University of Washington

School of Medicine Curriculum Vitae

1. **PERSONAL DATA**

**Name**  Mahmud Mossa-Basha

**Work Address**  University of North Carolina

Department of Radiology

Division of Neuroradiology

101 Manning Dr.

Chapel Hill, NC 27514

E-mail: [mmossab@uw.edu](mailto:mmossab@uw.edu)

**Citizenship** United States

1. **EDUCATION**

**8/2001 6/2005** M.D.

University of Toledo College of Medicine

Toledo, Ohio

**8/1996-5/2000** B.S., Biochemistry

University of Michigan

1. **POSTGRADUATE TRAINING**

**7/1/2010- 6/30/2012** Fellowship, Diagnostic Neuroradiology

Johns Hopkins University

Baltimore, Maryland

**7/1/2006-6/30/2010** Residency, Diagnostic Radiology

Henry Ford Hospital

Detroit, Michigan

**7/1/2005-6/30/2006** Residency, Transitional Year Internship

Henry Ford Hospital

Detroit, Michigan

1. **FACULTY POSITIONS HELD**

**2/2023-current** Professor (UNC)

Vice Chair of Quality and Safety

Director of MRI

**07/01/2021-1/2023** Professor (UW)

Vice Chair of Clinical Operations

Radiology Chief of Service, UWMC and NWH

Medical Director of MRI

Director of Quality and Safety

**07/01/2017-06/30/2021** Associate Professor (UW)

Vice Chair of Clinical Operations

Radiology Chief of Service, UWMC and NWH

Co-Director of Intravenous Contrast Policy

Director of MRI Safety

MRX Committee Chair

Radiology Resident Research Group Director

Associate Member, HIPRC

**7/1/2012-6/30/2017** Assistant Professor (UW)

Department of Radiology

Division of Neuroradiology

University of Washington

1. **HOSPITAL POSITIONS HELD**

**2/2022-Present** Attending Physician

University of North Carolina Medical Center

Hillsborough Hospital

Chatham Hospital

**7/1/2012-Present**  Attending Physician,

University of Washington Medical Center

Harborview Medical Center

Northwest Hospital

Seattle Cancer Care Alliance

Department of Radiology

University of Washington

Seattle, Washington

1. **Current Employment:** NA
2. **HONORS**

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

**2021** Ron and Christine Lee Raccoon Fellowship Award (mentorX2)

**2021** RSNA Honored Educator Award

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

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

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

**2020** British Institute of Radiology BJR/Jusha Early Career Investigator Award for Research Publication (Mentor)

**2020** ACR-AUR Research Scholar Program (mentor)

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

**2019** ACR-AUR Research Scholar Program (mentor)

**2019** ASNR International Outreach Program- Egypt

**2017** Fred Mann Research award (mentor)

**2017** Stroke cover article, 11/2017

**2017** HIPRC INSIGHT Research Symposium, Best Research Presentation

**2017** ASSR Best Oral Paper

**2016** RSNA Certificate of Merit Award

**2015** RSNA Cum Laude Award

**2015** UW Neuroradiology Teacher of the Year

**2015** AUR GE Radiology Research Academic Foundation Award

**2014** Certificate of Merit Award Recipient, RSNA

**2014** Scott J. Schulte Faculty Teacher of the Year Award UW Radiology

**2013** RSNA Magna Cum Laude Award

**2013** UW Neuroradiology Teacher of the Year

**2012** Johns Hopkins Outstanding Radiology Fellow Teacher of the Year

**2012** Johns Hopkins Outstanding Neuroradiology Fellow Teacher of the Year

**2011** Yousem Award Recipient, $7,500 Research Grant

**2010** Certificate of Merit, RSNA

**2000** Graduation with Distinction, University of Michigan

**1998-2000** Dean’s List, University of Michigan

1. **BOARD CERTIFICATION**

**6/2010** American Board of Radiology, Diagnostic Radiology Certification

**11/2014** Certificate of Additional Qualification, Neuroradiology

1. **CURRENT LICENSE TO PRACTICE**

Expiration 8/25/23Washington State # 000000 MD60281860

3/17/09-1/31/16 Michigan 4301086401

7/26/10-9/30/13 Maryland D71238

Expiration 8/25/23 North Carolina 2022-00219

1. **PROFESSIONAL ORGANIZATIONS**

**\*For offices held, please see section 12.**

**Radiological Society of North America**

**2008-Present** Member

Educational Exhibit Award Committee, 2014-

Chair of RSNA COVID-19 Task Force, 2020

RSNA Stroke Course Chair, 2020-

RSNA Annual Meeting COVID-19 Track Chair, 2020

RSNA COVID-19 Course Leader, 2021

**American Society of Neuroradiology**

**2014-Present** Senior Member

Evidence Based Medicine Committee, 2015-

Educational Exhibit Committee, 2015-2018

Research Scientist Committee, 2015-2018

Program Committee, 2017

Research Committee, 2015-

Annual Meeting Programming Committee (Scientific Sub-Committee), 2018-

Vessel Wall Imaging Task Force: Protocol Committee, 2013-

Young Physicians Committee: Education Committee, 2013-2016

Abstract Reviewer ASNR Annual Meeting, 2016-

Dyke Award Reviewer, 2016

**American Society of Spine Radiology**

**2015-Present** Member

Abstract Reviewer, Annual Meeting, 2015-

**American College of Radiology**

**2005-2010** Member

ACR Neuroradiology Review Course Proctor, 2015-

ACR Neuroradiology Review Course Director, 2018-

**International Society of Magnetic Resonance in Medicine**

**2014-Present** Member

**Association of University Radiologists**

**2015-Present** Member

RAHSR Communications Committee, 2017-2018

**ABC Medical Education Protocol Design Committee**, 2017, 2019

**Western Neuroradiological Society**

**2017-Present** Member

Organizing Committee, 2020

**American Roentgen Ray Society**

**2018-Present** Member

Abstract Review and Awards Committee, 2018-

**American Society of Functional Neuroradiology**

**2018-Present** Member

Organizing Committee, 2020

Publication Committee, 2021-2022

Research Committee, 2023

**International Stroke Conference**

**2018-Present**  Member

Abstract Review Committee, 2019-

**Society of Magnetic Resonance Angiography**

**2021-Present** Member

Chair, Education Committee, 2021-

Executive Committee, 2021-

Program Committee, 2022

1. **TEACHING RESPONSIBILITIES**

**ASNR Comprehensive Neuroradiology Course**

**Faculty,** 2021-present

**American College of Radiology CME Review Course**

**Lectures given throughout multiple ACR Review courses:** Brain trauma imaging, congenital brain lesions, brain tumor imaging, imaging of neurovascular disease and intracranial hemorrhage, stroke imaging, sinonasal imaging, head and neck anatomy, larynx imaging, thyroid imaging, cervical lymph node stations, spine trauma imaging, spine-DJD, intradural-intramedullary disease, intradural-extramedullary disease, extradural-extramedullary disease.

**ACR Review Courses Proctored or Directed**

**Faculty**, Neuroradiology, Reston, VA, Sept. 17-19 2015.

**Faculty**, Neuroradiology, Reston, VA, May 18-20, 2017.

**Faculty,** Neuroradiology, Reston, VA, December 11-13, 2017.

**Faculty,** Neuroradiology, Reston, VA, September 24-26, 2018.

**Course director,** Neuroradiology, Reston, VA, December 10-12, 2018.

**Faculty**, ACR Head and Neck Review Course, Melbourne, Australia, August 2019.

**Course director,** Neuroradiology, September 25-29, 2019.

**Course director,** Neuroradiology, December 9-11, 2019.

**Chair,** Neuroradiology, 2020-present

**University of Washington Department of Radiology**

**Diagnostic and Interventional Radiology Interest Group (DIRIG)**

*Neuroimaging Anatomy and Advanced Neuroradiology Imaging: Introduction to Advanced Imaging. April 2015, April 2016*

**UW Radiology Review Course (CME Course) Seattle, Washington**

**“Not Just For Residents”**

*Vascular Disease and Intracranial Hemorrhage, March 31 – April 2, 2015*

*Imaging of Neurodegenerative Disease and Dementia, March 10-14, 2013*

**Affiliated Lectures**

**University of Washington Medical Center, Harborview Medical Center**

**Seattle, Washington**

*Small Grant Opportunities for Trainees; Resident Research Group, March, 2019.*

*The Evidence for Vessel Wall Imaging in Acute Ischemic Stroke, UW Stroke Neurology Rounds, June 2018.*

*Intracranial Vessel Wall Imaging in Pediatric Stroke, Seattle Children’s Hospital Vascular Stroke Rounds, June 2018.*

*Neurology Resident Visiting Professor Case Review, Harborview, April 2018.*

*Compressed-SENSE for Imaging Acceleration and Motion Reduction, University of Washington MRX Meeting, March 2018.*

*CTP Utilization in Acute Ischemic Stroke Intervention Decision Making, Stroke Neurology Rounds*, February 2018.

*Black Blood or Vessel Wall Imaging; CME Neurology Lecture Series, November 15, 2017*

*Intracranial Vessel Wall Imaging; Applications and Future Directions, Neurosurgery Grand Rounds, March 2016*

*Intracranial Vessel Wall Imaging; Applications and Future Directions, Neurology Grand Rounds, March 2016*

*Post-processing Approaches for Vessel Wall Imaging, MIM presentation, March 2016*

*Journal Club, Harborview Injury and Prevention Center (HIPRC) October, 2015*

*Off the Wall Imaging: Novel Intracranial Vasculopathy Assessment, Biomedical Imaging Center MR Symposium, University of Washington, Oct. 2015.*

*Multi-phase CTA: Applications in Stroke Intervention Evaluation, Stroke Neurology Rounds, August 2015*

*Diffusion Tensor Imaging in Spinal Cord Injury: Added Value? Harborview Injury Prevention Research Center, June, 2015*

*VWI of Large Vessel Vasculitis, Rheumatology Grand Rounds, May, 2015*

*Intracranial Vessel Wall MRI: Applications in the Neurocritical Care Setting, Neurocritical Care Research Series, June 2014*

*Intracranial Black Blood MRI: Imaging Beyond the Lumen, Radiology Imaging Research Grand Rounds, January 2014*

*Intracranial Black Blood Imaging, Indications, Technique and Potential Pitfalls, Technologist Rounds, February 2013*

*Intracranial Black Blood Imaging: Techniques and Applications, Stroke Neurology Rounds, November, 2012*

**UW Emergency Radiology Course (CME Course) Seattle, Washington**

*Imaging of Traumatic Cervical Spine Injury, August 2013, 2014, 2018*

**Medical Student Lectures**

**University of Washington Medical Center, Seattle, Washington**

*Spine Imaging: Introduction to Anatomy, 1st year medical student lecture series, September 2015*

*Essentials of Neuroimaging, 4th year Medical Student Capstone Lectures, May 2015*

**10/2013-Present**

**Radiology Resident Lectures**

**University of Washington Medical Center, Harborview Medical Center**

**Seattle,** **Washington**

*Resident Case Conference Neurology Visiting Professor Dr. Joseph Broderick, April 2015*

*Advanced Imaging of Cerebral Arteriovenous Malformations, 2015-2019*

*Approaches to Research and Funding Early in an Academic Career, 2015-2019*

*Spinal Vascular Malformations, 2015-2019*

*Intracranial Vessel Wall Imaging, 2014-2019*

*Imaging of Large Vessel Vasculitis, 2014-2019*

*Imaging of Epilepsy and Seizures, 2013, 2015, 2017, 2019*

*Susceptibility Weighted Imaging: Techniques and Applications, 2013-2019*

*Imaging of Vascular Calcifications, 2015-2019*

**Neuroradiology Fellows Conference**

**University of Washington Medical Center, Harborview Medical Center**

**Seattle, Washington**

*Vascular Calcifications and Vascular Disease: Role of Intracranial Imaging, 2015-2018*

**3/2013-2018**

**Radiology Resident Board Review/ R4 Practical Exam**

**University of Washington Department of Radiology**

**10/2012-7/2013**

**Advanced Neuroradiology Case Conference**

**University of Washington Department of Radiology**

*Diffusion Tensor Imaging: Technical Aspects and Applications, January 2013*

*Time Resolved MRA; Twists and Tricks, December, 2012*

*Black Blood MRA; Techniques and Utility, November 2012*

*Susceptibility Weighted Imaging; Techniques and Utility, October 2012*

*Preoperative Tumor DTI and fMRI, October, 2012*

*Preoperative Task-Based fMRI: Techniques and Applications, October 2012*

**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) | Faculty neuroradiologist, director of neuroMRI, Kaiser Permanente |
| Santhosh Gaddikeri, MD | JNIS ’16, AJNR ‘18, ARRS ’13, ASNR ‘17 | Asssistant 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 | Assistant Professor, Stroke Neurology, University of Utah |
| Matthew Alexander, MD | JNNP ’16, JNIS ’16, Stroke ’16, WNRS ’14, ASNR ’15 (3), ISMRM ’16, ASNR ‘16 | Assistant Professor, Radiology, University of Utah |
| Thien Huynh, MD | JNS ’18, ASNR ’17, ASNR trainee grant ’17, JNR ‘19 | Assistant Professor, Radiology, Dalhousie University |
| Lei Wu, MD | Neurosurgery ’18, ASNR ’18, RSNA ‘18 | Assistant Professor, Radiology, University of Washington |
| Nathan M. Cross, MD | AJNR ‘19 | Assistant Professor, Radiology, University of Washington |
| Charles Colip, MD | RSNA ‘18 | Assistant Professor, Radiology, University of Washington |
| Jie Sun, MBBS | ASNR ’18, BJR ’19 | 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 | Tacoma Radiology Associates |
| Dinesh Sundarakumar, MBBS | ASNR ’15, ARRS ’15, AJNR ‘16 | Assistant Professor, Radiology, U of Texas-El Paso |
| Crysela 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 | Assitant Professor of Neurosurgery, UT San Antonio |
| Robert Bonow, MD | CCM ’17, ASNR ’17, JAMA Surgery ’18 (accepted), JNR ‘19 | UW Neurosurgery Resident |
| Justin Vranic, MD | Radiographics ’18, AJNR ’19, JNR ’19, RSNA ’17, ’18, ASNR ’18 | Neuroradiology Fellow, MGH |
| Cordelie Witt, MD | CCM ’17, JAMA Surgery ’18 (accepted) | UW Vascular Surgery resident |
| Jason Hartman, MD | ASNR ’18, BJR ’19 | UW Radiology Resident |
| 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, manuscript in preparation | 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 (in submission) | 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 | 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 | Radiology resident, Mt. Sinai |
| Mazen Zawaideh, MD | SPIE Medical Imaging ‘19 | UW Radiology Resident |
| Patricia Ojeda, MD | SPIE Medical Imaging ‘19 | UW Radiology Resident |
| Murat Oztek, MBBS | RSNA ’18, RSA ‘19 | UW Radiology Resident |
| Cory Kelly | ISC ’19, JNR ‘19 | UW Medical Student |
| Shamus Moran | ASNR ’19, JACR ‘20 | UW Radiology Resident |
| Bhagya Sannanja | ASNR ’19, ISMRM ‘19 | UW Neuroradiology fellow |
| Mohamed Ibrahim | ASNR ‘19 | UW Radiology Research fellow |
| Tarek Khrisat | ASNR ‘19 | UW Radiology Research fellow |
| Chengcheng Zhu, PhD | NIH R00 grant, ISMRM ‘20 | Research Assistant Professor, University of Washington |

1. **EDITORIAL RESPONSIBILITIES**

**2023** Guest Editor, Neuroimaging Clinics of North America

**2023** Guest Editor, Radiology Clinics of North America

**2020-** Senior Editor, British Journal of Radiology

**2018-2020** Associate Editor, British Journal of Radiology

**2015-2018** Editorial Board, Neurovascular Imaging

**2013-2014** Editorial Board, International Journal of Diagnostic Imaging

**8/2013** Digest Editor, American Journal of Neuroradiology, Carotid Imaging

**REVIEWER**

**2019-** European Radiology

**2019-** Neurosurgery

**2019-** Journal of Neuroradiology

**2018-** Journal of Neurology, Neurosurgery and Psychiatry

**2018-** Neurology

**2018-** Radiology

**2018-** IEEE Journal of Biomedical and Health Informatics

**2018-** Journal of Neurointerventional Surgery

**2017-** PLoS One

**2017-** Journal of Cerebral Bloodflow and Metabolism

**2017-** Scientific Reports

**2016-** Journal of Magnetic Resonance Imaging

**2015-** Stroke

**2015-** Journal of Magnetic Resonance Imaging

**2013-**  American Journal of Neuroradiology

**2014** BioMed Research International

**2012-**  Neuroradiology

**2012** Diagnostic and Interventional Radiology

1. **SPECIAL NATIONAL/INTERNATIONAL RESPONSIBILITIES**

**ASNR:** ASNR Grant Reviewer (Trainee and Scholar), 2105-

**German Research Foundation**: Grant Reviewer, 2018

**Agence Nationale de la Recherche (ANR)**, Grant Reviewer, 2018

**NIH NHLBI Grant Review:** Grant Reviewer, RFA (Cardiovascular and Pulmonary Research on e-cigarettes), 2018

**NIH Study Section member:** NIH Small Business Review Panel 2020/08 ZRG1 ETTN-C (10) B, 2020-Present

**Netherlands Organization for Scientific Research (NWO):** Grant Reviewer, 2018, 2021

**Swiss National Federation:** Grant Reviewer, 2019

**RSNA:** Grant Reviewer, 2022

**RSNA:** Emerging Issues COVID-19 study section organizer and grant reviewer, 2022

**NIH Clinical Translational Imaging Science:** Ad Hoc Reviewer, 2023

1. **SPECIAL LOCAL RESPONSIBILITIES**

**University of North Carolina**

**2022-2023 Vice Chair of Quality and Safety**

* Update department protocols and policies
* Restructure faculty workflows for final signing resident reports
* Develop protocol for appropriate procedural attire and PPE use
* Reinforce faculty procedural presence requirement and CMS requirements for faculty attestation
* Introduced ordering provider feedback survey for radiology services

**2022-2023 Medical Director of MRI**

* Shortened all MRI protocols to under 20 minutes to fit into 30 minute blocks
* Led a team to modify Epic ordering process to incorporate improved study descriptors for improved scheduling
* Led new workflow for schedulers to schedule to resource instead of to time for MRI
* Advanced MRI protocols to incorporate new 3D techniques and advanced imaging to better address clinical questions
* Created a document that served as the template for the UNC Medical Center leadership on how to enhance MRI efficiency and throughput

**2022-2023 Surgical Process Improvement Initiative Radiology Team Leader**

* Led a multi-disciplinary team focused on establishing goals for improving surgical access and throughput
  + Goal of increasing surgeries by 20%
* Led the tracking process for targets

**2022-2023 Redefining Patient-Centered Care, Data and Technology Team Leader**

* Develop and actuate a plan to enhance technological advancement and informatics capabilities at UNC Radiology

**University of Washington**

**2020-2021 Interim Director of Quality and Safety**

* Establish the quality and safety committee, functions, mission statement and organization, including subcommittee structure
* Develop the leadership structure and membership of the quality and safety committee and executive committee
* Recruit membership for the committee

**2019-2022 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
* 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

**2019-2022 Radiology Chief of Service, UWMC and NWH**

* 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
  + Initiative to increase efficiency in MRI across the enterprise
    - Shortening most frequently performed MRI protocols into 15-minute blocks
    - Improved technologist workflow
    - Incorporation of AI algorithm reconstruction of accelerated MRI acquisitions
    - Automated protocoling

**2019-2020 Acting Radiology Chief of Service, UWMC**

**2019-2022 Medical Director of 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
* Led MRI imaging modality working group
  + Focused on standardization of equipment and protocols across sites
  + Standardize protocols and workflows
  + Shorten block times to increase MRI throughput and improve revenues and margins

**2018-2020 Acting Chief of Service, Harborview Radiology**

* 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

**2017-2018 Associate Chief of Service, Harborview Radiology**

* 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

**2018- 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

**2018- 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

**2018- Destination One Planning 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

**2018-2021 Universal Viewer PACS upgrade, Executive Sponsor**

* Lead the radiologist group of champions responsible for testing and providing feedback for UV PACS optimization
* Responsible for decisions on UV PACS implementation with input from IT and radiology champions team

**2018-2021 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

**2017- 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

**2017-2021 Director of MRI Safety**

* 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

**2016-2019 Director, Cross-Sectional Neurovascular Imaging**

* Developed multi-delay 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

**2015-2021 Co-Chair, Contrast Policy Committee**

* 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

**2013-2021 Associate 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

**Other Local Responsibilities**

**2017-2018** Academic Productivity Committee

**2017-2018** Social Media Committee

**2017-2018** Diversity and Health Equity Committee

**2016** HMC Siemens MRI Research Symposium Organizer

**2016-2018** Residency Selection Committee, University of Washington

**2015** Reviewer, UW Royalty Research Foundation

**2013-2015** Resident Clinical Competencies Committee University of Washington

**2012-2014** Continuing Medical Education Committee University of Washington

1. **RESEARCH FUNDING**

**4/2022-9/2023** NIH NHLBI R43HL156327, A Rapid Carotid Atherosclerotic Disease Assessment System with 3D MRI, Role: Co-investigator, $249,389.

**9/2022-9/2027** NIH NINDS R01NS125635, Quantitative model-based ESUS reclassification using cardiac and cerebral vessel wall MRI, Role: PI, $4,560,643.

**9/2022-9/2026**  NIH NINDS R01NS127317, Automated Intracranial Vessel Wall Analysis Pipeline for Multi-contrast Multi-platform Applications, Role: mPI, $3,597,225.

**8/2022-8/2027**  NIH NHLBI R01HL162743, Investigation of the quantitative intracranial aneurysm wall enhancement and geometric features associated with aneurysm volume growth, Role: Co-Investigator, $2,412,638.

**12/2021-1/2024** Bayer Research, Chronic Post-COVID-19 Infection Neuroimaging and Cerebrovascular Imaging Findings: Correlation with Patient Outcomes**.** Role: PI, $309,412

**12/2021-12/2022** Philips Healthcare B164, Clinical Evaluation of Advanced MRI Acceleration and Reconstruction, Role: PI, $12,000.

**12/2021-12/2024** Philips Healthcare B150 , Impact of Radiology on Longitudinal Care, Role: Co-investigator. $240,000

**4/2021-4/2024** Bracco Healthcare, Optimized Approach to Vessel Wall MRI of Cerebral Aneurysms, Role: PI, $225,000.

**12/2021-12/2022** Regents of University of California, Reducing Intracranial atheroSclErosiS with Repatha (RISER) Role: Site PI, $73,500.

**9/2020-9/2022** Bayer BAY 20241,Multicenter, single-blind, adaptive dose finding study of single intravenous injections of BAY 1747846 with corresponding blinded read in adult participants with known or highly suspected CNS lesions referred for contrast-enhanced MRI of the CNS, Role: Site PI, $385,117. 0% effort.

**9/1/19-08/30/24** NIH/NIA R01 AG060942 01A1, Aging eyes and aging brains in studying Alzheimer’s disease: modern ophthalmic data collection in the ACT study, Role: Co-I, $3,000,000. 5% effort.

**6/2019-12/2019** RSNA Medical Student Grant, Radiomic Analysis of Diffusion Tensor Imaging to Predict Unfavorable Seizure Outcome One Year After Thermal Laser Ablation for Mesial Temporal Sclerosis, Role: Mentor, $6,000. 0% effort.

**6/2019-7/2021** NIH/NINDS R01 NS09220704S1, 3D VASCULAR MAPPING MRI TO UNRAVEL THE EFFECTS OF LARGE AND SMALL ARTERY DISEASE IN VASCULAR COGNITIVE IMPAIRMENT AND DEMENTIA, Role: mPI, $860,000. 10% effort.

**4/15/18-3/30/23** NIH/NIA R01RF1AG05632601A1, Reclaiming and Revitalizing ACT Neuroimaging Records, Role: Co-I, $3,000,000. 20% effort.

**8/1/18-7/31/21** Department of Defense, Ultrasound-based biomarker to identify tissue at risk for secondary injury after traumatic spinal cord injury, Role: Co-I, $1,493,613. 1% effort.

**6/1/16-5/31/20** NIH/NINDS R01 NS092207 01A1, *3D WALLI: MR intracranial vessel wall imaging for stroke prevention.* Role: mPI. Support: $3,000,000. 20% effort.

**6/18-6/19** UW-PPP, Advancement of quantitative DCE-MRI of the spine using independent component analysis, Role: PI, $46,453.

**7/1/17-9/30/19** Bracco IIS-US-0106, Increasing Spatial Resolution of Contrast-Enhanced MRA Using Optimal Injection Profiles, Role: PI, Support: $406,910.

**7/1/17-7/1/18** NIH StrokeNet, Assessment of high-risk carotid and intracranial plaque with MRI, Role: Mentor. Support $40,000.

**7/1/15-6/30/17** AUR GERRAF*Diffusion Tensor Imaging as a Prognostic Tool for Acute Traumatic Cervical Spinal Cord Injury* Role: PI. Support: $140,000. 30% effort

**12/18/15-12/17/16** UW-PPP, Vessel Wall Imaging for the Evaluation of Vulnerable Characteristics of Unruptured Intracranial Aneurysms, Role: PI, $39,843.

**7/1/15-12/10/18** NIH/NINDS R21AR068009 *Spine Surgical Care and Outcomes Assessment Program* Role: Co-Investigator. Support: $301,776.00. 2.5% effort

**10/16-12/17** ASNR, Correlation of VWI, CFD Simulations and Histology of Intracranial Aneurysms. Role: Mentor, Support: $20,000.

**7/1/16-6/17** RSNA, 3D MRI Sequence for Combined MRA and VWI of Intracranial Vascular Disease, Role: Mentor, Support: $49,495.

**7/1/15-6/30/16**  B79 Philips Healthcare A104955BN 80-1069 *Development and Verification of a 3D Plaque MRI Sequence for intracranial Vessel Wall Measurement Fellowship.* Role: Mentor, Co-investigator. Support: $53,077. 1% effort.

**12/8/15-12/17/16** UW-Philips Pilot Grant*Vessel Wall Imaging for the Evaluation of Vulnerable Characteristics of Unruptured Intracranial Aneurysm.* Role: PI. Support: $39,843. 1% effort.

**6/15/15-5/31/16** NIH/NINDS NIH IR56NS092207-01 *3D WALLI* Role: mPI Support $609,000. 20% effort.

**1/2012-6/2012**  Johns Hopkins *2012 Yousem Award. Diffusion/Perfusion Imaging in Canine Model of Hyperacute Spinal Cord Infarct.* Role: PI. Support: $7,500.

1. **BIBLIOGRAPHY**

**-Google Scholar**

**Total Citations (1/19/2023): 4816**

**h-index: 34**

1. **Peer Review Publications**
2. 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.
3. 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.
4. **M. Mossa-Basha,** M. Van Holsbeeck\*, *Musculoskeletal Infection*, Ultrasound Clinics, October 2007, W.B. Saunders, Philadelphia, PA, 2; 4: 639-653.
5. **Mossa-Basha M\*,** Fundaro G, Shah B, Ali S, Pantelic M, *DCIS of the Breast with Histopathologic Correlation*, Radiographics, 2010 Oct;30(6):1673-87. PMID: 21071382.

**Selected as self-assessment module by RSNA for ABR Recertification.**

1. **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.
2. E. Burton, **M. Mossa-Basha**, To Image or To Autopsy? Annals of Internal Medicine, Editorial, January 17, 2012, 156:158-159. PMID: 22250149.
3. 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.
4. **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.
5. **M. Mossa-Basha\***, A.T. Ilica, F. Maluf, I. Izbudak, N. Aygun, *The Many Faces of Fungal Disease in Paranasal Sinuses: CT and MR Imaging Findings*, Diagnostic and Interventional Radiology, 2013 May-Jun;19(3):195-200. PMID: 23271503.
6. **M. Mossa-Basha\***, D.M. Yousem, *Congenital Cystic Leisons of the Neck*, Applied Radiology, January 2013; 42 (1): 8-22.
7. **M. Mossa-Basha\***, A. Blitz, *Imaging of the Paranasal Sinuses*, Seminars in Roentgenology 2013 Jan; 48(1):14-34. PMID: 23158048.
8. Atasoy MM\*, Oren NC, Ilica AT, Güvenç I, Günal A, **Mossa-Basha M**, *Sonography of fat necrosis of the breast: Correlation with mammography and MR imaging*, J Clin Ultrasound. 2013 Sep;41(7):415-23. PMID: 23712620.
9. 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.
10. 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.
11. 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.
12. T. Miller, R. Shankar, **M. Mossa-Basha**, D. Gandhi\*, *Reversible Cerebral Vasoconstriction Syndrome, Part 1: Epidemiology, Pathogenesis, and Clinical Course*, AJNR, 2015 Aug; 36(8):1392-9. PMID: 25593203.
13. T. Miller, R. Shankar, **M. Mossa-Basha**, D. Gandhi\*, *Reversible Cerebral Vasoconstriction Syndrome, Part 2: Diagnostic Workup, Imaging Evaluation, and Differential Diagnosis*, AJNR, 2015 Sep; 36(9):1580-8. PMID: 25614476.
14. R. Morton\*, F. Tariq, M. Levitt, J. Nerva, **M. Mossa-Basha**, L. Sekhar, L. Kim, D. Hallam, B. Ghodke, *Traditional and Alternative Transvenous Access in the Treatment of Complex Carotid-Cavernous Sinus Fistulas: Radiographic and Clinical Outcome in 57 Patients*, Journal of Clinical Neuroscience, Journal of Clinical Neuroscience. 2015 May; 22(5):859-64. PMID: 25682541.
15. 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.
16. 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.
17. **M. Mossa-Basha\***, W.D. Hwang, A. De Havenon, D.S. Hippe, N. Balu, K.J. Becker, D.T. Tirschwell, T. Hatsukami, Y. Anzai, C. Yuan, *Multi-Contrast High Resolution Vessel Wall MRI and its Value in Differentiating Intracranial Vasculopathic Processes*, Stroke. 2015 Jun; 46(6):1567-73. PMID: 25953365.
18. PD Bailey, D Zacà, **M Mossa-Basha**, Si Agarwal, SK Gujar, HI Sair, J Eng, JJ Pillai\*, Presurgical fMRI and DTI for the prediction of perioperative motor and language deficits in primary or metastatic brain lesions, J Neuroimaging. 2015 Sep-Oct; 25(5):776-84. PMID: 26173383.
19. A De Havenon, C Yuan, DL Tirschwell, T Hatsukami, Y Anzai, KJ Becker, AS Qurraie, **M Mossa-Basha\***, Nonstenotic culprit plaque: the utility of high-resolution MRI of the intracranial vessel wall after ischemic stroke, Case Reports in Radiology, 2015;2015:356582. PMID: 26346855.
20. WD Hwang\*, **M Mossa-Basha**, JB Andre, D Hippe, Y Anzai, Qualitative Comparison of Dual-Energy Noncontrast Head CT Using Rapid Voltage Switching Technique and Conventional CT, Journal of Computer Assisted Tomography, 2016 Mar-Apr;40(2):320-5. PMID: 26720206.
21. **M Mossa-Basha\***, B Wasserman, Low-Grade Carotid Stenosis: Implications of MR Imaging, Neuroimaging Clinics of North America, 2016 Feb; 26(1):129-45. PMID: 26610665.
22. M Alexander, C Yuan, A Rutman, DL Tirschwell, G Palaggalo, D Gandhi, L Sekhar, **M Mossa-Basha**\*, High Resolution Intracranial Vessel Wall Imaging: Imaging Beyond the Lumen, Journal of Neurology Neurosurgery and Psychiatry, 2016 Jun; 87(6): 589-97. PMID: 26746187.
23. **M. Mossa-Basha\*,** M. Alexander, S. Gaddikeri, C. Yuan, D. Gandhi, Vessel Wall Imaging for Intracranial Vascular Disease Evaluation, Journal of Neurointerventional Surgery, 2016 Nov; 8(11):1154-1159. PMID: 26769729.
24. D. Sundarakumar\*, **M. Mossa-Basha**, W.D. Hwang, K. Maravilla, Evaluation of Focal Cervical Spinal Cord Lesions in Multiple Sclerosis: Comparison of White Matter Suppressed T1 Inversion Recovery Sequence Versus Conventional STIR and Proton Density Weighted Turbo Spin-Echo Sequences, AJNR, 2016 Aug; 37(8):1561-6. PMID: 27056424.
25. **M. Mossa-Basha\***, A. De Havenon, K.J. Becker, D. Hallam, M. Levitt, W. Cohen, D. Hippe, M. Alexander, D.L. Tirschwell, T. Hatsukami, C. Amlie-Lefond, C. Yuan, Added Value of High-Resolution Vessel Wall Imaging in the Differentiation of Moyamoya Vasculopathies in a Non-Asian Cohort, Stroke, 2016 Jul;47(7):1782-8. PMID: 27272486.
26. A. De Havenon\*, L. Chung, M. Park, **M. Mossa-Basha**, Intracranial Vessel Wall MRI: A Review of Current Indications and Future Applications, Neurovascular Imaging Journal, June 2016; 2:10.
27. D.M. Mandell\*, **M. Mossa-Basha**, Y. Qiao, C.P. Hess, F. Hui, C. Matouk, M.H. Johnson, M.J.A.P. Daemen, A. Vossough, M. Edjlali-Goujon, D. Saloner, S. Ansari, B.A. Wasserman, D. J. Mikulis; on behalf of the Vessel Wall Imaging Study Group of the American Society of Neuroradiology, Intracranial Vessel Wall MRI: Principles and Recommendations for Clinical Practice from the American Society of Neuroradiology, AJNR, 2017 Feb; 38(2):218-229. PMID: 27469212.
28. S. Mirbagheri, D. Eckhart Sorte, C. Zamora, **M. Mossa-Basha**, S.D. Newsome, I. Izbudak\*, Evaluation and management of longitudinally extensive transverse myelitis: a guide for radiologists, Clinical Radiology, 2016 Oct; 71(10):960-71. PMID: 27450408.
29. W. Brinjikji\*, **M. Mossa-Basha**, J. Huston III, G. Lanzino, A. Rabinstein, V. Lehman, Intracranial Vessel Wall Imaging for Evaluation of Steno-Occlusive Diseases and Intracranial Aneurysms, Journal of Neuroradiology, 2017 Mar; 44 (2): 123-134.
30. R.S. Rindler, FH Chokshi, JG Malcolm, SR Eshraghi, **M. Mossa-Basha**, J Chu, SN Kurpad, F Ahmad\*, Spinal diffusion tensor imaging in the evaluation of pre- and post-operative severity in cervical spondylotic myelopathy: A systematic review of the literature, World Neurosurgery, World Neurosurgery, 2017 Mar; 99: 150-158.
31. V. Lehman\*, W. Brinjikji, D. Kallmes, J. Huston, G. Lanzino, A. Rabinstein, A. Makol, **M. Mossa-Basha**, Clinical Interpretation of High-Resolution Vessel Wall MRI of Intracranial Arterial Diseases, British Journal of Radiology, 2016 Sep 20: 20160496.
32. V. Lehman\*, W. Brinjikji, **M. Mossa-Basha**, G. Lanzino, A. Rabinstein, D. Kallmes, J. Huston, Conventional and High Resolution Vessel Wall MRI of Intracranial Aneurysms: Current Concepts and New Horizons, Journal of Neurosurgery, 2018 Apr;128(4):969-981.
33. B. Quiney, S.M. Ying, D.S. Hippe, A. Urrudentia, D. Sundarakumar, **M. Mossa-Basha**\*, The Association of Intracranial Vascular Calcification and Stenoses with Acute Ischemic Cerebrovascular Events, Journal of Computer Assisted Tomography, 2017 Nov/Dec;41(6):849-853..
34. A. De Havenon\*, D. L. Tirschwell, J. Majersik, G. Stoddard, A. Moore, **M. Mossa-Basha**, High-risk features on carotid vessel wall MRI do not correlate with TCD emboli monitoring in patients with recent ischemic stroke, Neuroradiology Journal, 2017 Oct; 30(5): 486-489.
35. A. Rutman, E. Rapp, D. Hippe, B. Vu, **M. Mossa-Basha\***, T2\*-Weighted and Diffusion Magnetic Resonance Imaging Differentiation of Cerebral Fat Embolism From Diffuse Axonal Injury, Journal of Computer Assisted Tomography, 2017 Nov/Dec;41(6):877-883.
36. D.J. Peterson, A. Rutman, D. Hippe, J.G. Jarvik, F.H. Chokshi, M.R. Reyes, C.H. Bombardier, **M. Mossa-Basha\*,** Test-Retest and Inter-Reader Reliability of Semi-Automated Atlas-Based Analysis of Diffusion Tensor Imaging Data in Acute Cervical Spine Trauma in Adult Patients, AJNR, 2017 Oct; 38 (10): 2015-2020.
37. R. Bonow\*, C. Witt, B. Mosher, **M. Mossa-Basha**, M. Vavilala, F. Rivara, J. Cuschieri, S. Arbabi, R. Chesnut, Transcranial Doppler microemboli monitoring and stroke risk in blunt cerebrovascular injury, Critical Care Medicine, 2017 Oct; 45(10): e1011-e1017.
38. A. De Havenon\*, **M. Mossa-Basha**, L. Shah, S. Kim, M. Park, D. Parker, S. McNally, High-Resolution Vessel Wall MRI for the Evaluation of Intracranial Atherosclerotic Disease, Neuroradiology, 2017 Dec;59(12):1193-1202.
39. A. Rutman\*, D. Peterson, W. Cohen, **M. Mossa-Basha**, Diffusion Tensor Imaging Of The Spinal Cord: Clinical Value, Investigational Applications, and Technical Limitations, Current Problems in Diagnostic Radiology, 2018 Jul - Aug; 47(4):257-269.
40. **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, Stroke, Stroke. 2017 Nov;48(11):3026-3033.

**Stroke cover article**

1. A. Rutman\*, J. Vranic, **M. Mossa-Basha**, Imaging and Management of Blunt Cerebrovascular Injury, Radiographics, 2018 Mar-Apr; 38(2):542-563.
2. L. Chen, **M. Mossa-Basha**, N. Balu, G. Canton, J. Sun, K. Pimentel, T. Hatsukami, J. Hwang, C. Yuan\*, A Quantitative Measurement of Intracranial Vascular Features on 3D MRA Using Semi-automated Open-Curve Active Contour Vessel Tracing, Magnetic Resonance in Medicine, 2018 Jun;79(6):3229-3238.
3. V. Lehman\*, J. Huston, W. Brinjikji, D. Nasr, JP Klaas, A. Makol, **M. Mossa-Basha**, GW Petty, High Resolution Vessel Wall Imaging of Three Patients with Susac’s Syndrome, Journal of Neurosurgical Sciences, epub 9/28/2017.
4. S. Gadikheri\*, **M. Mossa-Basha**, J. Andre, D. Hippe, Y. Anzai, Optimal Fat suppression in head and neck MRI: Comparison of mDixon, spectral pre-saturation and inversion recovery, and short tau inversion recovery, AJNR, 2018 Feb;39(2):362-368.
5. L. Saba\*, C. Yuan, T.S. Hatsukami, N. Balu, Y. Qiao, J.K. Demarco, T. Saam, A.R. Moody, D. Li, C.C. Matouk, M.H. Johnson, H.R. Jäger, **M. Mossa-Basha**, M.E. Kooi, D. Saloner, M. Wintermark, D.J. Mikulis and B.A. Wasserman; on behalf of the Vessel Wall Imaging Study Group of the American Society of Neuroradiology, Carotid Artery Wall Imaging: Perspective and Guidelines from the ASNR Vessel Wall Imaging Study Group and Expert Consensus Recommendations of the American Society of Neuroradiology, AJNR, 2018 Feb;39(2):E9-E31.
6. **M. Mossa-Basha\***, T. Huynh, P. Fata, R. Morton, M. Levitt, Vessel Wall MRI Characteristics of Endovascularly-Treated Aneurysms: Association with Angiographic Vasospasm, Journal of Neurosurgery, Sept 21 2018 epub.
7. G.Sadigh\*, R.K. Menon, M. Bhojak, A. Aladi, **M. Mossa-Basha**, L. Wu, V.T. Lehman, W. Brinjikji, S. Dehkharghani, A. Derakhshani, F. Mossa-Basha, J.W. Allen, Radiologic Management of Angiographically-Negative, Spontaneous Intracranial Subarachnoid Hemorrhage: A Multi-center Study of Utilization and Diagnostic Yield, Neurosurgery, May 30 2018, epub.
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>.
9. 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 after Severe Traumatic Brain Injury, Neurosurgery, July 25 2018 epub.
10. JE Vranic, NM Cross, Y Wang, DS Hippe, E de Weerdt, **M Mossa-Basha\***, CS-SENSE Accelerated Brain Imaging: Reduced Scan Time without Reduced Image Quality, AJNR, 2019 Jan;40(1):92-98.
11. N. Balu\*, Z. Zhou, D. Hippe, T. Hatsukami, **M. Mossa-Basha**, C. Yuan, Accelerated multi-contrast high isotropic resolution 3D intracranial vessel wall MRI using a tailored k-space undersampling and partially parallel reconstruction strategy, Magnetic Resonance Materials in Physics, Biology and Medicine, Jan 3, 2019, epub.
12. L. Chen, **M. Mossa-Basha**, J. Sun, D. Hippe, N. Balu, Y. Quan, K. Pimentel, T. Hatsukami, J. Hwang, C. Yuan\*, Quantification of Morphometry and Intensity Features of Intracranial Arteries from 3D TOF MRA: A Reproducibility Study, Magnetic Resonance Imaging, Dec 20 2018, epub.
13. J.E. Vranic\*, T. Huynh, P. Fata, J. Barber, R. Bonow, M. Levitt, N. Temkin, R. Morton, C. Kelly, D. Shibata, **M. Mossa-Basha**, The Ability of Magnetic Resonance Black Blood Vessel Wall Imaging to Evaluate Blunt Cerebrovascular Injury Following Acute Trauma, J. Neuroradiology, Jan 21, 2019 epub.
14. J. Hartman, H. Watase, J. Sun, D.S. Hippe, L.J. Kim, M.R. Levitt, L. Sekhar, N. Balu, T. Hatsukami, C. Yuan, **M. Mossa-Basha\***, Intracranial Aneurysms at Higher Clinical Risk for Rupture Demonstrate Increased Wall Enhancement and Thinning on Multi-Contrast 3D Vessel Wall MRI, British Journal of Radiology, Jan 17, 2019, epub.
15. Majid Khan, Rahul Garg, Chengcheng Gui, Young Lee, Arjun Sahgal, **Mahmud Mossa-Basha**, Nina Mayr, Simon Lo, Kristin Redmond, Neuroimaging and Stereotactic Body Radiation Therapy (SBRT) for Spine Metastasis, Topics in Magnetic Resonance Imaging, Volume 28, Number 2, April 28 2019.
16. **M. Mossa-Basha\***, H. Watase, J. Sun, D. Shibata, D. Hippe, N. Balu, T. Hatsukami, C. Yuan, Inter-rater and Scan-rescan Reproducibility of the Detection of Intracranial Atherosclerosis on 3D Vessel Wall MRI, British Journal of Radiology, February 2019 epub.
17. S.K. Schaub, Y.D. Tseng, L.M. Halasz, E.L. Chang, A. Sahgal, R. Saigal, C.P. Hofstetter, M. Foote, A.L. Ko, W. Yuh, **M. Mossa-Basha**, N.A. Mayr, S.S. Lo, Strategies to mitigate toxicities from stereotactic body radiation therapy for spine metastases, Neurosurgery, 2019 Dec 1; 85(6): 729-740.
18. L Hwang, CC Okoye, RB Patel, A Sahgal, M Foote, KJ Redmond, C Hofstetter, R Saigal, **M Mossa-Basha**, W Yuh, NA Mayr, ST Chao, EL Chang, SS Lo\*, Stereotactic Body Radiotherapy for Benign Spinal Tumors, Journal of Radiosurgery and SBRT, Volume 6, Number 3 (2019), 167-177.
19. **M. Mossa-Basha\***, P.C. Gerszten, S. Myrehaug, N. Mayr, W. Yuh, P. Maralani, A. Sahgal, S. Lo, Spinal metastasis: diagnosis, management and follow-up., British Journal of Radiology, 2019 Nov; 92(1103): 20190211.
20. CC Young, RH Bonow, G Barros, **M Mossa-Basha**, LJ Kim, MR Levitt\*, Magnetic resonance vessel wall imaging in cerebrovascular diseases, Neurosurgical Focus, 2019 Dec 13; 47(6): E4.
21. J.E. Vranic\*, J.M. Romero, T.S. Hatsukami, J. Sun, **M. Mossa-Basha**, Imaging Features of Vulnerable Carotid Atherosclerotic Plaque and the Associated Clinical Implications, Current Treatment Options in Cardiovascular Medicine, 22, Article number: 21 (August 2020).
22. **M. Mossa-Basha**, C. Meltzer\*, D. Kim, M.J. Tuite, P. Kolli, B.S. Tan, COVID-19 Radiology Preparedness, Radiology Expert Scientific Panel, Radiology, 2020 Aug; 296(2): E106-E112.
23. M. Alexander, JS McNally, M. **Mossa-Basha**, A. DeHavenon, How Far Can We Take Vessel Wall MRI for Intracranial Atherosclerosis? The Tissue is Still the Issue., Editorial, AJNR, 2020 May; 41(5): E30-E31.
24. XV Nguyen\*, S Tahir, BW Bresnahan, JB Andre, EV Lang, **M. Mossa-Basha**, N Mayr, NJ Beauchamp, EC Bourekas, Prevalence and Financial Impact of Claustrophobia, Anxiety, Patient Motion, and other Patient Events in MRI, Topics in Magnetic Resonance Imaging, 2020 Jun;29(3):125-130.
25. MA Oztek\*, C Brunquell, MN Hoff, D Boulter, **M Mossa-Basha**, LH Beauchamp, DR Haynor, XV Nguyen, Practical Considerations for Radiologists in Implementing a Patient-Friendly MRI Experience, Topics in Magnetic Resonance Imaging, 2020 Aug;29(4):181-186.
26. XV Nguyen\*, MA Oztek, DD Nelakurti, CL Brunnquell, **M Mossa-Basha**, DR Haynor, LM Prevedello, Applying Artificial Intelligence to Mitigate Effects of Patient Motion or Other Complicating Factors on Image Quality, Topics in Magnetic Resonance Imaging, 2020 Aug;29(4):175-180.
27. MA Oztek, NA Mayr\*, **M Mossa-Basha**, M Nyflot, PA Sponseller, W Wu, CP Hofstetter, R Saigal, SR Bowen, DS Hippe, WTC Yuh, RD Stewart, SS Lo, The Dancing Cord: Inherent Spinal Cord Motion and its Effect on Cord Dose in Spine Stereotactic Body Radiation Therapy, Neurosurgery, 2020 Jun 4;87(6):1157-1166.
28. **M. Mossa-Basha**\*, J.R. Medverd, K.F. Linnau, J.B. Lynch, M.H. Wener, G. Kicska, T.O. Staiger, D. Sahani, Policies and Guidelines for COVID-19 Preparedness: Experiences from the University of Washington, Radiology, 2020 Aug; 296(2): E26-E31.
29. J. Hartman, C. Goiney, B. Carlson, S. Moran, D. Hippe, M. Zecevic, **M. Mossa-Basha**\*, ACR Appropriateness Criteria Facilitate Judicious Use of CTA for Stroke Workup in the Emergency Department, JACR, 2020 Apr 28: S1546-1440(20)30386-0.
30. C. Lee, S. Raoof, S.B. Patel, R.S. Pyatt, D.S. Kirsch, **M. Mossa-Basha**, M. Recht, R.C. Carlos\*, COVID-19 and Your Radiology Practice: Case Triage, Staffing Strategies, and Addressing Revenue Concerns, JACR, 2020 Jun;17(6):752-754.
31. L. Wu\*, D. Christiansen, L. Call, J. Vranic, C. Colip, D. Hippe, C. Witt, R. Bonow, **M. Mossa-Basha**, Natural History of Blunt Cerebrovascular Injury: Experience Over a 10-year Period at a Level I Trauma Center, Radiology, 2020 Nov;297(2):428-435.
32. Li Chen; Stephen R Dager; Dennis W Shaw; Neva M Corrigan; **Mahmud Mossa-Basha**; Kristi D Pimentel; Natalia M Kleinhans; Patricia K Kuhl; Jenq-Neng Hwang; Chun Yuan\*, A Novel Algorithm for Refining Cerebral Vascular Measurements in Infants and Adults, Journal of Neuroscience Methods, 2020 Jul 1; 340:108751.
33. **M. Mossa-Basha**\*, K. Linnau, D.V. Sahani, Radiology Department Preparedness in the COVID-19 Post-Shutdown Environment, JACR, 2020 Jul; 17(7):890-893.
34. **M. Mossa-Basha**\*, J. Deese, D. Vincic, D.V. Sahani, COVID-19: Radiology Department Financial Impact and Planning for Post-COVID Recovery, JACR, 2020 Jul;17(7):894-898.
35. R. Sharpe\*, B. Kuszyk, **M. Mossa-Basha**, RSNA COVID-19 Task Force, Special Report of the RSNA COVID-19 Task Force: Preliminary assessment of the short- and long-term financial impact of the COVID-19 pandemic on private radiology practices, Radiology, 2021 Jan;298(1): E11-E18.
36. Lindsey Call, Qian Qiu, Jeff Morris, Brian Flaherty, Monica Vavilala, Brianna Mills, Susan Bratton, **Mahmud Mossa-Basha**\*, Characteristics of Pediatric Patients with Traumatic Epidural Hematomas Who Can Be Safely Observed: A Clinical Validation Study, British Journal of Radiology, 2020 Oct 1;93(1114):20190968.
37. Xia Tian, Bing Tian\*, Zhang Shi, Xiao Wu, Wenjia Peng, Xuefeng Zhang, Ajay Malhotra, **Mahmud Mossa-Basha**, Laligam Sekhar, Qi Liu, Jianping Lu, Chunhong Hu, Chengcheng Zhu, Assessment of intracranial atherosclerotic plaques using 3D black blood MRI: comparison with 3D time-of-flight MRA and DSA, JMRI, 2021 Feb; 53(2):469-478.
38. J. Ko\*, G. Liu, J. Klein, **M. Mossa-Basha**, J. Azadi, Pulmonary Covid-19: Multi-Modality Imaging Examples, Radiographics, 2020 Nov-Dec;40(7):1893-1894.
39. Y Wang, X Wu, C Zhu, **M Mossa-Basha**, A Malhotra\*, Bridging thrombolysis achieved better outcomes than direct thrombectomy: an updated meta-analysis, Stroke, 2021 Jan;52(1):356-365.
40. J. Vranic, J. Hartman, **M. Mossa-Basha**, Intracranial Vascular Disease and Vessel Wall Imaging, Neuroimaging Clinics of North America, 2021 May;31(2):223-233.
41. RH Bonow\*, CE Witt, **M Mossa-Basha**, J Cuschieri, S Arbabi, M Vavilala, FP Rivara, RM Chesnut, Aspirin versus anticoagulation for stroke prophylaxis in blunt cerebrovascular injury: a retrospective cohort study, Journal of Neurosurgery, epub March 26, 2021.
42. L. Saba\*, **M. Mossa-Basha**, A. Abbott, L. Giuseppe, T. Hatsukami, G. Micheletti, A. Balestrieri, U. Hedin, A. Moody, M. Wintermark, K. DeMarco, Multi-national survey of current practice from imaging to treatment of atherosclerotic carotid stenosis, Cerebrovascular Diseases, 2021;50(1):108-120.
43. J. Zhang, X. Li, B. Zhao, L. Wang, J. Zhang, B. Sun, X. Liu, J. Yan, **M. Mossa-Basha**, H. Zhao, J. Xu, C. Zhu\*, Irregular pulsation of intracranial unruptured aneurysm detected by four-dimensional CT angiography is associated with increased rupture risk, Journal of Neurointerventional Surgery, 2021 Sep;13(9):854-859.
44. C. Meltzer, R. Wiggins, **M. Mossa-Basha**, et al, Misleading Public Statements About COVID, JACR, J Am Coll Radiol. 2021 Jan; 18(1 Pt A):6-7.
45. B. Sarikaya, C. Colip, W.D. Hwang, D. Hippe, C. Zhu, J. Sun, N. Balu, C. Yuan, **M. Mossa-Basha**\*, Comparison of TOF MRA and Intracranial Vessel WALL MRI for Luminal Measurements Relative to CTA, British Journal of Radiology, 2021 Feb 1;94(1118):20200743.
46. **M. Mossa-Basha**\*, D. Peterson, D. Hippe, J. Vranic, C. Hofstetter, MR Reyes, C Bombardier, J Jarvik, Segmented Quantitative Diffusion Tensor Imaging Evaluation of Acute Traumatic Cervical Spinal Cord Injury, British Journal of Radiology, 2021 Feb 1;94(1118):20201000.
47. Q. Fu, Y. Wang\*, Y. Zhang, Y. Zhang, X. Guo, H. Xv, Z. Yao, M. Wang, M. Levitt, **M. Mossa-Basha**, J. Zhu, J. Cheng, S. Guan, C. Zhu, Qualitative and Quantitative Assessment of Aneurysmal Wall Enhancement in Symptomatic Patients with Unruptured Intracranial Aneurysms: A Vessel Wall MRI Study, Stroke, 2021 Jan;52(1):213-222.
48. **M. Mossa-Basha**\*, M. Schnall, C. Meltzer, L. Oleaga, C. Filippi, M. Mahoney, L. Donoso, B.S. Tan, Special Report of the RSNA COVID Task Force: Crisis Leadership of Major Health System Radiology Departments During COVID-19, Radiology, 2021 Apr; 299(1): E187-E192.
49. **M. Mossa-Basha**, Using CT and MRI Scans after Intervention for Stroke to Predict Patient Outcomes, Radiology, 2021 Jul;300(1):160-161.
50. C. Zhu, A. Malhotra, **M. Mossa-Basha**, Imaging of Vulnerable Intracranial Atherosclerotic Plaque for Embolic Stroke of Undetermined Source, Journal of American College of Cardiology, 2021 Jun 22;77(24):3140.
51. Zhang Shi\*, Chengcheng Zhu, Xuefeng Zhang, Andrew J. Degnan, Jing Li, Bing Tian, Xia Tian, Wenjia Peng, Tao Jiang, **Mahmud Mossa-Basha**, David Saloner, Qi Liu, Jianping Lu, Progression of Plaque Burden of Intracranial Atherosclerotic Plaque Predicts Recurrent Stroke/Transient Ischemic Attack: A Pilot Follow-Up Study Using Higher-Resolution MRI, JMRI, 2021 Aug; 54(2): 560-570.
52. **M. Mossa-Basha**\*, C. Zhu, L. Wu, Vessel Wall MRI in the Pediatric Head and Neck, Magnetic Resonance Imaging Clinics of North America, 2021 Nov; 29 (4): 595-604.
53. Zhou Z, Chen S, Balu N, Chu B, Zhao X, Sun J, **Mossa-Basha M**, Hatsukami T, Bornert P, Yuan C\*, Neural Network Enhanced 3D Turbo Spin Echo for Intracranial Vessel Wall Imaging, Magnetic Resonance Imaging, 2021 Feb 4; 78: 7-17.
54. RH Bonow, CE Witt, **M Mossa-Basha**, J Cuschieri, S Arbabi, M Vavilala, FP Rivara, RM Chesnut, In Reply: Aspirin versus anticoagulation for stroke prophylaxis in blunt cerebrovascular injury: a dispute not yet closed, Journal of Neurosurgery, epub March 26, 2021.
55. CG Colip, S Wo, DS Hippe, H Watase, AR Urdaneta-Moncada, L Wu, J Vranic, C Kelly, MR Levitt, **M Mossa-Basha**\*, CTA Findings Predictive of Post-Intervention Vasospasm in Patients with Aneurysmal Subarachnoid Hemorrhage, British Journal of Radiology, 2021 May 1; 94(1121): 20200893.
56. X Li, B Sun, L Wang, J Zhang, J Zhang, Z Zhao, H Wu, X Liu, Y Zhou, **M Mossa-Basha**, D Tirschwell, J Xu, H Zhao, C Zhu, Association of Type 2 Diabetes Mellitus and Glycemic Control with Intracranial Plaque Characteristics in Patients with Acute Ischemic Stroke, JMRI, 2021 Aug; 54(2): 655-666.
57. Y. Wang, M. Cheng, S. Liu, G. Xie, L. Liu, X. Wu, A. Malhotra, **M. Mossa-Basha**, Chengcheng Zhu, Shape-related features instead of maximal diameter of intracranial aneurysm are associated with rupture in a large Chinese cohort, JNIS, 2021 Apr 21: neurintsurg-2021-017452.
58. M.A. Oztek, **M. Mossa-Basha**, R. DeConde; M.A. Mogensen; N.M. Cross; W. Cohen; W.T.C. Yuh, Is a Close Follow-up CT Necessary for Acute Falcine and Tentorial Subdural Hematoma? Journal of Computer Assisted Tomography, in press.
59. B. Sun\*, L. Wang, X. Li, J. Zhang, X. Liu, H. Wu, Y. Zhou, **M. Mossa-Basha**, J. Xu, H. Zhao, C. Zhu, Intracranial atherosclerotic plaque characteristics and burden associated with recurrent acute stroke: a 3D quantitative vessel wall MRI study, Frontiers in Aging Neuroscience, 2021 Jul 28; 13: 706544.
60. CB Hirschfeld, LJ Shaw, MC Williams, R Lahey, TC Villines, S Dorbala, AD Choi, NR Shah, DA Bluemke, DS Berman, R Blankstein, M Ferencik, J Narula, D Winchester, E Malkovskiy, B Goebel, MJ Randazzo, J Lopez-Mattei, P Parwani, JV Vitola, RJ Cerci, N Better, P Raggi, B Lu, V Sergienko, V Sinitsyn, T Kudo, B Linde Nørgaard, P Maurovich-Horvat, YA Cohen, TNB Pascual, Y Pynda, M Dondi, D Paez, AJ Einstein, INCAPS-COVID Investigators Group (**M Mossa-Basha**), Impact of COVID-19 on Cardiovascular Testing in the United States Versus the Rest of the World: The INCAPS-COVID Study, JACC Cardiovascular Imaging, 2021 Sep; 14(9): 1787-1799.
61. A.L. Ko\*, A.P.S. Tong, **M. Mossa-Basha**, K. Weaver, J.G. Ojemann, J.W. Miller, S. Hakimian, Effects of laser interstitial thermal therapy for mesial temporal lobe epilepsy on the structural connectome and its relationship to seizure freedom, Epilepsia, in press.
62. F Zhang, Y Ran, M Zhu, X Lei, J Niu, X Wang, Y Zhang, S Li, J Zhu, X Gao, **M Mossa-Basha**, J Cheng, C Zhu, The use of Pointwise Encoding Time Reduction with radial Acquisition (PETRA) MRA to assess middle cerebral artery stenosis pre- and post-stent angioplasty: comparison with 3D Time-of-Flight MRA and DSA, Frontiers in Cardiovascular Medicine, 2021 Sep 9; 8: 739332.
63. T. Li, Y. Wang, J. Ma, M. Levitt, **M. Mossa-Basha**, M. Zhu, Y. Ran, J. Ren, X. Han, C. Zhu, Application of high-resolution flat detector computed tomography in stent implantation for intracranial atherosclerotic stenosis, Frontiers in Neuroscience, 2021 Aug 27; 15: 655594.
64. JP Nickerson, M Wood, **M Mossa-Basha**, CG Filippi, D Zarnow, J Ji, JA Biegel, Y Akkari, G Ishak, R Barajas, High-grade glial tumors associated with ETV6-NTRK3 gene fusion: imaging appearance with pathological correlate, Neurographics, Volume 12, Number 2, 1 April 2022, pp. 71-78(8).
65. J. Feng, X. Liu, Z. Zhang, Q. Zhang, Y. Jiang, W. You, X. Huo, P. Liu, H.Ge, H. Jin, Y. Wang, **M. Mossa-Basha**, D. Saloner, Y. Li, C. Zhu. Better visualization and thickness quantification of intracranial aneurysm wall: A comparison study of 7T and 3T MR vessel wall imaging, European Radiology, epub October 13, 2021.
66. P Zhou, Y Wang, J Sun, Y Yu, **M Mossa-Basha**, C Zhu, Assessment of therapeutic response to statin therapy in patients with intracranial or extracranial atherosclerosis by vessel wall MRI: a systematic review and updated meta-analysis, Frontiers in Cardiovascular Medicine, 2021 Oct 27; 8: 742935.
67. T Kudo, R Lahey, CB Hirschfeld, MC Williams, B Lu, M Alasnag, M Bhatia, HSH Bom, T Dautov, R Fazel, G Karthikeyan, FYJ Keng, R Rubinshtein, N Better, S Rodrigo, J Cerci, S Dorbala, P Raggi, LJ Shaw, TC Villines, JV Vitola, AD Choi, E Malkovskiy, B Goebel, YA Cohen, M Randazzo, TNB Pascual, Y Pynda, M Dondi, Diana Paez, AJ Einstein, INCAPS-COVID Investigators Group (**Mossa-Basha**), Impact of COVID-19 Pandemic on Cardiovascular Testing in Asia: The IAEA INCAPS-COVID Study, JACC: Asia, Volume 1, Issue 2, September 2021, Pages 187-199.
68. C. Zhu, **M. Mossa-Basha**, Wall Enhancement as an Emerging Marker of Intracranial Aneurysm Stability: Roadmap Towards a Potential Target for Clinical Trials, European Journal of Neurology, 2021 Nov; 28(11): 3550-3551.
69. **M. Mossa-Basha**, E.A. Krupinski, C.G. Filippi, R.E. Sharpe, M. Giger, Report from the RSNA COVID-19 Task Force: COVID-19 Impact on Academic Radiology Research- A Survey of Vice Chairs of Research, JACR, 2021 Dec 3: S1546-1440 (21) 00938-8.
70. J. Hartman, S. Moran, C. Zhu, D. Hippe, D. Zamora, **M. Mossa-Basha**\*, Use of CTA Test Dose to Trigger a Low Cardiac Output Protocol Improves Acute Stroke CT Perfusion Data Quality, American Journal of Neuroradiology, 2022 Mar;43(3):388-393.
71. Y. Guo, G. Canton, L. Chen, J. Sun, N. Balu, J. Liu, D. Xu, **M. Mossa-Basha**, T.S. Hatsukami, C. Yuan, Multi-planar, multi-contrast and multi-time point analysis tool (MOCHA) for intracranial vessel wall characterization, Journal of Magnetic Resonance Imaging, 2022 Sep;56(3):944-955.
72. J. Zhang, X. Li, B. Zhao, L. Wang, J. Zhang, B. Sun, X. Liu, J. Yan, **M. Mossa-Basha**, L. Kim, Y. Zhou, H. Zhao, J. Xu, C. Zhu, Irregular Pulsation of Aneurysmal Wall Is Associated with Symptomatic and Ruptured Intracranial Aneurysms, Journal of Neurointerventional Surgery, February 15, 2022 epub.
73. **M. Mossa-Basha**\*, C. Zhu, Beyond the AJR: Differential Outcomes When Performing Non-Contrast CT Head, CT Perfusion and MRI for Stroke Decision-Making, American Journal of Roentgenology, 2022 Jul;304(1):153-154.
74. B. Tian, C. Zhu, X. Tian, Q. Kang, C. Shao, **M. Mossa-Basha**, J. Lu, D. Saloner, Baseline Vessel Wall MRI characteristics Associated with In-stent Restenosis for Intracranial Atherosclerotic Stenosis, Journal of Neurointerventional Surgery, March 1, 2022 epub.
75. **M. Mossa-Basha**, C. Zhu, White Matter Hyperintensities and their relationship to Outcomes after Stroke Intervention, Radiology, epub 3/29/2022.
76. S. Ahmad, M. Jhaveri, **M. Mossa-Basha**, M.A. Oztek, J. Hartman, S. Gaddikheri, A Comparison of CT-Guided Bone Biopsy and Fluoroscopic-Guided Disc Aspiration as Diagnostic Methods in the Management of Spondylodiscitis, Current Problems in Diagnostic Radiology, 2022 Sep-Oct;51(5):728-732.
77. R. Li, P. Zhou, X. Chen, **M. Mossa-Basha**, C. Zhu, Y. Wang, Construction and evaluation of multiple Radiomics models for identifying the instability of intracranial aneurysms based on CT angiography, Frontiers in Neurology, 2022 Apr 11;13: 876238.
78. A. Rutman\*, M. Aksakal, P. Wangaryattawanich, **M. Mossa-Basha**, Incidental Findings on Brain Magnetic Resonance Angiography, British Journal of Radiology, March 31, 2022 epub.
79. H Kang, D Tian, X Yang, Y Zhang, B Sui, M Turhon, **M. Mossa-Basha**, MR Levitt, D Hasan, C Zhu, A randomized controlled trial of statins to reduce inflammation in unruptured cerebral aneurysms: Results from the Statin Treatment for UnruptureD Intracranial anEurysms Study (STUDIES), JACC Cardiovascular Imaging, 2022 Sep; 15 (9): 1668-1670.
80. B. Sannananja, C. Zhu, C. Colip, A. Somasundaram, M. Ibrahim, T. Khrisat, **M. Mossa-Basha**\*, Image Quality Assessment of 3D Intracranial Vessel Wall MRI Employing DANTE or DANTE-CAIPI for Blood Suppression and Imaging Acceleration, American Journal of Neuroradiology, 2022 Jun;43(6):837-843.
81. **M Mossa-Basha**\*, C Zhu, C Yuan, L Saba, DA Saloner, M Edjlali, NV Stence, DM Mandell, JA Romero, Y Qiao, DJ Mikulis, BA Wasserman, Survey of the American Society of Neuroradiology Membership on the Utilization and Value of Intracranial Vessel Wall MRI, American Journal of Neuroradiology, 2022 Jul;43(7):951-957.
82. A. Sarrami, D. Bass, A. Rutman, M. Alexander, M. Aksakal, C. Zhu, M. Levitt, **M. Mossa-Basha**\*, Intracranial Hypertension: Approaches to Imaging, Diagnosis and Treatment, British Journal of Radiology, 2022 Aug 1;95(1136):20220136.
83. P. Wangaryattawanich\*, A. Rutman, S. Petcharunpaisan, **M. Mossa-Basha**, Incidental Findings on Brain Magnetic Resonance Imaging (MRI) in Adults: A Review of Imaging Spectrum, Clinical Significance, and Management, British Journal of Radiology, 2022 May 10 epub.
84. G. Salazar, **M. Mossa-Basha**\*, M.P. Kohi, L.M. Burke, Short-Term Mitigation Steps During the Iohexol Contrast Shortage: A Single Institution’s Approach, Journal of the American College of Radiology, 2022 Jul;19(7):841-845.
85. T. Grist\*, C. Canon, E. Fishman, M.P. Kohi, **M. Mossa-Basha**, Short-, Mid-, and Long-Term Strategies to Managing the Iohexol Contrast Shortage, Radiology, 2022 Aug;304(2):289-293.
86. Einstein AJ, Hirschfeld C, Williams MC, et al, INCAPS COVID 2 Investigators Group (**Mossa-Basha M**), Worldwide Disparities in Recovery of Cardiac Testing 1 Year Into COVID-19, Journal of American College of Cardiology, 2022 May 24;79(20):2001-2017.
87. J Sun, **M Mossa-Basha**, G Canton, N Balu, Y Guo, L Chen, D Xu, DS Hippe, KD Pimentel, TS Hatsukami, C Yuan, Distribution and Morphology of Non-Stenotic Atherosclerotic Plaques in Intracranial Arteries: A Vessel Wall Imaging Study, Journal of Stroke and Cerebrovascular Disease, 2022 Oct; 31 (10): 106719.
88. A Singh, A Davis, B Taylor, S Peters, D Tirschwell, W.T. Longstreth Jr, **M Mossa-Basha**, M Nash, S Khot, Diagnostic evaluation and outcome of cerebral fat embolism, Journal of Stroke and Cerebrovascular Diseases, 2022 Oct 7; 31 (12): 106794.
89. **M Mossa-Basha**\*, C Yuan, BA Wasserman, TS Hatsukami, N Balu, A Gupta, C Zhu, L Saba, D Li, JK DeMarco, VT Lehmann, Y Qiao, HR Jager, M Wintermark, W Brinjikji, CP Hess, DA Saloner, Survey of the American Society of Neuroradiology Membership on the Utilization and Value of Extracranial Vessel Wall MRI, American Journal of Neuroradiology, December 2022 epub.
90. Y. Wang, M. Mossa-Basha, C. Zhu, Spontaneously ruptured aortic plaque: a potential cause for frequently observed cerebral infarct?, JACC Asia, November 2022 epub.
91. R. Diab, D. Chang, C. Zhu, M. Levitt, M. Aksakal, M. Levitt, T. Huynh, T. Romero, **M. Mossa-Basha**\*, Advanced Imaging of Aneurysms, British Journal of Radiology, Nov 18, 2022 epub.
92. S. Wang, Q.Y. Liu, J. Li, Y. Zhang, X. Leng, **M. Mossa-Basha**, M.R. Levitt, C. Zhu, Calcium channel blocker is associated with lower incidence of intracranial aneurysm rupture and growth in hypertensive patients, Journal of Neurosurgery, in press.
93. B. Sannannanja, C. Zhu, **M. Mossa-Basha**\*, Vessel Wall Imaging in Cryptogenic Stroke, Radiology Clinics of North America, in press.
94. J.M. Romero, **M. Mossa-Basha**, Imaging Approaches for Cerebrovascular Disease- The Latest and Greatest, Radiology Clinics of North America, in press.
95. A. Peret, G. Romero-Sanchez, M. Dabiri, J.S. McNally, K.M. Johnson, **M. Mossa-Basha**, L. Eisenmenger, MRA in Extracranial Carotid Disease, MRI Clinics of North America, in press.

\*Corresponding author

1. **Book Chapters**
2. Mahmud Mossa-Basha, *Head CT and MR: Evidence Based Imaging and Prediction Rules*, in: Imaging of Traumatic Brain Injury, Thieme- New York, 2014.
3. Mahmud Mossa-Basha and Simion Zinreich, *Imaging of the Anterior Skull Base*, in: Tumors of the Sinuses and Skull Base, Springer, 2015.
4. Justin Vranic and Mahmud Mossa-Basha, Vessel wall imaging, evidence and future direction, in: New Vessel Wall Based Imaging Techniques for Diagnosis, Treatment and Prevention, 2019.
5. Chun Yuan, Tom Hatsukami and Mahmud Mossa-Basha, Introduction, in: New Vessel Wall Based Imaging Techniques for Diagnosis, Treatment and Prevention, 2019.
6. L. Chen, G. Wang, N. Balu, M. Mossa-Basha, Z. Zhao, R. Li, L. He, T. Hatsukami, J. Hwang, C. Yuan\*, Simultaneous Intracranial Artery Tracing and Segmentation from Magnetic Resonance Angiography by Joint Optimization from Multiplanar Reformation, In: Machine Learning and Medical Engineering for Cardiovascular Health and Intravascular Imaging and Computer Assisted Stenting, p 201-209. Lecture Notes in Computer Science, vol 11795. Springer, Oct. 2019.
7. Andrew Stacey, Mahmud Mossa-Basha, Ido Didi Fabian, Uveal Melanoma with Extraocular Spread, In: Atlas of Orbital Imaging, Springer, 2020.
8. Chun Yuan, Mahmud Mossa-Basha, Zachary Miller, and Zechen Zhou, Neurovascular vessel wall imaging: new techniques and clinical applications, In: Advanced Neuro MR Techniques and Applications, Elsevier, 2021.
9. Zihao Zhang, Anja van der Kolk, Geert Grooteplein, Mahmud Mossa-Basha, Chengcheng Zhu, Neurovascular Disease, In: Ultra-high field Neuro MRI, Elsevier, 2022.
10. Mahmud Mossa-Basha, Wende Gibbs, J. Levi Chazen, Jason Talbott, Foreword, In: Spine Trauma Imaging, Springer, 2023.
11. Mahmud Mossa-Basha, Imaging of Spinal Cord Trauma, In: Spine Trauma Imaging, In: Spine Trauma Imaging, Springer, 2023.
12. **Book Editor Responsibilities**
13. Editors: Chun Yuan, Tom Hatsukami and Mahmud Mossa-Basha, New Vessel Wall Based Imaging Techniques for Diagnosis, Treatment and Prevention, Springer, 2019.
14. Editors: Mahmud Mossa-Basha, Wende Gibbs, Jason Talbott, J. Levi Chazen, Spine Trauma Imaging, Springer, 2023.
15. **Other Publications**
16. ACR CPI Neuroradiology Module, 2018, Contributing author, <https://shop.acr.org/Default.aspx?TabID=55&ProductId=788349324#viewmore>
17. J. Azadi; C. Menias; J. Ko; J. Klein; C. Meltzer; **M. Mossa-Basha**; COVID-19 Task Force, Example Reports of Typical, Indeterminate, Atypical, and Negative Category CTs, with some selected correlative image examples, RSNA, April 2020, <https://www.rsna.org/-/media/Files/RSNA/Covid-19/RSNA-COVID19ChestCT-ReportExample>
18. **M. Mossa-Basha**; J. Azadi; J. Ko; J. Klein; C. Meltzer, RSNA COVID-19 Task Force: Best Practices for Radiology Departments during COVID-19, RSNA, April 2020, <https://www.rsna.org/-/media/Files/RSNA/Covid-19/RSNA-COVID-19-bestpractices.ashx?la=en&hash=58700DDDEDB3E5A9C8EDE80BE534B4ABB10291B7>
19. **M. Mossa-Basha**, J. Ko, J. Azadi, E. Velez, C. Meltzer, RSNA COVID-19 Task Force: Surge Preparedness, RSNA, May 2020, <https://www.rsna.org/-/media/Files/RSNA/covid-19/RSNA-COVID-19-Surge-Preparedness.pd>
20. **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>
21. “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>
22. **M. Mossa-Basha**, “Contrast Media Shortage Podcast”, Radiology Podcast, 5/24/2022, Radiology Podcasts | RSNA: Managing Contrast Media Shortage (libsyn.com).
23. 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.

**Conference Papers**

1. A Reynolds, E Byrd, A Davis, **M Mossa-Basha**, S Khot, Inflammatory Cerebral Amyloid Angiopathy Mimicking an Aggressive Glioma, Neurology 82 (10 Supplement), P2. 104.
2. M. E. Guevara, W. Lin, **M. Mossa-Basha\***, FRI0247 Black Blood MRI/A for Diagnosis of Large Vessel Vasculitis, Annals of the Rheumatic Diseases 06/2014; 73(Suppl 2):472-473.
3. 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, Journal of Neuroimaging 25 (2), 335.
4. Ali Sultan-Qurraie, Adam de Havenon, **Mahmud Mossa-Basha**, William T Longstreth, Kyra J Becker, David L Tirschwell, Abstract T MP33: Younger Age And Anticoagulation Are Risk Factors For Pseudoaneurysm In Cases Of Cervical Arterial Dissection, Stroke. 2015; 46: ATMP33.
5. Faiz Ahmad, Rima Rindler, Sheila Eshraghi, Falgun Chokshi, **Mahmud Mossa-Basha**, Bryan Buster, Jason Chu, Gustavo Pradilla, Role of Spinal Diffusion Tensor Imaging in Predicting Post-operative Outcome in Cervical Degenerative Pathologies, Global Spine Journal 6 (S 01), GO294.
6. Christopher Goiney, Blake Carlson, Annemarie Relyea-Chew, Claire Creutzfeldt, Chun Yuan and **Mahmud Mossa-Basha**, Abstract WP260: Imaging Appropriateness Criteria May Guide Effective Use of CT Angiography in Acute Stroke Workup, Stroke. 2017;48: AWP260.
7. Niranjan Balu, Zechen Zhou, **Mahmud Mossa-Basha** and Chun Yuan, Abstract WP125: Accelerated 3d Isotropic High-resolution Multi-Contrast Intracranial Vessel Wall MRI For Large Artery Stroke Evaluation, Stroke. 2017;48: AWP125.
8. Kurt Sansom, **Mahmud Mossa-Basha**, Chun Yuan, Maria de Gador Canton, Alberto Aliseda, Intracranial Vascular Disease Evaluation With Combined Vessel Wall Imaging And Patient Specific Hemodynamics, Bulletin of the American Physical Society, 11/2017.
9. L. Chen, Y. Xie, J. Sun, N. Balu, **M. Mossa-Basha**, K. Pimentel, T. Hatsukami, J. Hwang, C. Yuan, 3D intracranial artery segmentation using a convolutional autoencoder, IEEE BIBM, Nov 2017.
10. P. Ojeda, M. Zawaideh, **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", Proc. SPIE 10949, Medical Imaging 2019: Image Processing, 109493J (15 March 2019); doi: 10.1117/12.2513167; https://doi.org/10.1117/12.2513167
11. Li Chen, Wenjin Liu, Niranjan 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.
12. **Manuscripts in Submission**
13. G Wu, C Zhu, H Wang, D Fu, X Lu, C Cao, L Huang, **M Mossa-Basha**, S Xia, Culprit Plaque Burden and Co-Existing Intracranial and Extracranial Atherosclerosis Predict Stroke Recurrence, Stroke, manuscript submitted.
14. H Kang, D Tian, X Yang, Y Zhang, B Sui, M Turhon, **M Mossa-Basha**, MR Levitt, D Hasan, C Zhu, A randomized controlled trial of statins to reduce inflammation in unruptured cerebral aneurysms: Results from the Statin Treatment for UnruptureD Intracranial anEurysms Study (STUDIES), JAMA Neurology, manuscript submitted.
15. LT van der Kamp, M Edjlali, O Naggara, T Matsushige, DO Bulters, R Digpal, C Zhu, D Saloner, P Hu, H Zhang, **M Mossa-Basha**, B Tian, S Sakamoto, Q Fu, Y Ruigrok, H Zhao, H Chen, GJE Rinkel, IC van der Schaaf, MDI Vergouwen, Intracranial aneurysm wall enhancement predicts aneurysm growth and rupture during follow-up: a multicenter cohort study, European Stroke Journal, manuscript submitted.
16. X Bai, P Fan, Z Li, **M Mossa-Basha**, Y Ju, X Zhao, Q Kong, B Sui, C Zhu, Middle cerebral artery plaque characteristics and perforator morphology are associated with subcortical infarctions in the lenticulostriate arteries territory: a 7T MRI study, Neuroimage, manuscript submitted.
17. H Kang, **M Mossa-Basha**, W Zhou, Y Ju, X Bai, X Yang, B Sui, CZhu, Wall enhancement and lumen stenosis changes of the CNS isolated vasculitis with different treatment strategy, JCMR, manuscript submitted.
18. A Beibei, L Xiao, S Zhang, T Qhehe, **M Mossa-Basha**, H Zhao, C Zhu, Optimized Reference Structure and timing for Evaluating Quantitative Intracranial Atherosclerotic Plaque Enhancement: A Multi-phase Contrast-enhanced Vessel Wall MRI Study, JMRI, manuscript submitted.
19. R Li, P Zhou, E Kao, C Zhu, **M Mossa-Basha**, Yuting Wang, Unilateral Cerebral Arterial Tortuosity: Associated with Aneurysm Occurrence, but Potentially Inversely Associated with Aneurysm Rupture, AJNR, manuscript submitted.
20. **M Mossa-Basha**, J Andre, E Yuh, D Hunt, N Lapiana, B Howlett, C Krakauer, P Crane, J Nelson, M DeZelar, K Meyers, E Larson, J Ralston, C MacDonald, Comparison of brain imaging and physical health between research and clinical neuroimaging cohorts of aging, AJNR, manuscript submitted.
21. **ABSTRACTS**
22. 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.
23. Mossa-Basha M, Marin H, Radio-pathologic Correlation of Low-Grade Temporal Neoplasms, abstract and poster, American Society of Neuroradiology, Vancouver, Canada, May 2009.
24. 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.
25. 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.
26. 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.
27. Deib G, Mossa-Basha M, Upadhya 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.
28. Deib G, Upadhya 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
29. 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.**
30. 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.
31. 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**.**
32. 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.
33. M. Mossa-Basha, Hyperammonemic Encephalopathy in the Setting of Late Onset Ornithine Transcarbamylase Deficiency, RSNA Case of the Day, Chicago, IL, November 2012,.
34. M. Mossa-Basha, Cerebral Fat Embolism in the Setting of Sickle Cell Hemoglobinopathy, RSNA Case of the Day, November 2012, Chicago, IL.
35. 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.
36. 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.
37. 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.
38. 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.
39. 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.
40. 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.
41. D. Eckart, S. Newsome, A. Poretti, E. Boltshauser, M. Mossa-Basha, T. Huismann, I. Izbudak, Longitudinally Extensive Myelopathy in Adults and Children: The Spectrum of Pathology on MRI, May 2013, ASNR, San Diego, CA.
42. 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.
43. Rutman A, Mossa-Basha M, Palagallo, G. Multimodality Imaging of Cerebral Vasculitis, electronic exhibit, RSNA 2013, Chicago, IL.
44. 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
45. 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.
46. M. Mossa-Basha, Epidural Extramedullary Hematopoiesis, RSNA Case of the Day, RSNA 2013, Chicago, IL.
47. 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.
48. 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.
49. 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.
50. 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, 6/2014.
51. 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**
52. 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.
53. M Mossa-Basha, W Lin, M Guevera, T Gazitt, G Hughes, Imaging Beyond the Lumen: Vessel Wall Imaging in Large-Vessel Vasculitis Utlizing Black-Blood MRI, abstract and poster, RSNA, Chicago, IL, Nov. 2014.
54. 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.
55. 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.
56. De Havenon, A. 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.
57. 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.
58. 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.
59. 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.
60. 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.
61. A.De Havenon, 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.
62. 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.
63. 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.
64. 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.
65. 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.
66. 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.
67. 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.
68. 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.
69. 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**
70. A. Rutman, C. Yuan, W.D. Hwang, D. Hippe, N. Balu, T. Hatsukami, D Tirschwell, A. DeHavenon, M. Mossa-Basha High Resoulution Intracranial Vessel Wall Imaging of Atherosclerotic Plaque Characteristics: Correlation with Patient Symptoms. Oral presentation, RSNA, Chicago, IL, Dec. 2015.
71. 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.
72. 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 I Cervical Degenerative Pathologies, oral presentation, Spine Summit, Orlando, FL, March 2016.
73. R.Sestokas Rindler, F. Chokshi, S. Eshraghi, M. Mossa-Basha, 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
74. R.Sestokas Rindler, F. Chokshi, S. Eshraghi, M. Mossa-Basha, J. Malcolm, J. Chu, F. Ahmad. Role of Spinal Diffusion Tensor Imaging in Predicting Post-Operative Outcome in CervicalDegenerative Pathologies. Oral presentation, Global Spine Congress/World Forum of Spine Research, Dubai, U.A.E, April 2016
75. 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
76. 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
77. 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
78. 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
79. 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
80. 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
81. 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, 10/2016.
82. A.M. Rutman, Mossa-Basha M., More Than Just Dull Trauma: The Blunt Trauma on the Imaging and Management of BCVI. Space #: NR135-ED-X. Exhibit displayed at 2016 RSNA Annual Meeting selected for solicitation education article for RadioGraphics 2017. **Certificate of Merit.**
83. 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.
84. 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.
85. 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.
86. 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
87. 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, Honululu, HI, April 2017.
88. 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.
89. 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.
90. 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.
91. 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.
92. 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.
93. 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.
94. 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
95. 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.
96. 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
97. 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.
98. 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.
99. 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.
100. P. Albertine, M. Mossa-Basha, Incidence and Clinical Significance of Blunt Cerebrovascular Injury in Trauma Pan Scans, ASNR, Vancouver, BC, CA, June 2018.
101. 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.
102. 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.
103. 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.
104. 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.
105. 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.
106. 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.
107. 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.
108. 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.
109. J.E. Vranic, R.P. DeConde, K.J. Becker, A. De Havenon, M. Nagel, C. Amlie-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.
110. L. Wu, M. Mossa-Basha, Blunt Cerebrovascular Injury: 10-Year Experience at a Level I Trauma Center, RSNA, Chicago, IL, Dec 2018.
111. 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.
112. 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.
113. 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, Honululu, HI, Feb. 2019.
114. 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.
115. 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, Honululu, HI, Feb. 2019.
116. 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.
117. 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.
118. 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.
119. 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.
120. 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.
121. 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.
122. 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.
123. 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.
124. 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
125. 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
126. Hoff MN, Tesfaldet M, Clarke P, Mossa-Basha M, Brunnquell CL, Cross NM, Generation of an infallible enterprise MRI safety policy and training framework, Japanese Society of Medical Physicists, Yokohama, Japan, 2020.
127. 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.
128. 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.
129. 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.
130. 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
131. 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.
132. 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.
133. 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, 12/2020.
134. 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.
135. 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.
136. Li Chen, Wenjin Liu, Niranjan 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.
137. 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.
138. 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.
139. 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.
140. 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.
141. 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.
142. 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.
143. 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.
144. 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, Honululu, HI, April 2023.
145. 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.
146. 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.
147. 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.
148. 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
149. **OTHER**

**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 Hematotopoiesis 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. MR Imaging in Stroke, **Health4theWorld** Grand Rounds Lecture for African radiology residents and faculty, February 2020.
8. **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, March 2020, <https://www.youtube.com/user/RSNAtube>
9. **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>
10. **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>
11. **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>
12. **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>
13. **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>
14. **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>
15. 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
16. **Mossa-Basha M**, Radiology Preparedness in the Age of COVID, **AuntMinnie.com**, virtual meeting, May 1, 2020.
17. **M. Mossa-Basha**, C. Meltzer, W. Dillon, J. Brink, J. Borgstede, *COVID-19: Health4theWorld Leadership Panel*, **Health4theWorld**, April 24, 2020.
18. **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.gehealthcare.com/article/radiology-coming-back-after-covid-19)
19. **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
20. **M. Mossa-Basha**, J. Becker, S. Lo, V. Venur, Spine Oncology, ASSR Webinar, December 18, 2021.
21. **M. Mossa-Basha**, A. Vagal, W. Gibbs, Education Advances: Spinal Cord Imaging, ASNR Webinar, January 26, 2022.
22. **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
23. **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)
24. **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)
25. **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
26. **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)
27. **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)
28. **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,
29. **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,

**RESEARCH/PRESENTATIONS**

**Visiting Professorships**

1. **Mossa-Basha M***, Imaging of Spinal Vascular Malformations*,**University of Washington**, Division of Neuroradiology, November 2011.
2. **Mossa-Basha M**, *Advanced Imaging Techniques of Cerebral Arteriovenous Malformations*, **University of Maryland**, Department of Radiology, Division of Neuroradiology, June 2012.
3. **Mossa-Basha M**, *Imaging of Brain Tumors,* **Henry Ford Health System**, Department of Radiology, Detroit, MI, July 2012.
4. **Mossa-Basha, M**, *Sinonasal Imaging*, **University of Vermont**, Department of Radiology, Burlington, VT, May 2013.
5. **Mossa-Basha M**, *Intracranial Vessel Wall Imaging*, **University of Vermont**, Department of Radiology, Burlington, VT, May 2013.
6. **Mossa-Basha M**, *Added Value and Applications of Intracranial Vessel Wall Imaging*, **Duke University Radiology Grand 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, 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**, Intracranial Vessel Wall Imaging, **Massachusetts General Hospital**, Boston, MA, October 23 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 Extramedullary Spine, Extradural Spine, Degenerative Spine Disease, Traumatic Brain Injury, Sept. 2020.
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 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 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/International Lectures and Moderator Activity**

**American Heart Association Scientific Sessions Meeting**

**Invited Speaker**

1. Vascular Calcifications: Role of Intracranial Vessel Wall Imaging, **AHA Scientific Sessions Meeting**, Chicago, IL, November 2014.

**Neurocritical Care Society**

**Invited Speaker**

1. Practice Update: Neuroimaging, **Neurocritical Care Society Annual Meeting**, Scottsdale, AZ, Oct. 2015.

**American Society of Spine Radiology**

**Invited Speaker**

1. Diffusion Tensor Imaging As a Tool in Spine Trauma Evaluation, **ASSR**, Bonita Springs, FL, Feb. 2016.
2. Advances in Diffusion Imaging of the Spine, **ASSR**, San Diego, CA, Feb. 2017.
3. Is DTI the Missing Link for Spinal Cord Injury? **ASSR**, Miami, FL, February 22 2019.
4. Spinal Jeopardy Game Show, **ASSR Annual Symposium**, Dana Point, CA, Feb 2020.
5. Advanced Spinal Cord Imaging, **ASSR Annual Symposium**, Dana Point, CA, Feb 2020.
6. Imaging Biomarkers in Spinal Cord Injury, **ASSR**, Virtual Meeting, February 2021.
7. Mossa-Basha M, Diffusion Imaging in Spine Trauma: Realistic Biomarker?, **ASSR**, Austin, TX, February 2022.
8. Mossa-Basha M, Advanced Imaging of Spine Oncology, **American Society of Spine Radiology**, Charleston, SC, February 11, 2023.

**American Society of Neuroradiology**

**Invited Speaker**

1. Mossa-Basha M, Pros & Cons of Vessel Wall Imaging: Indications, Applications, Resource Allocation, ASNR, Chicago, IL, May 2, 2023.
2. Use of DTI in Spinal Cord Injury, **ASNR**, New York City, NY, May 15, 2022.
3. Practical Vascular Anatomy for Cross-Sectional Imaging, **ASNR**, New York City, NY, May 14, 2022.
4. Dizziness: The Role of Brain MRI and MRA, **ASNR**, New York City, NY, May 16, 2022.
5. Vessel Wall Imaging Survey Results, **American Society of Neuroradiology**, Las Vegas, NV, June 4, 2020.
6. Multi-Contrast Vessel Wall Imaging, **American Society of Neuroradiology,** Vancouver, BC, Canada, June 2018.
7. Evidence for Spine DTI and How to Do it Well**, American Society of Neuroradiology,** Vancouver, BC, Canada, June 2018.
8. Evidence for Vessel Wall Imaging in Acute Ischemic Stroke, **American Society of Neuroradiology**, Vancouver, BC, Canada, June 2018.
9. Diffusion Tensor Imaging of the Spine, **American Society of Neuroradiology**, Long Beach, CA, April 2017.
10. Evidence Based Medicine: Vessel Wall Imaging of Blunt Cerebrovascular Injury, **American Society of Neuroradiology**, Washington, DC, May 2016.
11. Intracranial Vessel Wall Imaging, **American Society of Neuroradiology**, Washington, DC, May 2016.
12. Imaging of MoyaMoya Disease and Syndrome, **American Society of Neuroradiology**, Chicago, IL, April 2015.
13. Vessel Wall Imaging: Imaging Beyond the Lumen, **American Society of Neuroradiology**, Chicago, IL, April 2015.

**Moderator**

1. Young Professionals 2: Advanced Imaging: Starting Your Own Service Annual Meeting, **ASNR**, Chicago, Illinois, April 25-30, 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. Evidence Based Medicine: Blunt Cerebrovascular Injury, Moderators- M. Mossa-Basha and Y. Anzai, **ASNR**, Washington, DC, May 2016.
4. ASNR Evidence Based Medicine Session, Intracranial Vessel Wall Imaging, Moderators- Mahmud Mossa-Basha, Hediyeh Baradan, **ASNR**, San Francisco, CA, May 2021.
5. Brain: Development, Anatomy, Function, and Lesions: Vasculature, Mahmud Mossa-Basha, Kambiz Nael, Maria de Fatima Viana Basco, **ASNR**, New York City, NY, May 2022.

**American Society of Functional Neuroradiology**

**Invited Speaker**

1. DTI of the Spinal Cord, **ASFNR**, San Francisco, CA, November, 2019.
2. DTI Characterization of Spinal Cord Injury, **ASFNR**, Santa Fe, NM, September 21, 2021.
3. Mossa-Basha M, Clinical Applications of Intracranial Vessel Wall MRI, **ASFNR**, Maui, HI, August 26-30, 2022.

**Moderator**

1. Advanced Imaging Techniques, Moderators- M. Mossa-Basha, J. Nickerson, A. Baig, **ASFNR**, Portland, OR, Oct. 2017.
2. Vascular Imaging, Moderators- Mahmud Mossa-Basha, Jason Allen, Bhagya Sannananja, **ASFNR**, Santa Fe, New Mexico, Sept 18-21-2021.
3. Diffusion Weighted Imaging, Mahmud Mossa-Basha and Frank Yu, **ASFNR**, Maui, HI, August 2022.

**Association of University Radiologists**

**Invited Speaker**

1. Diffusion Tensor Imaging as a Prognostic Tool for Traumatic Cervical Spinal Cord Injury, **AUR Annual Meeting**, New Orleans, LA, April 2015.

**Moderator**

1. Women’s Imaging; Neuroradiology, **AUR Annual Meeting**, March 2016
2. GERRAF Research in Progress: Session I, Moderators- M. Mossa-Basha, F. Chokshi, S. Demehri, H. Umphrey, **AUR**, San Diego, CA, March 2016.
3. GERRAF Research in Progress: Session I, Moderators- M. Mossa-Basha, P. Kim, J. Jarvik, **AUR**, Hollywood, FL, May 2017.
4. RAHSR Session, Association of University Radiologists, Moderators- M. Mossa-Basha, S. Kang, **AUR**, Baltimore, MD, April 9 2019.

**GERRAF Retreat**

**Invited Speaker**

1. DTI of the Spine for Prognostication of Acute Traumatic Cervical Spinal Cord Injury, **AUR GERRAF Retreat**, San Diego, CA, Feb. 2016.
2. DTI of the Spine for Prognostication of Acute Traumatic Cervical Spinal Cord Injury, **AUR GERRAF Retreat**, San Diego, CA, Feb. 2017.
3. DTI of the spinal cord in Spinal Cord Injury, **AUR GERRAF Retreat**, La Jolla, CA, February 2018.

**Radiological Society of North America**

**Invited Speaker**

1. Intracranial Vessel Wall Imaging, **RSNA**, Chicago, Illinois, December, 2016.
2. Intracranial Vessel Wall MRI, **RSNA**, Chicago, IL, December 2017.
3. Oncodiagnosis: Imaging of Spinal Metastases, **RSNA**, Chicago, IL, December 2017.
4. Small Grant Opportunities for Young Investigators, **RSNA**, Chicago, IL, December 2017.
5. Introduction to Academic Radiology: Small Grant Opportunities for Trainees, **RSNA**, Chicago, IL, November 2018.
6. Intracranial Vessel Wall Imaging, **RSNA**: Stroke Course, Chicago, IL, December 2020.
7. Mossa-Basha M, Vessel Wall Imaging, Advanced Cerebrovascular Imaging, **RSNA**, Chicago, IL, November 27-December 2, 2021.
8. Mossa-Basha M, Workflow Changes During and Post-COVID-19, **RSNA**, Chicago, IL, November 27-December 2, 2021.
9. Mossa-Basha M, High-Resolution Intracranial Vessel Wall Imaging for Stroke Prevention: Ready for Prime Time?, **RSNA**, Chicago, IL, December 2022.

**Moderator**

1. Vascular disease of the Head and Neck Scientific Session, **RSNA**, Chicago, IL, November 2015.
2. Stroke Course, **RSNA**, Chicago, IL, December 2020.
3. Hot Topic Session: Neurological and Neuroimaging Manifestations of COVID-19, Moderators- M. Mossa-Basha, D. Shatzkes, **RSNA**, Chicago, IL, December 2020.
4. Hot Topic Session: Department Readiness for Disasters-Lessons Learned from COVID, Moderators- M. Mossa-Basha, B.S. Tan, **RSNA**, Chicago, IL, December, 2020.
5. Advanced Cerebrovascular Imaging- Mahmud Mossa-Basha, **RSNA**, Chicago, IL, November 27-December 2, 2021.
6. Covid Conundra: Imaging Practice during the Covid-19 Pandemic, Mahmud Mossa-Basha, Max Rosen, **RSNA**, Chicago, IL, November 27-December 2, 2021.
7. Stroke: Advances in Imaging for Stroke Prevention, Mahmud Mossa-Basha, **RSNA**, Chicago, IL, December 2022.
8. Neuroradiology Brain: Vascular/Stroke (Diagnosis and Treatment), Mahmud Mossa-Basha, **RSNA**, Chicago, IL, December 2022.

**International Society of Magnetic Resonance in Medicine**

**Invited Speaker**

1. Intracranial Vessel Wall Imaging, **ISMRM**, Honululu, HI, April 2017.
2. Compressed Sensing for MRI, **ISMRM**, Honululu, HI, April 2017.
3. Disruption on Academic Practice and Research, **ISMRM**, Virtual presentation, August 2020.
4. 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.
5. Mossa-Basha M, Vessel Wall Imaging: Extracranial, Course: Vascular Pathology & Imaging, **ISMRM**, Vancouver, BC, Canada, May 2021.

**Western Neuroradiological Society**

**Invited Speaker**

1. Intracranial Vessel Wall MRI, **Western Neuroradiological Society**, Kauai, HI, October 2017.
2. New Kids on the Block - The Latest and Greatest in Vascular Imaging, **Western Neuroradiological Society**, Reno, NV, October 2020.
3. Vessel Wall Imaging in Stroke, **Western Neuroradiological Society**, Reno, NV, October 6-10, 2021.

**American Roentgen Ray Society**

**Invited Speaker**

1. Vessel Wall MRI, **American Roentgen Ray Society**, Washington, DC, April 2018.
2. Vessel Wall Imaging: Techniques and Applications, **American Roentgen Ray Society**, Chicago, IL, May 2020.
3. Mossa-Basha M, The Benefits and Applications of Intracranial Vessel Wall Imaging in Clinical Practice, **ARRS**, New Orleans, LA, May 1-5, 2022.
4. Mossa-Basha M, Cord injuries and evaluation - advanced imaging, **American Roentgen Ray Society**, Honululu, HI, April 16-20, 2023.

**Moderator**

1) Neuroradiology: Imaging Tools and Techniques, Wende Gibbs and Mahmud Mossa-Basha, **ARRS**, New Orleans, LA, May 2022.

**Armed Forces Institute of Radiological Pathology (AIRP)**

**Invited Speaker**

1. Big Data and Research: Managing Large Databases-Research in Blunt Cerebrovascular Imaging, **AIRP VOICE**, Washington DC, February 2019.
2. Research in Technology Assessment: Establishing Yourself in a New Space, **AIRP VOICE**, Washington DC, February 2019.
3. Big Data and Research: Managing Large Databases-Research in Blunt Cerebrovascular Imaging, **AIRP VOICE**, Washington DC, October 2019.
4. Research in Technology Assessment: Establishing Yourself in a New Space, **AIRP VOICE**, Washington DC, October 2019.

**Society of Interventional Radiology**

**Invited Speaker**

1. Neuroimaging in Acute Stroke: MRI, **SIR**, Austin, TX, March 27 2019.
2. Neuroimaging in Acute Stroke: MRI, **SIR**, originally Seattle, WA, now virtual meeting, 2020.
3. Mossa-Basha M, MRI and MR Perfusion in Acute Stroke, **Society of Interventional Radiology**, Virtual Meeting, March 2021.
4. Mossa-Basha M, MRI and MR Perfusion in Acute Stroke, **Society of Interventional Radiology**, Boston, MA, June 2022.

**Meeting of the American Physical Society Division of Fluid Dynamics**

**Invited Speaker**

1. 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.

**Japanese Society for Neuroendovascular Therapy**

**Invited Speaker**

1. Intracranial Vessel Wall MRI: Techniques, Value and Applications, **JSNET2020**, Kyoto, Japan, Nov. 19-21, 2020.

**Health Connect Partners**

**Invited Speaker**

1. Financial and Operational Impact of COVID-19 and Responses in Radiology, **Health Connect Partners Radiology Virtual Conference**, September 30, 2020.

**Siemens International MRI Research Conference**

**Invited Speaker**

1. Intracranial Vessel Wall Imaging: Added Value, Techniques and Applications, **Siemens International MRI Research and Development Conference**, September 2014.

**Korean Congress of Radiology**

**Invited Speaker**

1. Radiology Preparation for the Next Pandemic, **Korean Congress of Radiology**, Seoul, Korea, September 1-4, 2021.
2. Workflow Changes During COVID-19 and Post-COVID, **Korean Congress of Radiology**, Seoul, Korea, September 1-4, 2021.
3. Opening Introduction: KCR-RSNA Joint Symposium, COVID, **Korean Congress of Radiology**, Seoul, Korea, September 1-4, 2021.

**Moderator**

1. Radiology in the Era of COVID-19- Mahmud Mossa-Basha, Jin-Young Choi, Korean Congress of Radiology, Seoul, Korea, September 2021.
2. Post-COVID Vaccination and Radiology- Mahmud Mossa-Basha, Jin-Young Choi, Korean Congress of Radiology, Seoul, Korea, September 2021.

**AHRA: The Association of Medical Imaging Management**

**Invited Speaker**

1. Imaging in the Fastlane: Increasing MRI Efficiency and Workflows, Virtual meeting, February 2021.

**Society of Magnetic Resonance Angiography**

**Invited Speaker**

1. Clinical Implications of Vessel Wall Imaging and Applications, **Society of Magnetic Resonance Angiography**, Tshinghua, China, September 10-12, 2021.
2. Automated Vessel Segmentation: Grand Challenge Session, **Society of Magnetic Resonance Angiography**, Tshinghua, China, September 10-12, 2021.
3. Fireside Chat: A Career in Vascular MRI, **Society of Magnetic Resonance Angiography**, Tshinghua, China, September 10-12, 2021.
4. 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.

**Moderator**

1) Mahmud Mossa-Basha, Ye Qiao, Scientific Session II: Vessel Wall MRI, **Society of Magnetic Resonance Angiography**, Los Angeles, CA, Aug 23-26, 2022.

2) 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.

**MICCAI**

**Invited Speaker**

1. Automated Vessel Segmentation: Approaches and Value, **MICCAI 2021**, Strassbourg, France, October 2021.

**ACR Annual Conference on Quality and Safety**

**Invited Speaker**

1. Using Incidental Findings Detection and Recommendations to Measure Quality of Care, ACR 2021 Annual Conference on Quality and Safety, virtual, October 14-16, 2021.

**Mexican Neurological Society XLV Annual Meeting**

**Invited Speaker**

1. Intracranial Vessel Wall MRI for Evaluation of Cerebrovascular Disease, **XLV Annual Congress of the Mexican Academy of Neurology**, Mexico City, Mexico, November 2021.
2. 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.

**NeuroRadRecife**

**Invited Speaker**

1. Mossa-Basha M, Intracranial Vessel Wall Imaging: Interpretation and Potential Pitfalls, Recife, Brazil, August 13, 2022.
2. Mossa-Basha M, Vessel Wall Imaging in Stroke and Hemorrhage Assessment, Recife, Brazil, August 13, 2022.
3. Mossa-Basha M, Stroke Imaging, Recife, Brazil, August 13, 2022.

**Society of Cardiovascular MRI**

**Invited Speaker**

1. Intracranial Vessel Wall MRI, Virtual Meeting, Feb 2-5, 2022.

**Learning Community in Radiology**

**Invited Speaker**

1. 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.
2. 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.
3. 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.

**Other**

**Invited Speaker**

1. Mossa-Basha M, Intracranial Vessel Wall Imaging, **VIL 25th Anniversary Symposium**: The Foundations and Future of Vessel Wall Imaging, Seattle, WA, September 23, 2022.
2. Mossa-Basha M, WALLI and intracranial vessel wall imaging, **Utah Vascular Imaging Research Symposium**, Cottonwood Heights, UT, March 3-4, 2023.
3. 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.

**In the Press**

1. “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)](https://www.elsevier.com/about/press-releases/research-and-journals/american-college-of-radiology-and-healthcare-institutions-actively-address-global-shortage-of-contrast-media)
2. “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)](https://www.news-medical.net/news/20220623/American-College-of-Radiology-issues-risk-mitigation-strategies-to-address-contrast-media-shortage.aspx)
3. “American College of Radiology and healthcare institutions actively address global shortage of contrast media”, **EurekaAlert!**, June 23, 2022, [American College of Radiology and healthcare | EurekAlert!](https://www.eurekalert.org/news-releases/956872#:~:text=%E2%80%9CNavigating%20the%20COVID-19%20pandemic%20has%20helped%20radiology%20departments,Carolina%20at%20Chapel%20Hill%2C%20Chapel%20Hill%2C%20NC%2C%20USA.)
4. “Timely Webinar to Address Contrast Media Shortage”, **RSNA News**, May 24, 2022, [Contrast Media Shortage Webinar | RSNA](https://www.rsna.org/news/2022/may/Contrast-Media-Shortage-Webinar)
5. “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>
6. “America’s Chronic Drug Shortage Problem”, **Tradeoffs** Podcast (contributor), June 16, 2022, [America's Chronic Drug Shortage Problem - Tradeoffs](https://tradeoffs.org/2022/06/16/contrast-media-shortage/)
7. “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](https://backtracks.fm/discover/s/radiology-podcasts-rsna/fcc381d68bedcfcc/e/managing-contrast-media-shortage/d4ee48106e665b8f)
8. “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)](https://www.auntminnie.com/index.aspx?sec=sup&sub=imc&pag=dis&ItemID=135969)
9. “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)](https://www.radiologybusiness.com/topics/healthcare-management/healthcare-quality/6-categories-contrast-ct-prove-ripe-revisiting).
10. “CT contrast shortage is rippling throughout radiology”, Kate Madden, **Auntminnie.com**, May 19, 2022, [CT contrast shortage is rippling throughout radiology (auntminnie.com)](https://www.auntminnie.com/index.aspx?sec=sup&sub=cto&pag=dis&ItemID=135904).
11. “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)](https://www.rsna.org/news/2022/april/Radiology-Preparedness)
12. “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)](https://newsroom.uw.edu/postscript/radiologists-gain-diagnostic-speed-and-expertise-ai)
13. “Enhancing MR Suite Efficiency During the Pandemic”, McKenna Bryant, **Applied Radiology**, January 5, 2022, [Enhancing MR Suite Efficiency During the Pandemic (appliedradiology.com)](https://www.appliedradiology.com/communities/mr-community/enhancing-mr-suite-efficiency-during-the-pandemic)
14. “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)](https://www.radiologybusiness.com/topics/artificial-intelligence/radiology-research-pandemic-rsna-covid-19-task-force)
15. “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>
16. “Castle Connolly Top Doctors Since 2018”, **Castle Connolly**, May 2021, [Dr. Mahmud Mossa-Basha - Neuroradiology - Seattle, WA | Castle Connolly](https://www.castleconnolly.com/top-doctors/mahmud-mossa-basha-neuroradiology-128cc224391)
17. “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](https://www.seattlemag.com/top-doctors/top-doctors-seattle-2021)
18. “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)](https://www.acr.org/Practice-Management-Quality-Informatics/ACR-Bulletin/Articles/April-2021/Looking-Back-Looking-Forward)
19. “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>
20. “Neuroradiologists pen letter opposing Atlas”, **Auntminnie.com**, October 26, 2020, <https://www.auntminnie.com/index.aspx?sec=nws&sub=rad&pag=dis&ItemID=130614>
21. “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>
22. “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> “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>
23. “Radiology practices struggle to survive amid COVID-19”, Medical Express, July 17, 2020, <https://medicalxpress.com/news/2020-07-radiology-struggle-survive-covid-.html>
24. “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>
25. “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>
26. “COVID-19: Health4theworld Radiology Leaders Panel”, UCSF Radiology, April 24, 2020, <https://radiology.ucsf.edu/events/covid-19-health4theworld-radiology-leaders-panel>
27. “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>
28. “A Post-COVID-19 Plan from a Rad Department on the Leading Edge”, Whitney J. Palmer, **Diagnostic Imaging**, May 27, 2020, <https://www.diagnosticimaging.com/covid-19/post-covid-19-plan-rad-department-leading-edge>
29. “Radiology departments must look long-term to build financial resiliency after the pandemic”, Matt O'Connor, **Health Imaging**, May 27, 2020, <https://www.healthimaging.com/topics/healthcare-economics/radiology-long-term-financial-resiliency-pandemic?utm_source=newsletter&utm_medium=hi_news>
30. “Global Healthcare Community to Unite in World's Biggest Virtual Event Omnia Health Live”, **Yahoo! Finance**, May 22, 2020, <https://finance.yahoo.com/news/global-healthcare-community-unite-worlds-111100401.html>
31. “Global Healthcare Community to Unite in World's Biggest Virtual Event Omnia Health Live”, **Yahoo! News**, May 22, 2020, <https://news.yahoo.com/global-healthcare-community-unite-worlds-111100401.html>
32. “RSNA publishes COVID-19 radiology surge and post-surge preparedness guidance”, **Insurance Daily News**, May 21, 2020, <https://insurancenewsnet.com/oarticle/rsna-publishes-covid-19-radiology-surge-and-post-surge-preparedness-guidance#.Xs1pUG5FzeQ>
33. “Go slow, avoid urge to ease safety measures when resuming elective imaging, experts advise”, Marty Stempniak, **Radiology Business**, May 22, 2020, <https://www.radiologybusiness.com/topics/quality/uw-medicine-safety-elective-imaging-jacr-covid-19?utm_source=newsletter&utm_medium=hi_news>
34. “After the Crisis: Radiology Leaders Take Stock”, Cary Coryell, ACR Bulletin, <https://www.acr.org/Practice-Management-Quality-Informatics/ACR-Bulletin/Articles/May-2020/Radiology-Leaders-Take-Stock>
35. “High marks for ACR appropriateness criteria on CT angiography for stroke workup”, Dave Pearson, **Health Imaging**, April 30, 2020, <https://dev.healthimaging.com/topics/diagnostic-imaging/acr-appropriateness-criteria-ct-angiography-stroke-workup>
36. “COVID-19 Preparedness for Radiology Departments Outlined”, **Practice Update**, March 20, 2020, <https://www.practiceupdate.com/content/covid-19-preparedness-for-radiology-departments-outlined/98012>
37. “UW Rads Offer COVID-19 Coping Strategies”, **Medical Buyer**, April 9, 2020, <https://www.medicalbuyer.co.in/uw-rads-offer-covid-19-coping-strategies/>
38. “RSNA: Continued school and day care closures may have ‘substantial’ impact on radiology staffing”, Marty Stempniak, **Radiology Business**, May 11, 2020, <https://www.radiologybusiness.com/topics/leadership/rsna-school-closures-radiology-staffing-covid-19-task-force>
39. “HOW RADIOLOGY CAN GET READY FOR CORONAVIRUS CRISIS”, **Klinika Digjitale**, March 21, 2020, <https://www.klinikadigjitale.net/en/si-radiologjia-mund-te-pergatitet-per-krizen-koronavirus/>
40. “RSNA compiles, shares best practices on COVID-19 for radiology”, Dave Pearson, **Radiology Business**, April 30, 2020, <https://www.radiologybusiness.com/topics/care-delivery/rsna-compiles-shares-best-practices-covid-19-radiology>
41. “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>
42. “RSNA Publishes COVID-19 Best Practices for Radiology Departments”, **Imaging Technology News**, May 1, 2020, <https://www.itnonline.com/content/rsna-publishes-covid-19-best-practices-radiology-departments>
43. “Prepare for the Post-COVID Surge: RSNA Issues Guidance”, Whitney Palmer, **Diagnostic Imaging**, May 12, 2020, <https://www.diagnosticimaging.com/covid-19/prepare-post-covid-surge-rsna-issues-guidance>
44. “RSNA publishes COVID-19 radiology surge and post-surge preparedness guidance”, **Medical Xpress**, May 11, 2020, <https://medicalxpress.com/news/2020-05-rsna-publishes-covid-radiology-surge.html>
45. “RSNA publishes new documents on COVID-19 radiology surge and post-surge preparedness”, Emily Henderson, **Medical News**, May 11, 2020, <https://www.news-medical.net/news/20200511/RSNA-publishes-new-documents-on-COVID-19-radiology-surge-and-post-surge-preparedness.aspx>
46. “Radiology must regain public's trust in wake of COVID-19”, Louise Gagnon, **AuntMinnie.com**, May 6, 2020, <https://www.auntminnie.com/index.aspx?sec=sup&sub=cto&pag=dis&itemId=128911>
47. “Webinar: Radiology and Disinfection in the Age of COVID-19”, Whitney Palmer, **Diagnostic Imaging**, May 10, 2020, <https://www.diagnosticimaging.com/covid-19/webinar-radiology-and-disinfection-age-covid-19>
48. “RSNA task force releases best practices for COVID-19”, **AuntMinnie.com**, May 1, 2020, <https://www.auntminnie.com/index.aspx?sec=nws&sub=rad&pag=dis&ItemID=128889>
49. “Practice leaders share experience in managing COVID-19”, Kate Madden Yee, **AuntMinnie.com**, April 29, 2020, <https://www.auntminnie.com/index.aspx?sec=sup&sub=imc&pag=dis&ItemID=128853>
50. “COVID-19's Impact on Your Workflow, Your Finances, and You”, Whitney J. Palmer, **Diagnostic Imaging**, April 16, 2020, <https://www.diagnosticimaging.com/covid-19/covid-19s-impact-your-workflow-your-finances-and-you>
51. “COVID-19 Lessons Learned: A Conversation with University of Washington Leaders”, Whitney J. Palmer, **Diagnostic Imaging**, April 15, 2020, <https://www.diagnosticimaging.com/covid-19/covid-19-lessons-learned-conversation-university-washington-leaders>
52. “RSNA Assembles Task Force Volunteers to Tackle COVID-19 Pandemic”, **RSNA**, April 9, 2020, <https://www.rsna.org/en/news/2020/April/RSNA-COVID-19-Task-Forces>
53. “UW rads offer COVID-19 coping strategies”, Kate Madden, **AuntMinnie.com**, April 9, 2020, <https://www.auntminnie.com/index.aspx?sec=sup&sub=cto&pag=dis&ItemID=128684>
54. “RADIOLOGY EXPERTS LIST COVID-19 BEST PRACTICES”, **Vein Therapy New**s, March 21, 2020, <https://www.veintherapynews.com/radiology-experts-list-covid-19-best-practices/>
55. “COVID-19 Preparedness for Radiology Departments Outlined”, **HealthDay**, March 19, 2020, <https://consumer.healthday.com/radiology-27/coronavirus-1008/covid-19-preparedness-for-radiology-departments-outlined-755857.html>
56. “Recommendations for radiologists on COVID-19”, **Med Brief Namibia**, March 17, 2020, <https://www.medbriefnamibia.com/recommendations-for-radiologists-on-covid-19/>
57. “COVID19 Prep: Remote Reading, Admissions Screening, Dedicated Machines, and More”, Whitney J. Palmer, **Diagnostic Imaging**, <https://www.diagnosticimaging.com/coronavirus/covid19-prep-remote-reading-admissions-screening-dedicated-machines-and-more>
58. “Experts Stress Radiology Preparedness for COVID-19”, **ICE Magazine**, March 16, 2020, <https://theicecommunity.com/experts-stress-radiology-preparedness-for-covid-19/>
59. “Experts Urge Radiology Preparedness for COVID-19”, **Applied Radiology**, <https://appliedradiology.com/articles/experts-urge-radiology-preparedness-for-covid-19>
60. “Radiology has key role to play in the midst of COVID-19”, Kate Madden, **AuntMinnie.com**, March, 23, 2020, <https://www.auntminnie.com/index.aspx?sec=sup&sub=cto&pag=dis&ItemID=128531>
61. “Coronavirus testing is still limited, but could CT scans work? Some say yes.”, Gordon Russell, **New Orleans Times-Picayune**, March 20, 2020, <https://www.nola.com/news/coronavirus/article_e7426522-6ac0-11ea-9a5e-c3a252be1524.html>
62. “Experts stress radiology preparedness for COVID-19”, **Science Daily**, <https://www.sciencedaily.com/releases/2020/03/200316145328.htm>
63. “Experts stress radiology preparedness for COVID-19”, **Medical Xpress**, <https://medicalxpress.com/news/2020-03-experts-stress-radiology-preparedness-covid-.html>
64. “Experts stress radiology preparedness for COVID-19”, **EurekAlert!**, <https://www.eurekalert.org/pub_releases/2020-03/rson-esr031620.php>
65. “Radiology experts list COVID-19 best practices”, **AuntMinnie.com**, <https://www.auntminnie.com/index.aspx?sec=log&itemID=128463>
66. “Experts Stress Radiology Preparedness for COVID-19”, **RSNA.org**, <https://www.rsna.org/en/news/2020/March/Radiology-Preparedness-COVID-19>
67. “Experts Stress Radiology Preparedness for COVID-19”, **Imaging Technology News**, <https://www.itnonline.com/content/experts-stress-radiology-preparedness-covid-19>
68. “COVID19 Prep: Remote Reading, Admissions Screening, Dedicated Machines, and More”, **Diagnostic Imaging**, <https://www.diagnosticimaging.com/coronavirus/covid19-prep-remote-reading-admissions-screening-dedicated-machines-and-more>
69. “Radiology Department Preparedness for COVID-19: Radiology Scientific Expert Panel”, **Scilit**, <https://www.scilit.net/article/391c45f4c9cd232618ab5d1dbb611d56>
70. “Best radiology practices during Covid 19 crisis: Expert panel”, **Medical Dialogues**, <https://medicaldialogues.in/radiology/news/best-radiology-practices-during-covid-19-crisis-expert-panel-63994>
71. “Experts Emphasize Radiology Preparedness for COVID-19”, **Healthcare Hygiene Magazine**, <https://www.healthcarehygienemagazine.com/experts-emphasize-radiology-preparedness-for-covid-19/>
72. “Experts offer recommendations on radiology preparedness during COVID-19 crisis”, **News Medical**, <https://www.news-medical.net/news/20200316/Experts-offer-recommendations-on-radiology-preparedness-during-COVID-19-crisis.aspx>
73. “Traditional physical autopsies – not high-tech 'virtopsies' – still the gold standard for determining cause of death, experts claim”, **Science Daily**, <https://www.sciencedaily.com/releases/2012/01/120116200602.htm>
74. “Traditional Physical Autopsies - Not High-Tech "Virtopsies" - Still "Gold Standard" for Determining Cause of Death”, **Johns Hopkins News**, <https://www.hopkinsmedicine.org/news/media/releases/traditional_physical_autopsies___not_high_tech_virtopsies___still_gold_standard_for_determining_cause_of_death>
75. “Experts Say Virtual Autopsy Just Doesn’t Cut It”, **Radiology Daily**, <http://www.radiologydaily.com/daily/abdominal-imaging/experts-say-virtual-autopsy-just-doesnt-cut-it/>
76. “Traditional Physical Autopsies Still Gold Standard”, **Forensic Magazine**, <https://www.forensicmag.com/news/2012/01/traditional-physical-autopsies-still-gold-standard>
77. “Traditional autopsy is still the gold standard in determining cause of death”, **News Medical**, <https://www.news-medical.net/news/20120117/Traditional-autopsy-is-still-the-gold-standard-in-determining-cause-of-death.aspx>
78. “Traditional physical autopsies -- not high-tech 'virtopsies' -- still 'gold standard'” **Medical Xpress**, <https://medicalxpress.com/news/2012-01-traditional-physical-autopsies-high-tech.html>
79. “Traditional Physical Autopsies – Not High-Tech “Virtopsies” – Still the Gold Standard for Determining Cause of Death, Experts Claim”, **NewsWise**, <https://www.newswise.com/articles/traditional-physical-autopsies-not-high-tech-virtopsies-still-the-gold-standard-for-determining-cause-of-death-johns-hopkins-experts-claim>
80. “Traditional autopsies still better than 'virtopsies'”, **Health24**, <https://www.health24.com/Medical/Archive/Traditional-autopsies-still-better-than-virtopsies-20120721>
81. “Traditional physical autopsies -- not high-tech 'virtopsies' -- still 'gold standard'”, **EurekaAlert!**, <https://www.eurekalert.org/pub_releases/2012-01/jhmi-tpa011212.php>
82. “Traditional physical autopsies -- not high-tech 'virtopsies' -- still 'gold standard'”, **Noticias de Salud**, <http://noticiadesalud.blogspot.com/2012/01/traditional-physical-autopsies-not-high.html>
83. “Traditional Autopsies At an All Time Low”, **Medical Daily**, <https://www.medicaldaily.com/traditional-autopsies-all-time-low-239492>