
- 8) **Mossa-Basha M**, Intracranial Vessel Wall Imaging, **University of Calgary Department of Radiology**, Calgary, Canada, Oct. 22 2018.
- 9) **Mossa-Basha M**, Intracranial Vessel Wall Imaging, **University of Pittsburgh**, Department of Radiology, Pittsburgh, PA, April 5 2019.
- 10) **Mossa-Basha M**, Intracranial Vessel Wall Imaging, **Baptist Neurological Institute, Innovations in Cerebrovascular Science Conference**, April 4 2019.
- 11) **Mossa-Basha M**, Vessel Wall MRI: Techniques and Applications, **Massachusetts General Hospital**, Boston, MA, November 2019.
- 12) **Mossa-Basha M**, Intracranial Vessel Wall Imaging, **Barrow Neurological Institute**, Phoenix, AZ, November 2019.
- 13) **Mossa-Basha M**, Intracranial Vessel Wall MRI: Techniques, Applications and Future Directions, **University of North Carolina**, Chapel Hill, NC, December, 2019.
- 14) **Mossa-Basha M**, Radiology Preparedness in the COVID-19 Pandemic, **NIH Department of Radiology and Imaging Sciences**, Bethesda, MD, April 2020.
- 15) **Mossa-Basha M**, Radiology Imaging in COVID-19: Techniques for Healthcare Worker Protection, **Indiana University Kokomo Technologist Grand Rounds**, Kokomo, IN, April 2020.
- 16) **Mossa-Basha M**, Journal Club: Intracranial Vessel Wall Imaging, **Boston University Medical Center**, June 2020.
- 17) **Mossa-Basha M**, Ain Shams University, **ASNR International Outreach Program- Egypt**, Cairo, Egypt, September 2020. Lectures given: DTI of the spine, Intracranial Vessel Wall MRI, Odontogenic Disease, Thyroid/Parathyroid Imaging, Sinus Imaging, Intradural Intramedullary Spine, Intradural Extradural Spine, Extradural Spine, Degenerative Spine Disease, Traumatic Brain Injury, TBD.
- 18) **Mossa-Basha M**, Journal Club: Financial and Workflow Impacts of COVID-19, **ACR RFS Economics Subcommittee**, September 23, 2020.
- 19) **Mossa-Basha M**, Intracranial Vessel Wall Imaging, **Mayo Clinic Jacksonville**, October 19, 2020.

- 20) **Mossa-Basha M**, Intracranial Vessel Wall Imaging, Neurovascular Research Rounds, **Mayo Clinic Rochester**, April 1, 2021.
- 21) **Mossa-Basha M**, Intracranial Vessel Wall Imaging, Stroke Neurology Grand Rounds, **Calgary University**, April 15, 2021.
- 22) **Mossa-Basha M**, Stroke and Neurovascular Imaging, Radiology Grand Rounds, **University of North Carolina**, May 4, 2021.
- 23) **Mossa-Basha M**, Intracranial Vessel Wall Imaging, Neurology Grand Rounds, **Boston University**, January 18, 2022.
- 24) **Mossa-Basha M**, Vessel Wall Imaging: Techniques, Applications and Clinical Value, **Seattle Science Foundation Tv, Swedish Neurological Institute**, March 9, 2022.
- 25) **Mossa-Basha M**, Intracranial Vessel Wall MRI: Techniques, Applications and Evidence, **The Gelman Stroke & Cerebrovascular Disease Research & Network Symposium, Duke University**, JB Duke Hotel, Durham, NC, April 16, 2022.
- 26) **Mossa-Basha M**, Intracranial Vessel Wall MRI in the Clinical Environment, Neuroradiology Grand Rounds, **Medical College of Wisconsin**, Milwaukee, WI, April 27, 2022.
- 27) **Mossa-Basha M**, Intracranial Vessel Wall Imaging, Neuroradiology Grand Rounds, **New York University**, June 15, 2022.
- 28) **Mossa-Basha M**, Intracranial Vessel Wall Imaging, Duke Radiology Grand Rounds, **Duke University**, Durham, NC, September 29, 2022.

Invited National or International Lectures

- 1) **Mossa-Basha M**, *Intracranial Vessel Wall Imaging: Added Value, Techniques and Applications*, **Siemens International MRI Research and Development Conference**, September 2014.
- 2) **Mossa-Basha M**, *Vascular Calcifications: Role of Intracranial Vessel Wall Imaging*, **American Heart Association Scientific Sessions Meeting**, Chicago, IL, November 2014.
- 3) **Mossa-Basha M**, *Diffusion Tensor Imaging as a Prognostic Tool for Traumatic Cervical Spinal Cord Injury*, **Association of University Radiologists (AUR) Annual Meeting**, New Orleans, LA, April 2015.

- 4) **Mossa-Basha M**, *Vessel Wall MR: Imaging Beyond the Lumen*, **American Society of Neuroradiology (ASNR) How-To Session**, Chicago, IL, April 2015.
- 5) **Mossa-Basha M**, *Imaging of Moyamoya Disease and Syndrome*, **ASNR Vessel Wall Imaging Study Group**, Chicago, IL, April 2015.
- 6) **Mossa-Basha M**, *Practice Update: Neuroimaging*, **Neurocritical Care Society Annual Meeting**, Scottsdale, AZ, Oct. 2015.
- 7) **Mossa-Basha M**, *Off the Wall Imaging: Novel Intracranial Vasculopathy Assessment*, **Biomedical Imaging Center MR Symposium, University of Washington**, Seattle, WA, Oct. 2015.
- 8) **Mossa-Basha M**, *DTI of the Spine for Prognostication of Acute Traumatic Cervical Spinal Cord Injury*, **AUR GERRAF Retreat**, San Diego, CA, Feb. 2016.
- 9) **Mossa-Basha M**, *Diffusion Tensor Imaging As a Tool in Spine Trauma Evaluation*, **American Society of Spine Radiology (ASSR)**, Bonita Springs, FL, Feb. 2016.
- 10) **Mossa-Basha M**, *Intracranial Vessel Wall Imaging*, **ASNR**, Washington, DC, May 2016.
- 11) **Mossa-Basha M**, *Evidence Based Medicine: Vessel Wall Imaging of Blunt Cerebrovascular Injury*, **ASNR**, Washington, DC, May 2016.
- 12) **Mossa-Basha M**, *Intracranial Vessel Wall Imaging*, **Radiological Society of North America (RSNA)**, Chicago, IL, Dec. 2016.
- 13) **Mossa-Basha M**, *DTI of the Spine for Prognostication of Acute Traumatic Cervical Spinal Cord Injury*, **AUR GERRAF Retreat**, San Diego, CA, Feb. 2017.
- 14) **Mossa-Basha M**, *Advances in Diffusion Imaging of the Spine*, **ASSR**, San Diego, CA, Feb. 2016.
- 15) **Mossa-Basha M**, *Intracranial Vessel Wall Imaging*, **International Society of Magnetic Resonance in Medicine (ISMRM)**, Honolulu, HI, April 2017.
- 16) **Mossa-Basha M**, *Diffusion Tensor Imaging of the Spine*, **ASNR**, Long Beach, CA, April 2017.
- 17) **Mossa-Basha M**, *Compressed Sensing for MRI*, **ISMRM**, Honolulu, HI, April 2017.

- 18) **Mossa-Basha M**, *Intracranial Vessel Wall MRI*, **Western Neuroradiological Society**, Kauai, HI, October 2017.
- 19) **Mossa-Basha M**, *Intracranial Vessel Wall MRI*, **Radiological Society of North America**, Chicago, IL, December 2017.
- 20) **Mossa-Basha M**, *Oncodiagnosis: Imaging of Spinal Metastases*, **Radiological Society of North America**, Chicago, IL, December 2017.
- 21) **Mossa-Basha M**, *Small Grant Opportunities for Young Investigators*, **Radiological Society of North America**, Chicago, IL, December 2017.
- 22) **Mossa-Basha M**, *DTI of the spinal cord in Spinal Cord Injury*, **AUR GERRAF Retreat**, La Jolla, CA, February 2018.
- 23) **Mossa-Basha M**, *Vessel Wall MRI*, **American Roentgen Ray Society**, Washington, DC, April 2018.
- 24) **Mossa-Basha M**, *Evidence for Spine DTI and How To Do It Well*, **ASNR**, Vancouver, BC, Canada, June 2018.
- 25) **Mossa-Basha M**, *Evidence for Vessel Wall Imaging in Acute Ischemic Stroke*, **ASNR**, Vancouver, BC, Canada, June 2018.
- 26) **Mossa-Basha M**, *Multi-Contrast Vessel Wall Imaging*, **ASNR**, Vancouver, BC, Canada, June 2018.
- 27) **Mossa-Basha M**, *Introduction to Academic Radiology: Small Grant Opportunities for Trainees*, **RSNA**, Chicago, IL, November 2018.
- 28) **Mossa-Basha M**, *Big Data and Research: Managing Large Databases- Research in Blunt Cerebrovascular Imaging*, **AIRP VOICE**, Washington DC, February 2019.
- 29) **Mossa-Basha M**, *Research in Technology Assessment: Establishing Yourself in a New Space*, **AIRP VOICE**, Washington DC, February 2019.
- 30) **Mossa-Basha M**, *Is DTI the Missing Link for Spinal Cord Injury?* **ASSR**, Miami, FL, February 22, 2019.
- 31) **Mossa-Basha M**, *Neuroimaging in Acute Stroke: MRI*, **Society of Interventional Radiology**, Austin, TX, March 27, 2019.
- 32) **Mossa-Basha M**, *Research in Technology Assessment: Establishing Yourself in a New Space: Intracranial Vessel Wall MRI*, **AIRP VOICE**, Washington DC, October 2019.

- 33) **Mossa-Basha M**, *Big Data and Research: Managing Large Databases- Research in Blunt Cerebrovascular Imaging*, **AIRP VOICE**, Washington DC, October 2019.
- 34) **Mossa-Basha M**, *DTI of the Spinal Cord*, **ASFNR**, San Francisco, CA, November, 2019.
- 35) **Mossa-Basha M**, *Computational Fluid Dynamics and Aneurysm Wall Mechanobiology: Correlations Between CFD, MRI Vessel Wall Imaging and Histology*, Mini-Symposium: Fluid Dynamics in the Clinical Management of Intracranial Aneurysms, **72nd Annual Meeting of the American Physical Society Division of Fluid Dynamics**, Seattle, WA, Nov. 2019.
- 36) **Mossa-Basha M**, *MR Imaging in Stroke*, **Health4theWorld Grand Rounds- Lecture for African residents, fellows and faculty**, Feb. 2020.
- 37) **Mossa-Basha M**, Watanabe L, Go J, Acharya J, Ortiz O, Lawler G, *Spinal Jeopardy Game Show*, **ASSR Annual Symposium**, Dana Point, CA, Feb 2020.
- 38) **Mossa-Basha M**, *Advanced Spinal Cord Imaging*, **ASSR Annual Symposium**, Dana Point, CA, Feb 2020.
- 39) **Mossa-Basha M**, *Neuroimaging in Acute Stroke: MRI*, **Society of Interventional Radiology**, virtual presentation, April 1, 2020.
- 40) **M. Mossa-Basha**, C. Meltzer, W. Dillon, J. Brink, J. Borgstede, *COVID-19: Health4theWorld Leadership Panel*, **Health4theWorld**, April 24, 2020.
- 41) **Mossa-Basha M**, *Radiology Preparedness in the Age of COVID*, **AuntMinnie.com**, virtual meeting, May 1, 2020.
- 42) **Mossa-Basha M**, *Vessel Wall Imaging*, **American Roentgen Ray Society**, Virtual presentation, May 2020.
- 43) **Mossa-Basha M**, *Vessel Wall Imaging Survey Results*, **American Society of Neuroradiology**, Virtual presentation, June 4, 2020.
- 44) **Mossa-Basha M**, *Disruption on Academic Practice and Research*, **ISMRM**, Virtual presentation, August 13, 2020.
- 45) **Mossa-Basha M**, *Disruption on Academic Practice and Research*, **ISMRM**, Virtual presentation, August 14, 2020.

- 46) **Mossa-Basha M**, *Financial and Operational Impact of COVID-19 and Responses in Radiology*, **Health Connect Partners Radiology Virtual Conference**, September 30, 2020.
- 47) **Mossa-Basha M**, *New Kids on the Block - The Latest and Greatest in Vascular Imaging*, **Western Neuroradiological Society Annual Meeting**, October 2020.
- 48) **Mossa-Basha M**, *Intracranial Vessel Wall MRI: Techniques, Value and Applications*, **The 36th Annual Meeting of the Japanese Society for Neuroendovascular Therapy (JSNET2020)**, Kyoto, Japan, Nov. 19-21, 2020.
- 49) **Mossa-Basha M**, *Intracranial Vessel Wall MRI in Stroke*, **RSNA Stroke Session**, December 2020.
- 50) **Mossa-Basha M**, *Imaging in the Fastlane: Increasing MRI Efficiency and Workflows*, **AHRA: The Association for Medical Imaging Management**, February 2021.
- 51) **Mossa-Basha M**, *Imaging Biomarkers in Spinal Cord Injury*, **ASSR**, Virtual Meeting, February 2021.
- 52) **Mossa-Basha M**, *Disruptions & Opportunities in Training & Early Career During a Pandemic*, Course: SARS-CoV-2: What We Know, Lessons Learned & Where We May Be Headed: Disparities & Misdirection in a Pandemic, **ISMRM**, Vancouver, BC, Canada, May 2021.
- 53) **Mossa-Basha M**, *Vessel Wall Imaging: Extracranial*, Course: Vascular Pathology & Imaging, **ISMRM**, Vancouver, BC, Canada, May 2021.
- 54) **Mossa-Basha M**, *MRI and MR Perfusion in Acute Stroke*, **Society of Interventional Radiology**, Virtual Meeting, March 2021.
- 55) **Mossa-Basha M**, *Radiology Preparation for the Next Pandemic*, **Korean Congress of Radiology**, Seoul, Korea, September 1-4, 2021.
- 56) **Mossa-Basha M**, *Workflow Changes During COVID-19 and Post-COVID*, **Korean Congress of Radiology**, Seoul, Korea, September 1-4, 2021.
- 57) **Mossa-Basha M**, *Opening Introduction: KCR-RSNA Joint Symposium, COVID*, **Korean Congress of Radiology**, Seoul, Korea, September 1-4, 2021.
- 58) **Mossa-Basha M**, *Clinical Implications of Vessel Wall Imaging and Applications*, **Society of Magnetic Resonance Angiography**, Tshinghua, China, September 10-12, 2021.

- 59) **Mossa-Basha M**, Saloner D, Balu N, Automated Vessel Segmentation: Grand Challenge Session, **Society of Magnetic Resonance Angiography**, Tshinghua, China, September 10-12, 2021.
- 60) **Mossa-Basha M**, Yuan C, Parker D, Fireside Chat: A Career in Vascular MRI, **Society of Magnetic Resonance Angiography**, Tshinghua, China, September 10-12, 2021.
- 61) **Mossa-Basha M**, DTI Characterization of Spinal Cord Injury, **ASFNR**, Santa Fe, NM, September 21, 2021.
- 62) **Mossa-Basha M**, Vessel Wall Imaging in Stroke, **Western Neuroradiological Society**, Reno, NV, October 6-10, 2021.
- 63) **Mossa-Basha M**, Balu N, Automated Vessel Segmentation: Approaches and Value, **MICCAI 2021**, Strassbourg, France, October 2021.
- 64) **Mossa-Basha M**, Using Incidental Findings Detection and Recommendations to Measure Quality of Care, **ACR 2021 Annual Conference on Quality and Safety**, virtual, October 14-16, 2021.
- 65) **Mossa-Basha M**, Intracranial Vessel Wall MRI for Evaluation of Cerebrovascular Disease, **Mexican Neurological Society XLV Annual Meeting**, Mexico City, Mexico, November 2021.
- 66) **Mossa-Basha M**, Vessel Wall Imaging, Advanced Cerebrovascular Imaging, **RSNA**, Chicago, IL, November 27-December 2, 2021.
- 67) **Mossa-Basha M**, Workflow Changes During and Post-COVID-19, **RSNA**, Chicago, IL, November 27-December 2, 2021.
- 68) **Mossa-Basha M**, Intracranial Vessel Wall MRI, **Society of Cardiovascular MRI**, Virtual Meeting, Feb 2-5, 2022.
- 69) **Mossa-Basha M**, Diffusion Imaging in Spine Trauma: Realistic Biomarker?, **ASSR**, Austin, TX, February 2022.
- 70) **Mossa-Basha M**, The Benefits and Applications of Intracranial Vessel Wall Imaging in Clinical Practice, Keynote lecture, **ARRS**, New Orleans, LA, May 1-5, 2022.
- 71) **Mossa-Basha M**, Use of DTI in Spinal Cord Injury, **ASNR**, New York City, NY, May 15, 2022.
- 72) **Mossa-Basha M**, Practical Vascular Anatomy for Cross-Sectional Imaging, **ASNR**, New York City, NY, May 14, 2022.

- 73) **Mossa-Basha M**, Wasserman B, Saloner D, Matouk C, Savastano L, Amans M, DeMarco K, Vessel Wall Imaging Case Review Panel, **ASNR**, New York City, NY, May 2022.
- 74) **Mossa-Basha M**, Dizziness: The Role of Brain MRI and MRA, **ASNR**, New York City, NY, May 16, 2022.
- 75) **Mossa-Basha M**, MRI for AIS Workup, **Society of Interventional Radiology**, Boston, MA, June, 2022.
- 76) **Mossa-Basha M**, Haas B, Anh-Do P, Irani N, Post Pandemic Operations: Scheduling and Workflow, **Learning Community in Radiology**, Virtual Meeting, July 20, 2022.
- 77) **Mossa-Basha M**, Intracranial Vessel Wall Imaging: Interpretation and Potential Pitfalls, **NeuroRadRecife**, Recife, Brazil, August 13, 2022.
- 78) **Mossa-Basha M**, Vessel Wall Imaging in Stroke and Hemorrhage Assessment, **NeuroRadRecife**, Recife, Brazil, August 13, 2022.
- 79) **Mossa-Basha M**, Stroke Imaging, **NeuroRadRecife**, Recife, Brazil, August 13, 2022.
- 80) **Mossa-Basha M**, Intracranial and extracranial vessel wall MRA utilization trends, New Horizons Session, **Society of Magnetic Resonance Angiography**, Los Angeles, CA, Aug 23-26, 2022.
- 81) **Mossa-Basha M**, Clinical Applications of Intracranial Vessel Wall MRI, **ASFNR**, Maui, HI, August 26-30, 2022.
- 82) **Mossa-Basha M**, Haas B, Anh-Do P, Irani N, Best Practices in IT and Informatics, **Learning Community in Radiology**, Virtual Meeting, September 23, 2022.
- 83) **Mossa-Basha M**, Intracranial Vessel Wall Imaging, **VIL 25th Anniversary Symposium: The Foundations and Future of Vessel Wall Imaging**, Seattle, WA, September 23, 2022.
- 84) **Mossa-Basha M**, Intracranial Vessel Wall Imaging: Clinical Applications and Implications for Neurologists, **XLVI Annual Congress of the Mexican Academy of Neurology**, Leon Guanajuato, Mexico, October 30-November 5, 2022.

- 85) **Mossa-Basha M**, Haas B, Anh-Do P, Irani N, Staffing Challenges Facing Radiology Departments and AI's Role in Managing, **Learning Community in Radiology**, Virtual Meeting, November 22, 2022.
- 86) **Mossa-Basha M**, High-Resolution Intracranial Vessel Wall Imaging for Stroke Prevention: Ready for Prime Time?, **RSNA**, Chicago, IL, December 2022.
- 87) **Mossa-Basha M**, Advanced Imaging of Spine Oncology, **American Society of Spine Radiology**, Charleston, SC, February 11, 2023.
- 88) **Mossa-Basha M**, WALLI and intracranial vessel wall imaging, **Utah Vascular Imaging Research Symposium**, Cottonwood Heights, UT, March 3-5, 2023.
- 89) **Mossa-Basha M**, Cord injuries and evaluation - advanced imaging, **American Roentgen Ray Society**, Honolulu, HI, April 16-20, 2023.
- 90) **Mossa-Basha M**, Managing the Iodinated Contrast Shortage, **American Roentgen Ray Society**, Honolulu, HI, April 16-20, 2023.
- 91) **Mossa-Basha M**, Pros & Cons of Vessel Wall Imaging: Indications, Applications, Resource Allocation, **American Society of Neuroradiology**, Chicago, IL, May 2, 2023.
- 92) **Mossa-Basha M**, Managing the Iodinated Contrast Shortage, **American Society of Neuroradiology**, Chicago, IL, April 30-May 2, 2023.
- 93) **Mossa-Basha M**, Shortcomings of conventional aneurysm imaging and the value of advanced imaging for aneurysm and vasospasm management, **iSAH Annual Meeting**, June 16-18, 2023, Durham, NC.
- 94) **Mossa-Basha M**, Neurovascular Imaging, **Indian Academy of Neurology Annual Meeting**, August 2023, [IAN/Neuroradiology Course \(teledocket.com\)](https://www.teledocket.com/courses/IAN-Neuroradiology-Course).
- 95) **Mossa-Basha M**, Panel Discussion: Old and New Concepts of Carotid Disease, What are the Challenges, **Fil Rouge of Atherosclerosis**, Cagliari, Italy, October 2023.
- 96) **Mossa-Basha M**, Panel Discussion: Special Discussion on Carotid Plaque Imaging, **Fil Rouge of Atherosclerosis**, Cagliari, Italy, October 2023.
- 97) **Mossa-Basha M**, Panel Discussion: AI in Clinical Stroke Workflows, **The International Symposium on Thrombolysis Thrombectomy and Acute Stroke Therapy (TTST) and the Symposium on Collaterals**, Los Angeles, CA, October 2023.

- 98) **Mossa-Basha M**, Intracranial Vessel Wall Imaging, **Southeastern Neuroradiological Society**, Hilton Head, SC, Oct 19-21, 2023.
- 99) **Mossa-Basha M**, Brain MRI Imaging Acceleration and Improved MRI Efficiency, **Mumbai MRI Teaching Conference**, Mumbai, India, Nov 4, 2023.
- 100) **Mossa-Basha M**, Clinical Applications and Value of Intracranial Vessel Wall MRI, **Mumbai MRI Teaching Conference**, Mumbai, India, Nov 4, 2023.
- 101) **Mossa-Basha M**, Protocol Optimizations of Intracranial Vessel Wall MRI, **Mumbai MRI Teaching Conference**, Mumbai, India, Nov 4, 2023.
- 102) **Mossa-Basha M**, Epilepsy MRI Imaging, **Mumbai MRI Teaching Conference**, Mumbai, India, Nov 4, 2023.
- 103) **Mossa-Basha M**, Stroke and Neurovascular MRI, **Mumbai MRI Teaching Conference**, Mumbai, India, Nov 4, 2023.
- 104) **Mossa-Basha M**, Advanced Neuroimaging Markers for Secondary Ischemic Stroke, **Radiological Society of North America**, Chicago, IL, December 2023.
- 105) **Mossa-Basha M**, Culprit Plaques, How Can We Find Them?, **International Stroke Conference**, February 7-9, 2024, Phoenix, AZ.
- 106) **Mossa-Basha M**, Pretreatment Imaging for Osseous Metastatic Disease, **American Society of Spine Radiology**, Las Vegas, NV, February 14-17, 2024.
- 107) **Mossa-Basha M**, Cerebrovascular Vessel Wall Imaging in Trauma, **ISMRM**, Singapore, May 2024.

CME Course Directorship

2018-2022	ACR Neuroradiology Review Course co-Director, Reston, VA
2020	RSNA Stroke Course Director
2020	RSNA COVID-19 Course Track Chair
2021	KCR COVID-19 Course Chair
2021	RSNA COVID-19 Imaging Practice Course Leader
2022	RSNA Stroke: Advances in Imaging in Stroke Prevention Course Leader
2022-	ACR Neuroradiology Review Course Chair
2023	RSNA Stroke Session

CME Course Involvement

- 1) **Mossa-Basha M**, *Intracranial Black Blood Imaging: Techniques and Applications*, **University of Washington**, Stroke Neurology Rounds, November 2012.

- 2) **Mossa-Basha M**, *Intracranial Black Blood Imaging: Indications, Technique and Potential Pitfalls*, Harborview Medical Center, **Technologist Rounds**, February 2013.
- 3) **Mossa-Basha M**, *Imaging of Neurodegenerative Disease and Dementia*, **UW Radiology Review Course "Not Just for Residents,"** March 10-14, 2013.
- 4) **Mossa-Basha M**, *Arterial Wall Imaging of Vasculitis*, **Northwest Rheumatism Society Meeting**, Seattle, WA, May 2013.
- 5) **Mossa-Basha M**, *Intracranial Vessel Wall MRI: Applications in the Neurocritical Care Setting*, **Neurocritical Care Research Series**, 6/2014.
- 6) **Mossa-Basha M**, *Imaging of Traumatic Cervical Spine Injury*, **ER Radiology Review Course**, 8/2013, 2014.
- 7) **Mossa-Basha M**, *Vascular Disease and Intracranial Hemorrhage*, **UW Radiology Review Course**, March 31-April 2, 2015.
- 8) **Mossa-Basha M**, Faculty, **ACR Review Course**, Neuroradiology, Reston, VA, Sept. 17-19 2015. Lectures given: Brain trauma imaging, spine trauma imaging, sinonasal imaging, spine- DJD, imaging of neurovascular disease and intracranial hemorrhage.
- 9) **Mossa-Basha M**, Traumatic and Atraumatic Spinal Cord Emergencies, **ER Radiology Review Course**, 8/2016.
- 10) **Mossa-Basha M**, Faculty, **ACR Review Course**, Neuroradiology, Reston, VA, May 18-20, 2017. Lectures given: Sinonasal imaging, spine trauma, neurovascular imaging, intradural intramedullary disease, brain tumor imaging.
- 11) **Mossa-Basha M**, Faculty, **ACR Review Course**, Neuroradiology, Reston, VA, December 11-13, 2017. Lectures given: Brain trauma, stroke imaging, intradural extramedullary disease, intradural intramedullary, extradural extramedullary disease.
- 12) **Mossa-Basha M**, Trauma Imaging of the Cervical Spine, **UW ER Radiology Review Course**, August 2018.
- 13) **Mossa-Basha M**, Faculty, **ACR Review Course**, Neuroradiology, Reston, VA, September 24-26, 2018. Lectures given: Brain trauma, stroke imaging, sinonasal imaging, spine- djd, extradural spine disease, spine trauma.
- 14) **Mossa-Basha M**, Course director, **ACR Review Course**, Neuroradiology, Reston, VA, December 10-12, 2018. Lectures given: Brain trauma, stroke

imaging, neurovascular imaging, congenital brain lesions, degenerative spine, spine trauma.

- 15) **Mossa-Basha M**, Course proctor, **ACR Head and Neck Review Course**, Melbourne, Australia, August 2019. Lectures given: Thyroid/Parathyroid Imaging, Brachial Plexus Imaging, Sinonasal Imaging, Cystic Masses of the Neck, External Ear Imaging, Internal/Middle Ear Imaging, Odontogenic Lesion Imaging, Orbital Imaging.
- 16) **Mossa-Basha M**, Course director, **ACR Review Course**, Neuroradiology, Reston, VA, September 25-27, 2019. Lectures given: White matter disease, Stroke imaging, Neurovascular imaging, Degenerative disease of the spine.
- 17) **Mossa-Basha M**, Course director, **ACR Review Course**, Neuroradiology, Reston, VA, December 9-11, 2019. Lectures given: white matter disease, neurovascular disease, congenital brain lesions, djd nomenclature, extradural non-djd, intradural intramedullary and intradural extramedullary spine.
- 18) **Mossa-Basha M**, Course Director, **ACR Virtual Mini-Courses**, Neuroradiology, December 14-16, 2021.
- 19) **Mossa-Basha M**, Course Director, **ACR Virtual Mini-Course**, Neuroradiology, March 8-9, 2021.
- 20) **Mossa-Basha M**, Course Director, **ACR Virtual Mini-Course**, Neuroradiology, June 2021.
- 21) **Mossa-Basha M**, Course Faculty, **ASNR Comprehensive Neuroradiology Course**, Chicago, IL, August 11-13, 2021.
- 22) **Mossa-Basha M**, Course Director, **ACR Virtual Mini-Course**, Neuroradiology, September 22, 23, 2021.
- 23) **Mossa-Basha M**, Course Faculty, **ASNR Comprehensive Neuroradiology Course**, Chicago, IL, September 15-17, 2022.
- 24) **Mossa-Basha M**, Course director, **ACR Review Course**, Neuroradiology, Reston, VA, December 12-14, 2022. Lectures given: white matter disease, neurovascular disease, brain tumor imaging, intradural intramedullary and intradural extramedullary spine.
- 25) **Mossa-Basha M**, Course director, **ACR Review Course**, Neuroradiology, Reston, VA, March 13-15, 2023. Lectures given: Brain tumor imaging, head and neck cancer imaging, White matter disease imaging, Sinonasal imaging, Stroke and cerebrovascular disease imaging.

- 26) **Mossa-Basha M**, Course director, **ACR Review Course**, Head and Neck, Reston, VA, June 12-14, 2023. Lectures given: Thyroid and parathyroid imaging, odontogenic imaging, PET/CT in head and neck cancer, orbital imaging, brachial plexus imaging, sinonasal imaging.
- 27) **Mossa-Basha M**, Course director, **ACR Review Course**, Neuroradiology, Reston, VA, September 11-13, 2023. Lectures given: Brain trauma imaging, head and neck adenopathy, Spine trauma, Congenital brain abnormalities, Stroke and cerebrovascular disease imaging.
- 28) **Mossa-Basha M**, Course director, **ACR Review Course**, Neuroradiology, Reston, VA, December 11-13, 2023. Lectures given: white matter disease, neurovascular disease, brain tumor imaging, intradural intramedullary and intradural extramedullary spine.

Moderator Activities

- 1) Young Professionals 2: Advanced Imaging: Starting Your Own Service, Moderators- **M. Mossa-Basha** and P. Turski, **ASNR**, Chicago, IL, April 2015.
- 2) The Merging of Anatomic and Functional Imaging: Part III Oncologic Applications, Moderators- **M. Mossa-Basha** and D.E. Applebaum, **ASNR**, Chicago, IL, April 2015.
- 3) Vascular Disease of the Head and Neck Scientific Session, Moderator- **M. Mossa-Basha**, **RSNA**, Chicago, IL, November 2015.
- 4) Women's Imaging; Neuroradiology, Moderators- **M. Mossa-Basha** and N. Winkler, **Association of University Radiologists**, San Diego, CA, March 2016.
- 5) GERRAF Research in Progress: Session I, Moderators- **M. Mossa-Basha**, F. Chokshi, S. Demehri, H. Umphrey, **Association of University Radiologists**, San Diego, CA, March 2016.
- 6) Evidence Based Medicine: Blunt Cerebrovascular Injury, Moderators- **M. Mossa-Basha** and Y. Anzai, **ASNR**, Washington, DC, May 2016.
- 7) GERRAF Research in Progress: Session I, Moderators- **M. Mossa-Basha**, P. Kim, J. Jarvik, **Association of University Radiologists**, Hollywood, FL, May 2017.
- 8) Advanced Imaging Techniques, Moderators- **M. Mossa-Basha**, J. Nickerson, A. Baig, **American Society of Functional Neuroradiology**, Portland, OR, Oct. 2017.

- 9) RAHSR Session, Association of University Radiologists, Moderators- **M. Mossa-Basha**, S. Kang, **AUR**, Baltimore, MD, April 9, 2019.
- 10) RSNA Stroke Session, Moderators- **M. Mossa-Basha**, Ajay Gupta, **RSNA**, Chicago, IL, December 2020.
- 11) Hot Topic Session: Neurological and Neuroimaging Manifestations of COVID-19, Moderators- **M. Mossa-Basha**, D. Shatzkes, **RSNA**, Chicago, IL, December 2020.
- 12) Hot Topic Session: Department Readiness for Disasters-Lessons Learned from COVID, Moderators- **M. Mossa-Basha**, B.S. Tan, **RSNA**, Chicago, IL, December 2020.
- 13) ASNR Evidence Based Medicine Session, Intracranial Vessel Wall Imaging, Moderators- **Mahmud Mossa-Basha**, Hadiyah Baradan, **ASNR**, San Francisco, CA, May 2021.
- 14) Vascular Imaging, Moderators- **Mahmud Mossa-Basha**, Jason Allen, Bhagya Sannananja, **ASFNR**, Santa Fe, New Mexico, Sept 18-21-2021.
- 15) Radiology in the Era of COVID-19- **Mahmud Mossa-Basha**, Jin-Young Choi, **Korean Congress of Radiology**, Seoul, Korea, September 2021.
- 16) Post-COVID Vaccination and Radiology- **Mahmud Mossa-Basha**, Jin-Young Choi, **Korean Congress of Radiology**, Seoul, Korea, September 2021.
- 17) Advanced Cerebrovascular Imaging- **Mahmud Mossa-Basha**, **RSNA**, Chicago, IL, November 27-December 2, 2021.
- 18) Covid Conundra: Imaging Practice during the Covid-19 Pandemic, **Mahmud Mossa-Basha**, Max Rosen, **RSNA**, Chicago, IL, November 27-December 2, 2021.
- 19) Neuroradiology: Imaging Tools and Techniques, Wende Gibbs and **Mahmud Mossa-Basha**, **ARRS**, New Orleans, LA, May 2022.
- 20) Brain: Development, Anatomy, Function, and Lesions: Vasculature, **Mahmud Mossa-Basha**, Kambiz Nael, Maria de Fatima Viana Basco, **ASNR**, New York City, NY, May 2022.
- 21) **Mahmud Mossa-Basha**, Ye Qiao, Scientific Session II: Vessel Wall MRI, **Society of Magnetic Resonance Angiography**, Los Angeles, CA, Aug 23-26, 2022.

- 22) **Mahmud Mossa-Basha**, Rene Botnar, Anthony Christodoulou, Scientific Session VI: Technical and clinical challenges, **Society of Magnetic Resonance Angiography**, Los Angeles, CA, Aug 23-26, 2022.
- 23) Diffusion Weighted Imaging, **Mahmud Mossa-Basha** and Frank Yu, **ASFNR**, Maui, HI, August 2022.
- 24) Stroke: Advances in Imaging for Stroke Prevention, **Mahmud Mossa-Basha**, **RSNA**, Chicago, IL, December 2022.
- 25) Neuroradiology Brain: Vascular/Stroke (Diagnosis and Treatment), **Mahmud Mossa-Basha**, **RSNA**, Chicago, IL, December 2022.
- 26) Evidence Based Medicine: Idiopathic Intracranial Hypertension: The Role of the Neuroradiologist, **Mahmud Mossa-Basha**, **ASNR**, Chicago, IL, May 2023.
- 27) Vascular Disease, **Mahmud Mossa-Basha**, **ASNR**, Chicago, IL, May 2023.
- 28) Stroke Imaging, **Mahmud Mossa-Basha**, **RSNA**, Chicago, IL, December 2023.
- 29) Imaging Biomarkers of Aneurysm Biology, **Mahmud Mossa-Basha**, **International Stroke Conference**, Phoenix, AZ, February 7-9, 2024.

Local Lectures

- 1) **Mossa-Basha M**, *Black Blood MRI: Imaging Beyond the Lumen*, Radiology Imaging Research Grand Rounds, **University of Washington**, 1/2014.
- 2) **Mossa-Basha M**, *Diffusion Tensor Imaging as a Prognostic Tool for Traumatic Cervical Spinal Cord Injury*, **Spinal Cord Injury Models System Research Meeting**, Department of Rehabilitation Medicine, **University of Washington**, February 2015.
- 3) **Mossa-Basha M**, Diffusion Tensor Imaging as a Prognostic Tool for Traumatic Cervical Spinal Cord Injury, **Neurosciences Institute “Shark Tank”**, University of Washington, 4/2015.
- 4) **Mossa-Basha M**, *VWI of Large Vessel Vasculitis*, **Rheumatology Grand Rounds**, **University of Washington**, May 2015.
- 5) **Mossa-Basha M**, *Diffusion Tensor Imaging in Spinal Cord Injury: Added Value?*, **Harborview Injury Prevention Research Center**, June 2015.
- 6) **Mossa-Basha M**, *Multi-phase CTA: Applications in Stroke Intervention Evaluation*, **Stroke Neurology Rounds**, August 2015.

- 7) **Mossa-Basha M**, *Post-processing Approaches for Vessel Wall Imaging*, **MIM presentation**, University of Washington, 3/2/2016.
- 8) **Mossa-Basha M**, *Intracranial Vessel Wall Imaging: Applications and Future Directions*, **Neurology Grand Rounds**, University of Washington, 3/3/2016.
- 9) **Mossa-Basha M**, *Intracranial Vessel Wall Imaging: Applications and Future Directions*, **Neurosurgery Grand Rounds**, University of Washington, 3/9/2016.
- 10) **Mossa-Basha M**, Diversity in Research, Lunch-n-Learn Lecture Series, **Seattle Children's Hospital Research Institute**, 8/2016.
- 11) **M. Mossa-Basha**, Intracranial Vessel Wall MRI, **HMC Siemens MRI Research Symposium**, Harborview Medical Center, Seattle, WA, 3/2017.
- 12) **M. Mossa-Basha**, Intracranial Vessel Wall MRI, **Regional StrokeNet Meeting**, Seattle, WA, 4/5/2017.
- 13) **M. Mossa-Basha**, Intracranial Vessel Wall MRI: Applications and Implications, **International Collaborations in Imaging: Vascular & Beyond Symposium**, University of Washington, Seattle, WA, 5/2017.
- 14) **M. Mossa-Basha**, Neurology Resident Visiting Professor Case Review, Harborview, 4/2017.
- 15) **M. Mossa-Basha**, Intracranial Vessel Wall Imaging, **Neurology Resident Lecture**, 5/16/2017.
- 16) **M. Mossa-Basha**, Intracranial Vessel Wall Imaging, Imaging Research In Progress, **University of Washington**, 8/2/2017.
- 17) **M. Mossa-Basha**, Vessel Wall Imaging, **Neurology Lunch Lecture Series**, 11/15/2017.
- 18) **M. Mossa-Basha**, CTP Utilization in Acute Ischemic Stroke Intervention Decision Making, **Stroke Neurology Rounds**, Harborview Medical Center, 2/2/2018.
- 19) **M. Mossa-Basha**, Compressed-SENSE for Imaging Acceleration and Motion Reduction, **MR-eXchange**, University of Washington, 3/2018.
- 20) **M. Mossa-Basha**, Neurology Resident Visiting Professor Case Review, Harborview, 4/2018.
- 21) **M. Mossa-Basha**, The Evidence for Vessel Wall Imaging in Acute Ischemic Stroke, **UW Stroke Neurology Rounds**, 6/2018.

- 22) **M. Mossa-Basha**, Intracranial Vessel Wall Imaging in Pediatric Stroke, **Seattle Children's Hospital Vascular Stroke Rounds**, Seattle, WA, 6/2018.
- 23) **M. Mossa-Basha**, Advanced Imaging for Evaluation of Cryptogenic Stroke, Neurology Lecture Series, **University of Washington Neurology Grand Rounds**, Seattle, WA, 7/2023.

IX. Committee Memberships and Society Involvement

National/International Organizations

ASNR

ASNR Young Physicians Committee: 2013-2016
ASNR Vessel Wall Imaging Task Force: 2013-present
ASNR Research Scientist Committee, 2015-2018
ASNR Educational Exhibit Award Committee, 2015-2018
ASNR Evidence Based Medicine Committee, 2015-2018, 2019-present
ASNR Research Committee, 2015-2022, 2023-2024
ASNR Programming Committee (Scientific Sub-Committee), 2018-2020
ASNR Evidence Based Medicine Vessel Wall Imaging session co-Chair, 2020
ASNR Comprehensive Neuroradiology Course Faculty, 2021-present
ASNR Abstract Submission Review Committee, 2022-2023
ASNR Nominating Committee, 2023-2025

RSNA

RSNA Educational Exhibit Award Committee, 2014-2018
RSNA COVID-19 Task Force (Chair), 2020
RSNA Stroke Course Director, 2020-present
RSNA Annual Meeting COVID-19 Course Track Chair, 2020
RSNA Annual Meeting COVID-19 Imaging Practice Course Leader, 2021
RSNA RFA PASC COVID grant leader, 2022
RSNA Stroke Session Course Leader, 2022
RSNA Stroke Session Course Leader, 2023

SMRA

Grand Challenge Judge: Automated Segmentation Challenge, 2021
Special Committee on Vascular Imaging Dissemination, 2021
Education Committee Chair, 2021-present
Program Committee, 2022-2023
Executive Board, 2021-present

American College of Radiology

Neuroradiology Review Course co-Director, 2018-2022
Neuroradiology Review Course Chair, 2022-present

Korean Congress of Radiology

Korean Congress of Radiology COVID-19 Course Chair, 2021

AUR

RAHSR: Communications Committee, 2017-2018

Leaders in Advocating Diversity & Inclusion in Radiology (LADIR) Special Interest Group, 2022-

ARRS

Abstract Review Subcommittee, 2018-2021

International Stroke Conference

Abstract Reviewer Committee, 2019-2021

ASFNR

Programming Committee, 2019-2021

Publication Committee, 2021-2022

Research Committee, 2022-2023

Western Neuroradiological Society

Programming Committee, 2019-2020

American Society of Spine Radiology

Abstract & Awards Committee, 2018-2019, 2022-2023

Education Committee, 2021-2023

Co-Chair, Abstracts and Awards Committee, 2023-

Mumbai MRI Teaching Conference

Conference organizer and co-chair, 2023

Local Responsibilities

UW Committees

Resident Clinical Competencies Committee 2013-2015

Continuing Medical Education Committee 2012-2014

Residency Selection Committee 2016-2019

Diversity and Health Equity Committee 2017-present

Social Media Committee 2017-present

Academic Productivity Committee 2017-2018

UW Destination One Committee 2018-current

Project Thea UW PACS Upgrade Committee, Executive Sponsor 2018-current

X. Administrative Responsibilities

8/2016-2/2019

Director, Cross-Sectional Neurovascular Imaging

- Developed multidelay CTA protocol for stroke triage

- Implemented clinical and investigational intracranial vessel wall MRI for disease differentiation and characterization at UWMC, HMC and SCH
 - Implemented clinical large artery vessel wall MRI service for large artery vasculitis assessment
 - Optimized MRA neck and head protocols at UWMC and HMC
- 1/2016-8/2021 co-Director, Contrast Medium Policy
- Revised Gadolinium-based contrast policies for UWMC, SCCA and HMC
 - Developed, optimized and implemented new contrast policies for CT, MRI and fluoroscopic imaging and procedures.
- 8/2013-1/2022 Assc. member, Harborview Injury Prevention Research Center
- Research collaboration with multi-disciplinary research group focused on trauma investigation.
 - Mentor summer research students, for investigational and clinical training
 - Journal club and research project presentations focused on improved collaboration and interdisciplinary communication.
- 7/2017-1/2021 Director, MRI safety, University of Washington
- Evaluate safety of devices in the MRI scanner.
 - Oversee MRI technologists, safety officers and radiologists to ensure appropriate MRI safety protocols.
 - Communicate between MRI technologists and MRI vendors to optimize clinical protocols and scanner interface for ideal workflow and functionality.
 - Oversee MRI safety officers and medical directors across the University of Washington enterprise.
- 8/2017-12/2020 UW MRI Protocol Committee
- Representative neuroradiologist on MRI committee composed of administrators, radiologists from every division and technologists responsible for protocol development for UW and Harborview Medical Centers
- 3/2018-10/2018 Associate Chief of Service, Harborview Medical Center
- Responsible for all aspects of radiology operations at Harborview Medical Center, in support of the current site director
 - Manage clinical services in coordination with division leaders.

- Leadership mentorship of Harborview-based radiology faculty
- Management of Harborview-based physician assistants and nurse practitioners

7/2018-1/2022

Radiology Resident Research Group Director

- Organize speakers for radiology resident research training.
- Facilitate resident mentorship in their area of interest.
- Advocate for resident research resources with hospital and radiology administration
- Collaborate with residency administration to oversee radiology resident research rotations.

10/2018-1/2020

Acting Chief of Radiology, Harborview Medical Center

- Responsible for all aspects of radiology operations at Harborview Medical Center
- Management of clinical services in coordination with division leaders
- Faculty management of Harborview-based radiology faculty
- Management of Harborview-based physician assistants and nurse practitioners
- Capitol purchase decision responsibility
- Oversight and development of diagnostic imaging and interventional workflows
- Development of Harborview-based multi-disciplinary research focus groups to improve cross-department collaborations and improved radiology research productivity.
- Oversight of the Harborview-based informatics environment

10/2018-1/2022

Director of Neuroradiological MRI

- Optimize clinical MRI protocols.
- Develop new MRI protocols. Developed protocols include: Thoracic outlet syndrome MRI, large artery whole body vessel wall protocol, intracranial vessel wall MRI, carotid vessel wall dissection protocol, fast stroke MRI protocol, stereotactic spine radiotherapy planning protocol, advanced brain metastases and tumor protocol
- Manage and optimize neuroradiological MRI workflows.

- Attract new business through outpatient clinic marketing through didactic presentations and open forums.
 - Translation of imaging acceleration techniques such as compressed sensing and simultaneous multi-slice to clinical protocols
- 10/2018-1/2022 UW Clinical Transformation Committee Core Member
- Part of core committee responsible for directing implementation of Epic Radiant radiology information systems.
 - Responsible for directing implementation other radiology systems as they pertain to core radiology functionality.
- 8/2018-1/2022 MR-eXchange Committee Director
- Director of committee responsible for strengthening research collaborations with Philips MRI.
 - Organize visiting professor presentations in MRI research.
 - Facilitate MRI research collaborations between investigators within the department and outside the department on the Philips MRI platform
- 1/2019 Acting Interim Chair of Radiology, Univ. of Washington
- Support and manage integration of Northwest Hospital radiology into UW radiology.
 - Incorporation of clinical services and determination of workflows
 - Direct faculty and staff coverage of clinical services
- 5/2019-1/2022 Chief of Radiology, University of Washington Med Center
- Director of radiology operations at UWMC, Northwest Hospital, Eastside Clinic, and Roosevelt Clinic
 - Responsible for organization and staffing of radiology operations at Northwest Hospital, which was recently incorporated into UWMC Radiology.
 - Development of new workflows and guidelines for faculty and staff at NWH for clinical coverage
- 5/2019-1/2022 Vice Chair of Clinical Operations

- Synchronization of clinical workflows between the four University of Washington Medicine Hospitals and 4 outpatient imaging centers.
- Directing and managing modality medical directors, chiefs of service, faculty and staff across the UW enterprise.
- Development of new workflows to address clinical gaps.
- Executive sponsor of PACS upgrade initiative
- Developed faculty productivity recognition initiative.
- Co-developed and maintained radiology virtual grand rounds program.
- Established Ron and Christine Lee Raccoon Fellowship, an internal career development program and financial award given to two trainees or junior faculty per year to complete a submitted research project focused on stroke
 - Established the program mission statement and overall structure, selection process and award board
 - Established a mentorship network
 - Interfaced with the funders
- Developed and implemented provider feedback survey for radiology department and radiologists.
- Management of faculty and trainee affairs in coordination with the chair of radiology
- Led the initiative to incorporate AI into our clinical workflows and environments through strategic industry partnerships.
- Initiated steps to build Equity, Diversity and Inclusion Committee
 - Working to build a UW pipeline intern program for high school and college underrepresented minorities as an introduction to radiology and medicine
- Contributed to the development of organizational growth business plans and approaches.
 - Physician-owned outpatient imaging centers
 - Teleradiology service growth
 - Oncorad services
 - 24-hour emergency radiology coverage
 - Theranostics Service at University of Washington Medical center
 - Outside Films Interpretation Service

- Led MRI modality working group for post-COVID shutdown imaging volume and revenue recovery.
 - Bi-monthly MRI operational meetings
- Standardization of MRI protocols and workflows across 4 hospitals and 4 outpatient imaging centers
- Consolidated all MRI capital purchases centrally.
 - Chaired decision-making committee for MRI purchase
 - Leveraged the enterprise for negotiations of equipment purchases.
 - Standardize equipment capability, including both hardware and software capabilities.
- Chaired post-processing software committee charged with deciding on software needs and making recommendations for hospital purchases.
- Initiative to increase efficiency in MRI across the enterprise.
 - Shortening most frequently performed MRI protocols into 15 minute blocks
 - Improved technologist workflow for efficiency
 - Incorporation of AI algorithm reconstruction of accelerated MRI acquisitions
 - Automated protocoling.

12/2020-11/2021

Director of Quality and Safety Committee

- Build the quality and safety committee.
 - Establish members of the committee.
 - Create subcommittees to focus on: radiation safety, reporting templates, patient and provider feedback, radpeer and peer learning, safety policies, safety education and training, and MRI safety.
 - Create leadership structure for the committee and subcommittees.
 - Establish committee and subcommittee meeting structure.
 - Develop provider and patient feedback surveys and disseminate yearly across our enterprise
 - Analyze survey results and lead and coordinate change as is needed

2/2022-2/2023

Vice Chair of Quality and Safety

- Establish quality and safety committee
 - Membership, meetings, mission statement, subcommittees
- Address safety reports
- Restructure safety staff responsibilities
- Ensure compliance with TJC and CMS mandates
- Collaborate with Operations team on initiatives

- Implemented new policy on not using gonadal shielding in imaging to meet national guidelines
 - Created wall mounts and documents for patient and technologist education
- Modification of “Prelim” and “Final” report labels in Epic
- Modification of faculty final reporting of overnight resident preliminary reports to reduce discrepancies in final report appearance
- Modification of organization of radiology reports in Epic to enhance information extraction by ordering providers
- Addressed overall delays of ED imaging and reporting
 - Created expectations for turnaround time from order-to-begin and completed-to-report
 - Addressed workflow challenges, including delays in IV placement and patient transportation by creating backup workflows to address staff challenges
- Reinforced faculty presence requirement for procedures
 - Reinforced accurate documentation of procedure faculty presence statement and reestablished to faculty and trainees the rules around the presence statement
- Reinforced timeout rules to faculty and trainees
- Created new policy around appropriate personal protective equipment use during clean procedures, including covering of all hair, surgical masks, and clean clothing for all individuals in the procedure room, and sterile gloves for those working in the clean/sterile field

2/2022-2/2023

Medical Director of MRI

- Advance protocols at UNC
 - New intracranial and carotid vessel wall MRA protocols
 - Improved CT perfusion protocols
 - Improved thoracic outlet syndrome MRI/MRA protocol
 - Optimized brain imaging protocols with 3D TSE and GRE acquisitions
- Increase MRI efficiency
 - Modified MRI scheduling to resource as opposed to time
 - Accomplished this through directing a rebuild of Epic ordering interface to expand order options
 - Instituted a pilot of 30-minute blocks at outpatient imaging center

- Optimized protocols through targeted protocols and implementation of compressed sensing
 - Reduced all neuro, MSK, and body protocols to less than 22-minute scan times (reduction of 10-100% time)
- Focused on clustered scheduling
- Protocol standardization across sites and platforms
- Technologist and scheduler education
- Creation of scheduling tree to match MRI resources
- Removal of redundant workflow steps
- Develop new guidelines for MRI sedation and anxiolysis
- Redo MRI templates and schedule across the MRI fleet

3/2023-current

Vice Chair of Clinical Research

- Planned and established the Clinical Research Core
 - Supervised the newly built Clinical Research Core
 - Hired and onboarded Research Core Associate Director
 - Hired Biostatistician and 2 research coordinators, to support data user agreement, retrospective and prospective IRB processing, and study coordination
- Established research fellow program
 - Built the fellow intake process
 - Created website for research fellow resources, including pages dedicated to how to write a research paper, review article, specific aims, retrospective IRB, how to do basic biostatistics, patient recruitment, and how to use slicer dicer for data review.
 - Established quarterly research fellow gatherings
 - Mentored department research fellows for residency applications, in addition to reaching out to advocate for research fellows applying for residency.

3/2023-current

Vice Chair of Clinical Transformation

- MRI advancement
 - Engage in upstaffing of MRI environments
 - Created SBAR for hiring additional MRI technologists to improve MRI workflows for efficiency, in order to address access challenges

- Hiring of Licensed Practitioners of Nursing for IV placement, and MA's for patient prep to streamline MRI workflows, and have technologists focus on MRI scanning.
- Determination of interpretation of neuroradiology volumes after hours
 - Moderate between neuroradiology and emergency radiology to determine neuroimaging volume interpretation after hours
 - Establish training program for emergency radiology faculty for neuroimaging
 - Train emergency radiology faculty in vessel wall MRI and stroke imaging interpretation
 - Create SBAR for volume interpretation

3/2023-current

Co-Director of the Research Vascular Imaging Lab

- Supervise the largest multi-disciplinary lab at UW (comprised of 20 lab members), comprised of MRI PhD physicists, vascular surgeons, stroke neurologists, cardiologists, biostatisticians, 3 PhD students, study coordinators, and 8 research fellows
- Plan and design studies and NIH grants, and oversee project progress
- Meet with the lab 4x per week for technical, image review, grant discussion, and general lab meetings
- Meet individually with each lab member weekly to discuss their progress
- Serve as PI/mPI on 2 active NIH R01 and multiple industry or societal grants that support the lab
- Seek funding support from industry for new projects
- Innovate in software development for commercial use to advance image post-processing
- Investigate new directions of research and development for future funding projects
- Engage with hospital and department leadership to advance the lab's interests and increase visibility

XI. Mentees (only those with publications, abstracts or grants listed):

Name	Work	Current Position
Aaron Rutman, MD	JNNP '16, JCAT '17, AJNR '17, CPDR '17, Radiographics '18, RSNA '13 (2, Magna), '15 (2,Cum), '16 (COM), ASNR '16, '17, ASSR '17 (Best oral paper), BJR '22, BJR '22	Faculty neuroradiologist, section chief of neuroradiology, Kaiser Permanente

Santhosh Gaddikeri, MD	JNIS '16, AJNR '18, ARRS '13, ASNR '17, CPDR '22	Assistant Professor, Radiology, Rush University
Adam De Havenon, MD	Stroke '15, '16, '17, NJ '17, Neuroradiology '17, CRR '16, RSNA '14, '15, ASN '15, ASNR '15, ISC '15, ASFNR '17	Associate Professor, Stroke Neurology, Yale University
Matthew Alexander, MD	JNNP '16, JNIS '16, Stroke '16, WNRS '14, ASNR '15 (3), ISMRM '16, ASNR '16, AJNR '20	Assistant Professor, Radiology, University of Utah
Thien Huynh, MD	JNS '18, ASNR '17, ASNR trainee grant '17, JNR '19, BJR '22	Assistant Professor, Radiology, Mayo Jacksonville
Lei Wu, MD	Neurosurgery '18, ASNR '18, RSNA '18, Radiology '20, AJNR '22, BJR '21	Assistant Professor, Radiology, University of Washington
Nathan M. Cross, MD	AJNR '19	Assistant Professor, Radiology, University of Washington
Charles Colip, MD	RSNA '18, Radiology '20, BJR '21, BJR '21, AJNR '22	Neuroradiologist, Kaiser PNW
Jie Sun, MBBS	ASNR '18, BJR '19, BJR '20, MAGMA '19, JSCVD '22, JMRI '22	Assistant Professor, Radiology, University of Washington
Brendan Quiney, MD	JCAT '17	Assistant Professor, Radiology, University of British Columbia
Stephen Ying, MD	JCAT '17	Assistant Professor, Radiology, University of Manitoba
Bill Hwang, MD	Stroke '15, JCAT '16, AJNR '16, ASFNR '13, ASNR '13, RSNA '14 (2, COM), ICAS '14, ASNR '15 (2), RSNA '15, BJR '20	Tacoma Radiology Associates
Dinesh Sundarakumar, MBBS	ASNR '15, ARRS '15, AJNR '16	Assistant Professor, Radiology, U of Texas-El Paso
Cryselia Smith, MD	AJNR '16	Assistant Professor, Radiology, U of Texas-El Paso
Gerald Palagallo, MD	JNNP '16, RSNA '13 (Magna)	Missouri Baptist Hospital
Ryan Morton, MD	JCN '15, JNS '18, JNR '19	Chief of Neurosurgery, UT San Antonio
Robert Bonow, MD	CCM '17, ASNR '17, JAMA Surgery '18 (accepted), JNR '19, Radiology '20	Assistant Professor, Neurosurgery, University of Washington
Justin Vranic, MD	Radiographics '18, AJNR '19, JNR '19, RSNA '17, '18, ASNR '18, Radiology '20, CTCM '20	Neuroradiology Fellow, MGH
Cordelie Witt, MD	CCM '17, JAMA Surgery '18 (accepted)	UW Vascular Surgery resident
Jason Hartman, MD	ASNR '18, BJR '19, JACR '20, AJNR '21	UW Radiology Assistant Professor
Babatunde Akinpelu	Ron Lee Fellowship grant '21	UW Radiology Assistant Professor
A. Sultan-Qurraie, MD	ISC '15, Interventional Neurology '18 (in submission)	Assistant Professor, Neurology, University of Washington
John Nerva, MD	JCN '15	Assistant Professor, Neurosurgery, Tulane University
Daniel Peterson, BS	AJNR '17, CPDR '17, RSNA '15, ASSR '17 (best paper), ASNR '17, BJR '20	Research Scientist, University of Washington
Yi Wang, PhD	UW-PPP grant '18, AJNR '18, ASNR '18	Philips Research Scientist
Li Chen, MS	MRM '18, ArXiv '18, MRI '18	PhD Candidate
Kurt Sansom, MS	Bioengineering and Biotransport '17, ASNR grant '17	PhD Candidate

Peter Fata, MD	JNS '18, JNR '19, JNR '19	Houston Methodist Hospital
Brian Eichinger, MD	RSNA '14, ICR '14	Tacoma Radiology Associates
Wen Lin, MD	RSNA '14	Kaiser Permanente
Scott Culbertson, MD	JCAT '16	Alliance Radiology
Elliot Rapp, MD	JCAT '16	Northern Health, Vancouver, BC
Chris Goiney, MD	ISC '17, JACR '19	Faculty radiologist, Virginia Mason
Blake Carlson, MD	ISC '17, JACR '19	Center for Diagnostic Imaging, St Paul, MN
Kwesi Agyem, MD	Neurosurgery '18	Private Practice, Alberta
Aiad Zaza, MD	JPNR '15	Neuroradiology fellow, Washington University
Baoanh Vu, BS	RSNA '16, JCAT '17	Medical student
Mark Dalesandro, MD	RSNA '16	Radiology Imaging Associates, Denver, CO
Lindsey Call	HIPRC INSIGHT Symposium '17, BJR '19, Radiology '20	Amherst College
Jeffrey Morris, MD	HIPRC INSIGHT Symposium '17, BJR '19	Neuroradiologist, Kaiser
Paul Albertine, MD	ASNR '18	Advocate Hospital, Chicago, IL
Anjali Lal, MD	ASNR '18	Assistant Professor, Radiology, University of Oklahoma
Manal el Refai, MBBS	RSNA '15, World Radiology Forum '15	Director of Radiology, Ahrar G Hospital, Egypt
Akshay Baheti, MBBS	RSNA '17	Assistant Professor of Radiology, Tata Memorial, Mumbai, India
Matthew Lidstrom, MD	ASNR '18	Oregon Radiology Associates
Hiroko Watase, MBBS	ASNR '18, BJR '19	Research scientist, University of Washington
Aaron Daub, MD	RSNA '18	Radiology resident, University of Washington
Saeedeh Mirbagheri, MBBS	Clinical Radiology '17, RSNA trainee grant submission '18 and '19	Johns Hopkins Neuroradiology fellow
Mazen Zawaideh, MD	SPIE Medical Imaging '19	Private Radiology Practice
Patricia Ojeda, MD	SPIE Medical Imaging '19	Private Radiology Practice
Murat Oztek, MBBS	RSNA '18, RSA '19	UW Radiology Resident
Cory Kelly	ISC '19, JNR '19, BJR '21	UW Medical Student
Shamus Moran	ASNR '19, JACR '20, AJNR '22	UW Radiology Resident
Bhagya Sannanja	ASNR '19, ISMRM '19, AJNR '22	Emory Neuroradiology Assistant Professor
Mohamed Ibrahim	ASNR '19, AJNR '22	UW Radiology Research fellow
Tarek Khrisat	ASNR '19, AJNR '22	UW Radiology Research fellow
Chengcheng Zhu, PhD	NIH R00 and R01 grants, ISMRM '20, ASNR '20, AJNR '22, JNIS '21, JNIS '22	Research Assistant Professor, University of Washington
Diana Christensen	Radiology '20	Radiology Resident, University of Washington
Nadin Zanaty, MBBS	SMRA '22	Zagazig University, Cairo, Egypt
Mehmet Aksakal	SMRA '22	UW Radiology Resident
Pattana Wagyanitch, MBBS	BJR '22, BJR '22	Assistant Professor, University of Washington Radiology
Yin Guo	JMRI '22, JSCVD '22, SMRA '22, ISMRM '24, JMRI '24	UW BE PhD Student

Rawan Diab	BJR '22	AUB Medical Student
Dandan Chang	BJR '22, SMRA '22	Tiantian Hospital Radiology Faculty
Xin Wang	JMRI '22, MRM '24, ISMRM '24, JMRI '24	UW EE PhD Student
Kaiyu Zhang	JMRI '22, ISMRM '24, JMRI '24	UW BE PhD Student
Gador Canton	MRM '18, JSCVD '22, SMRA '22, JMRI '23, ASNR '23, ISC '23, ISMRM '23, ISC '24	Assistant Professor Mech Eng
Duygu Baleyeri	JMRI '22, '23, ASNR '20, ISC '23	UW Radiology Research Fellow
Robert Richie	ISC '24	Medical School
Mona Kharaji	ISC '24, ASNR '24	UW Radiology Research Fellow
Javid Azadbakht	ASSR '24	UW Radiology Research Fellow
Mohammed Dawood		UW Radiology Research Fellow
Samah Morsi		UW Radiology Research Fellow
Ahmed Safwat		UW Radiology Research Fellow
Mohamad Hosam Mosi		UW Radiology Research Fellow
Maoxue Wang		UW Radiology Research Fellow
Cristina Sanchez		UW Radiology Research Fellow

PhD Supervisory Committee

- Kurt Sansom- Mechanical Engineering PhD candidate, 2017
- Li Chen- Biomedical Engineering PhD candidate, 2021
- Yin Guo- Biomedical Engineering PhD candidate, 2022
- Kaiyu Zhang- Biomedical Engineering PhD candidate, 2023

XII. In The News

- 1) “The impacts of COVID may be more serious than we think”, Scarlet Hansen, **The Daily**, February 3, 2023, [The impacts of COVID-19 may be more serious than we think | News | dailyuw.com](#)
- 2) “CT contrast shortage mostly resolved, but supply chain issue lingers”, **Auntminnie.com**, Kate Madden Yee, June 24, 2022, [CT contrast shortage mostly resolved, but supply chain issue lingers \(auntminnie.com\)](#)
- 3) “American College of Radiology and healthcare institutions actively address global shortage of contrast media”, Eileen Leahy, **JACR press release**, June 23, 2022, [American College of Radiology and healthcare institutions actively address global shortage of contrast media \(elsevier.com\)](#)
- 4) “American College of Radiology issues risk mitigation strategies to address contrast media shortage”, Emily Henderson, **News Medical Life Sciences**, June 23, 2022, [American College of Radiology issues risk mitigation strategies to address contrast media shortage \(news-medical.net\)](#)
- 5) “American College of Radiology and healthcare institutions actively address global shortage of contrast media”, **EurekaAlert!**, June 23, 2022, [American College of Radiology and healthcare | EurekaAlert!](#)
- 6) “Timely Webinar to Address Contrast Media Shortage”, **RSNA News**, May 24, 2022, [Contrast Media Shortage Webinar | RSNA](#)

- 7) “Top Doctors 2022: Seattle magazine’s 22nd annual list of the best physicians in the Puget Sound region”, **Seattle Magazine**, June 22, 2022, <https://seattlemag.com/top-doctors/top-doctors-2022>
- 8) “America’s Chronic Drug Shortage Problem”, **Tradeoffs** Podcast (contributor), June 16, 2022, [America's Chronic Drug Shortage Problem - Tradeoffs](#)
- 9) “Managing Contrast Media Shortage”, **Radiology Podcasts**, June 1, 2022, RSNA, [Radiology Podcasts | RSNA - Managing Contrast Media Shortage | Episode Details | Listen Online and Share Segments - Backtracks](#)
- 10) “Radiology experts share strategies for managing CT contrast shortage”, Kate Madden Yee, **Auntminnie.com**, May 27, 2022, [Radiology experts share strategies for managing CT contrast shortage \(auntminnie.com\)](#)
- 11) “6 categories of contrast CT prove ripe for revisiting during supply shortage”, Dave Pearson, **Radiology Business**, May 19, 2022, [6 categories of contrast CT prove ripe for revisiting during supply shortage \(radiologybusiness.com\)](#).
- 12) “CT contrast shortage is rippling throughout radiology”, Kate Madden, **Auntminnie.com**, May 19, 2022, [CT contrast shortage is rippling throughout radiology \(auntminnie.com\)](#).
- 13) “Radiology Better Prepared to Face Future Pandemics: Leveraging the lessons learned during COVID-19”, Nick Klenske, **RSNA News**, April 18, 2022, [Radiology-Preparedness \(rsna.org\)](#)
- 14) “With AI, radiologists gain sharp eyes, diagnostic speed”, Brian Donohue, **UWMedicine Newsroom**, January 26, 2022, [With AI, radiologists gain sharp eyes, diagnostic speed | Newsroom \(uw.edu\)](#)
- 15) “Enhancing MR Suite Efficiency During the Pandemic”, McKenna Bryant, **Applied Radiology**, January 5, 2022, [Enhancing MR Suite Efficiency During the Pandemic \(appliedradiology.com\)](#)
- 16) “Radiology research activities down markedly during pandemic, RSNA COVID-19 task force says”, Mary Stempniak, **Radiology Business**, Dec 6, 2021, [Radiology research activities down markedly during pandemic, RSNA COVID-19 task force says \(radiologybusiness.com\)](#)
- 17) “What has radiology learned from the COVID-19 pandemic?”, Joe Constance, **Auntminnie.com**, June 16, 2021, <https://www.auntminnie.com/index.aspx?sec=nws&sub=rad&pag=dis&ItemID=132648>
- 18) “Castle Connolly Top Doctors Since 2018”, **Castle Connolly**, May 2021, [Dr. Mahmud Mossa-Basha - Neuroradiology - Seattle, WA | Castle Connolly](#)
- 19) “The Top Doctors in Seattle for 2021”, Seattle Magazine Staff and Castle Connolly, **Seattle Magazine**, May 13, 2021, [The Top Doctors in Seattle for 2021 | Seattle Magazine](#)
- 20) “Looking Forward, Looking Back”, **ACR Bulletin**, Vol 76, No. 4, pg 18-19, April 2021, [Looking Back Looking Forward | American College of Radiology \(acr.org\)](#)
- 21) “Radiology: Coming Back After COVID-19”, **GE Healthcare**, January 19, 2021, [Radiology: Coming Back After COVID-19 | GE Healthcare \(United States\)](#)
- 22) “MRI at RSNA: COVID-19 and Beyond”, **Auntminnie.com**, Kate Madden Yee, November 11, 2020, [MRI at RSNA: COVID-19 and beyond \(auntminnie.com\)](#)

- 23) “Decorated neuroradiologists express ‘concerns’ over peer Scott Atlas’ White House guidance during pandemic”, Marty Stempniak, **Radiology Business**, October 26, 2020, <https://www.radiologybusiness.com/topics/leadership/neuroradiologists-scott-atlas-white-house-pandemic>
- 24) “Neuroradiologists pen letter opposing Atlas”, **Auntminnie.com**, October 26, 2020, <https://www.auntminnie.com/index.aspx?sec=nws&sub=rad&pag=dis&ItemID=130614>
- 25) “Meet the Minnies 2020 Finalists”, **Auntminnie.com**, Brian Casey, Erik L. Ridley, Kate Madden Yee, and Theresa Pablos, September 30, 2020, <https://www.auntminnie.com/index.aspx?sec=nws&sub=rad&pag=dis&ItemID=130306>
- 26) “Meet the Minnies 2020 semifinal candidates”, **Auntminnie.com**, September 2, 2020, <https://www.auntminnie.com/index.aspx?sec=nws&sub=rad&pag=dis&ItemID=130055>
- 27) “Private radiology practices hit hard by COVID-19”, **Auntminnie.com**, Kate Madden Yee, July 17, 2020, <https://www.auntminnie.com/index.aspx?sec=sup&sub=imc&pag=dis&ItemID=129621>
- 28) “Radiology practices struggle to survive amid COVID-19”, **Medical Express**, July 17, 2020, <https://medicalxpress.com/news/2020-07-radiology-struggle-survive-covid-.html>
- 29) “Private radiology practices have been greatly affected by COVID-19 pandemic”, **Medical Life Sciences**, July 17, 2020, <https://www.news-medical.net/news/20200717/Private-radiology-practices-have-been-greatly-affected-by-COVID-19-pandemic.aspx>
- 30) “A Mental Toll, Radiologists and staff are coping with the emotional fallout from COVID-19”, **ACR Bulletin**, Emily Paulsen, July 23, 2020, <https://www.acr.org/Practice-Management-Quality-Informatics/ACR-Bulletin/Articles/Digital-Exclusive/A-Mental-Toll>
- 31) “COVID-19: Health4theworld Radiology Leaders Panel”, **UCSF Radiology**, April 24, 2020, <https://radiology.ucsf.edu/events/covid-19-health4theworld-radiology-leaders-panel>
- 32) “Supporting the Cause During COVID-19: Many residents have been redeployed during the COVID-19 pandemic. Supporting them is critical”, **ACR Bulletin**, Meghan Edwards, July 1, 2020, <https://www.acr.org/Practice-Management-Quality-Informatics/ACR-Bulletin/Articles/Digital-Exclusive/RLI-Town-Hall-Blog-Series/Supporting-the-Cause-During-COVID-19>
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