**CURRICULUM VITAE**

**NAME:** **Nicholas A. Koontz, M.D., DABR®**

Director of Fellowship Programs

Dean D.T. Maglinte Scholar in Radiology Education

Assistant Professor of Radiology

Indiana University School of Medicine

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**EDUCATION:**

 **Post-Doctoral:**

University of Utah School of Medicine 2013-2015

 Salt Lake City, Utah

 Fellowship, Neuroradiology

 Indiana University School of Medicine 2009-2013

 Indianapolis, Indiana

 Residency, Diagnostic Radiology

 Indiana University School of Medicine 2008-2009

 Indianapolis, Indiana

 Internship, Transitional Year Residency Program

 **Graduate:**

Indiana University School of Medicine 2004-2008

 Indianapolis, Indiana

 Doctor of Medicine (MD)

 **Undergraduate:**

Anderson University 2000-2004

 Anderson, Indiana

 Bachelor of Arts (BA)

Chemistry & Biology Majors

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**APPOINTMENTS:**

 **Academic Appointments:**

Dean D.T. Maglinte Scholar in Radiology Education 2016-current

 Indiana University School of Medicine

Department of Radiology and Imaging Sciences

 Assistant Professor of Radiology 2015-current

 Indiana University School of Medicine

Department of Radiology and Imaging Sciences

Volunteer Adjunct Faculty 2015-current

University of Utah Health Sciences Center

Department of Radiology

 **Non-Academic Appointments:**

 **Hospital Appointments:**

IU Health Blackford Physician Staff 2015-current

 IU Health Ball Memorial Physician Staff 2015-current

 IU Health Indiana University Physician Staff 2015-current

 IU Health Methodist Physician Staff 2015-current

 IU Health North Medical Center Physician Staff 2105-current

IU Health Riley Physician Staff 2015-current

 IU Health Saxony Physician Staff 2015-current

 IU Health Tipton Physician Staff 2015-current

 IU Health West Medical Center Physician Staff 2015-current

 Sidney & Lois Eskenazi Hospital Physician Staff 2015-current

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**LICENSURE AND CERTIFICATION:**

**Board Certification:**

Diplomate, American Board of Radiology 2013-current

 Certificate of Added Qualification (CAQ) 2015-current

 American Board of Radiology

Subspecialty in Neuroradiology

**Medical Licenses:**

Indiana Medical License #01068913A 2010-current

Indiana Controlled Substance License #01068913B 2015-current

 **Board Examinations (passed):**

 ABR Neuroradiology Subspecialty Exam 2015

 ABR Oral Exam 2013

 ABR Written Exam 2012

 ABR Physics Exam 2010

 USMLE Step III 2009

 USMLE Step II CS 2008

 USMLE Step II CK 2008

 USMLE Step I 2006

**Additional Certifications:**

ACLS Expires July 2017

 BLS Expires May 2017

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**CLINICAL WORK EXPERIENCE:**

 Indiana University School of Medicine/IU Health July 2015-current

Assistant professor of Radiology in the Neuroradiology division with clinical responsibilities including general neuroradiology, head and neck imaging, spine imaging, multimodality image-guided procedures, advanced neuroimaging, and multidisciplinary tumor boards in head and neck surgery and neuro-oncology. Educational responsibilities include resident and fellow clinical and didactic education, as well as resident and fellow mentoring.

University of Utah Department of Radiology February 2015-April 2015

Locum spine interventionist, performing interlaminar lumbar and cervical epidural steroid injections, lumbar transforaminal epidural steroid injections, selective nerve root blocks, facet injections, sacroiliac joint injections, lumbar punctures, myelograms, and image-guided head and neck biopsies at the George E. Wahlen Department of Veterans Affairs Medical Center in Salt Lake City, UT.

University of Utah Department of Radiology July 2014-June 2015

Moonlighting general radiologist with responsibilities including interpretation of inpatient and emergency department imaging (radiography, CT, ultrasound, MRI, and nuclear medicine), after hours emergent fluoroscopic-guided procedures, and staffing diagnostic radiology residents

Indiana University Health Occupational Services August 2011-June 2013

Overnight physician with primary responsibilities including assessment and management of acute workplace injuries, pre-employment and Department of Transportation physical exams, and workplace injury follow-up examinations

Indiana University Health Occupational Services January 2011-December 2012

Consulting radiologist providing interpretation of radiographs from IU Health Occupational Services clinics

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**PROFESSIONAL ORGANIZATION MEMBERSHIPS:**

The Western Neuroradiological Society 2014-current

 American Society of Spine Radiology 2014-current

 American Society of Neuroradiology 2013-current

 American Society of Head and Neck Radiology 2011-current

 Association of University Radiologists 2011-current

 Radiological Society of North America 2009-current

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**PROFESSIONAL HONORS AND AWARDS:**

 **Research:**

Louis A. Gilula, M.D. Mentor Award for best scientific paper 2015

 American Society of Spine Radiology (ASSR)

 ASSR 2015 Annual Symposium

 William N. Hanafee, M.D. Research Seed Grant Award 2014

 American Society of Head and Neck Radiology

 Roentgen Resident Research Award 2012

 Radiological Society of North America (RSNA)

 RSNA Research & Education Foundation

 Campbell-Klatte Lecture Series 1st Place Oral Presentation 2012

 Department of Radiology and Imaging Sciences

 Indiana University School of Medicine

 Memorial Award for best original radiology paper 2012

 Association of University Radiologists (AUR)

 AUR Annual Meeting

 **Teaching:**

Glenn D. Moak, M.D. Outstanding Resident Teaching Award 2011

 Department of Radiology and Imaging Sciences

 Indiana University School of Medicine

 Hon. Mention, Glenn D. Moak, M.D. Resident Teaching Award 2010

 Department of Radiology and Imaging Sciences

 Indiana University School of Medicine

 **Medical Scholarship:**

Alpha Omega Alpha Honor Medical Society 2007

 Alpha Chapter

 Indiana University School of Medicine

 George T. Lukemeyer Medical Student Scholarship 2007-2008

 Indiana University School of Medicine

 Ritchey Scholar Program Recruitment Scholarship 2004-2008

 Indiana University School of Medicine

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**PROFESSIONAL DEVELOPMENT:**

 Leadership in Academic Medicine Program (LAMP) 2016-current

 Indiana University School of Medicine

Faculty Development Program 2016

 Association of University Radiologists

 Academy of Health Sciences Educators, Trainee 2013-2015

 University of Utah Health Sciences Center

 Resident Academic & Research Track 2011-2013

 Department of Radiology and Imaging Sciences

 Indiana University School of Medicine

 Resident Leadership Track 2010-2013

 Department of Radiology and Imaging Sciences

 Indiana University School of Medicine

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**TEACHING:**

 **Teaching Assignments:**

 **Graduate:**

 **Medical Students:**

 **IUSM Radiology Clerkship** 2010-2013

 Monthly didactic lectures for 4th year medical students during

their required radiology clerkship, including topics of radiation safety, radiobiology, and stroke imaging; Contact time: 3 hours per month; Enrollment = 280 per year

 **Introduction to Clinical Medicine (ICM) II**  2011-2012

 Annual lecture series given to all 2nd year medical students

at the IUSM Indianapolis medical campus during required ICM II course, including topics in radiation safety and radiobiology; Contact time: 2 hours; Enrollment = 140 per year

 **Post-graduate:**

 **Diagnostic Radiology & Neuroradiology:**

**Daily Instruction of Residents & Fellows:** I teach and supervise Indiana University School of Medicine diagnostic radiology residents and neuroradiology fellows regarding integration of neuroradiology and head & neck imaging studies during their assigned and elective rotations on the neuroradiology imaging service at IU Health Goodman Hall Neuroscience Center. Additionally, I teach and supervise residents and fellows how to perform image-guided spine and head & neck procedures, including lumbar puncture, myelography, spine biopsy, head & neck biopsy, and interventional pain procedures; Enrollment = 52 residents & 4-5 fellows annually

**After Hours Instruction of Residents & Fellows**: I teach and supervise Indiana University School of Medicine diagnostic radiology residents and neuroradiology fellows regarding emergency and inpatient neuroradiology studies during second shift weekday hours and on weekends throughout the IU Health and Eskenazi Hospital systems; Enrollment = 52 residents & 4-5 fellows annually

**Daily Lecture Series for Residents:** I create and deliver lectures and film review sessions for first through fourth year radiology residents according to the Indiana University School of Medicine Department of Radiology & Imaging Science’s two-year conference curriculum; Contact time: 4 hours per year

**Third Year Resident Board Review**: I create and deliver film and didactic reviews to Indiana University School of Medicine diagnostic radiology residents in preparation for the annual ABR Core Exam; Contact time: 1-2 hour per year

**Weekly Didactic Neuroradiology Lecture Series for Residents & Fellows**: I create and deliver didactic lectures on neuroradiology and head & neck imaging topics according to the Indiana University School of Medicine neuroradiology division’s annual conference curriculum; Contact time: 6 hours per year

**University of Utah Adjunct Faculty Lectures**: I create and deliver didactic and case-based lectures on neuroradiology and head & neck imaging topics to diagnostic radiology residents, neuroradiology fellows, and neuroradiology faculty according to the University of Utah School of Medicine Department of Radiology’s annual conference curriculum; Contact time: 2 hours per year

**Otolaryngology and Head & Neck Surgery Residents**:

**Monthly Lecture Series**: I create and deliver didactic lectures on head & neck imaging topics according to the Indiana University School of Medicine Department of Otolaryngology-Head & Neck Surgery’s annual conference curriculum; Contact time: 4 hours per year

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**MENTORING:**

 **Postgraduate:**

As director of fellowship programs, I meet and discuss career and fellowship goals with Indiana University School of Medicine diagnostic radiology residents many times throughout the year. Additionally, I write letters of reference and recommendation for trainees pursuing fellowship training and job opportunities, as well as speak to inquiring prospective employers on behalf of our trainees.

As a Neuroradiologist and head & neck imager, I have mentored numerous residents and fellows within the IU School of Medicine Department of Radiology & Imaging sciences, as well as diagnostic radiology residents at other training programs in the United States, on multiple scientific and educational research projects, several of which have been presented at national society meetings and published in peer-refereed journals.

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**TEACHING ADMINISTRATION AND CURRICULUM DEVELOPMENT:**

**Director of Fellowship Programs** 2016-current

I oversee the radiology fellowship training programs at Indiana University School of Medicine, including four ACGME-certified programs (Neuroradiology, Nuclear Medicine, Pediatric Radiology, and Vascular & Interventional Radiology) and nine IU GME-certified programs (Advanced Neuroimaging, Body MRI, Breast Imaging, Cardiothoracic Imaging, Emergency and Trauma Radiology, Head & Neck Radiology, MRI, Musculoskeletal Radiology, and Pediatric Neuroradiology). In this capacity, I work closely with the program directors of the individual fellowships to develop fellowship curricula and ensure fellows are meeting milestones, oversee recruiting of fellows, interface with IU GME and Radiology administration, and promote IU fellowships at a national level.

**IU Radiology Case of the Day (COTD) Curriculum**  2016-current

I developed and continue to organize a case-based, image-rich didactic curriculum for the Indiana University Department of Radiology & Imaging Sciences that utilizes social media and Web 2.0 technologies to disseminate free open access high-yield educational materials to radiology learners. Unknown cases are disseminated via Twitter, email, and open-access IU Radiology COTD website twice per week with the answer disseminated in the form of a brief (4-8 minute) YouTube mini-lecture on the following day. This curriculum provides national and international visibility and branding of our educational offerings, is routinely participated in by radiologists and trainees on 6 continents and numerous academic and private practice medical centers worldwide, and has been empirically effective in fellowship recruiting since its inception.

**Academic and Research Track (ART) Curriculum** 2011-current

During residency, I developed and organized a voluntary faculty-mentored curriculum for diagnostic radiology residents at Indiana University School of Medicine, which teaches residents interested in careers in academic medicine how to perform effective prospective scientific research. Residents work closely with mentors and run a research project from initial proposal to presentation at a national/international meeting and final manuscript publication. Supplementary lectures on topics pertaining to scientific research are provided.

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**SERVICE:**

 **University Service:**

 **Department of Radiology & Imaging Sciences**

Director of Fellowship Programs 2016-current

 Education Innovation Committee, Co-Chair 2016-current

 MRI Fellowship, Interim Program Director 2016-current

Mentorship Committee, Member 2016-current

 Academic Council, Member 2016-current

 Education Division, Member 2016-current

 Web Committee, Member 2016-current

 Neuroradiology Program Evaluation Committee 2015-current

 Neuroradiology Clinical Competency Committee 2015-current

 Academic & Research Track Steering Committee 2011-2013

 Resident Journal Club, Chair 2011-2012

 Physics Education Committee 2011-2012

 Resident Education Committee 2010-2011

 **Indiana University School of Medicine Service**:

 Graduate Medical Education Committee 2016-current

 Indiana University School of Medicine

 Multidisciplinary Stroke Work Group 2016-current

 Sidney & Lois Eskenazi Hospital

LEAN Six Sigma Stroke Committee 2015-2016

 Sidney & Lois Eskenazi Hospital

 Multidisciplinary Head & Neck Tumor Board 2015-current

 Indiana University School of Medicine

 Neuro-Oncology Tumor Board 2015-current

 Indiana University School of Medicine

 **Professional Service:**

 **National:**

American Board of Radiology 2016-current

Neuroradiology Initial Certifying, Maintenance of Certification (MOC), and Subspecialty Committee, Volunteer Member

American Society of Head and Neck Radiology 2015-current

Education Committee, Member

American Society of Spine Radiology 2015-current

Abstract Reviewer, Scientific Session of Annual Symposium

 **Reviewer for Scientific Journals:**

Academic Radiology 2012-present

 Association of University Radiologists

 **Other Professional Activities:**

 **Invited Speakerships: (14)**

1. “**Interactive Cases: CNS Manifestations of Tumor Syndromes**”, University of Utah Department of Radiology 5th Intensive Interactive Brain and Spine Imaging Conference, Marriott City Center, Salt Lake City, Utah, March 31, 2017
2. “**Pro: ESI – Our Patients Can’t Live Without Them**”, American Society of Spine Radiology 2017 Annual Symposium, Manchester Hyatt San Diego, California, February 23, 2017
3. “**Salivary Glands: Neoplasms**”, 50th Annual Meeting of the American Society of Head and Neck Radiology, Hyatt Regency Washington on Capitol Hill, Washington, D.C., September 7, 2011
4. “**Core Curriculum Fund and Hanafee Research Grants: Why You Should Contribute!**”, 50th Annual Meeting of the American Society of Head and Neck Radiology, Hyatt Regency Washington on Capitol Hill, Washington, D.C., September 7, 2011
5. “**EDDx: Carotid, Parotid, and Masticator Spaces**”, University of Utah Department of Radiology 13th Intensive Interactive Head and Neck Imaging Conference, Marriott City Center, Salt Lake City, Utah, March 14-18, 2016
6. “**State of the Art DTI & fMRI**”, 1st State Annual Conference of Iria Telangana State Chapter Indo-US Radiology Update, Hyderabad, India, October 10-11, 2015
7. “**Update in Epilepsy Imaging**”, 1st State Annual Conference of Iria Telangana State Chapter Indo-US Radiology Update, Hyderabad, India, October 10-11, 2015
8. “**Imaging of Subarachnoid Hemorrhage**”, 1st State Annual Conference of Iria Telangana State Chapter Indo-US Radiology Update, Hyderabad, India, October 10-11, 2015
9. “**Stroke Mimics**”, 1st State Annual Conference of Iria Telangana State Chapter Indo-US Radiology Update, Hyderabad, India, October 10-11, 2015
10. “**CNS Manifestations of Tumor Syndromes**”, University of Utah Department of Radiology 4th Intensive Interactive Brain and Spine Imaging Conference, Marriott City Center, Salt Lake City, Utah, March 23-27, 2015
11. “**Resident Head & Neck Case Conference**”, visiting scholar, Department of Medical Imaging, University of Arizona Medical Center, Tucson, Arizona, October 1-2, 2014
12. “**Practical Clinical Applications of Advanced Imaging Techniques and Procedures: Brain, Spine, and Head & Neck**”, visiting scholar, Department of Medical Imaging, University of Arizona Medical Center, Tucson, Arizona, October 1-2, 2014
13. “**Case Studies in the Infrahyoid Neck**”, University of Utah Department of Radiology 12th Intensive Interactive Head and Neck Imaging Conference, Marriott City Center, Salt Lake City, Utah, March 24-28, 2014
14. “**Increasing Resident Interest and Involvement in Research**”, Association of University Radiologists 60th Annual Meeting, JW Marriott San Antonio Hill Country, San Antonio, Texas, March 20, 2012

 **Session Moderator at Continuing Medical Education Courses: (2)**

1. “**Head & Neck Cancer III**”, invited faculty and session moderator, 50th Annual Meeting of the American Society of Head and Neck Radiology, Hyatt Regency Washington on Capitol Hill, Washington, D.C., September 9, 2016
2. “**Advanced Head & Neck Imaging**”, invited faculty and session moderator, 49th Annual Meeting of the American Society of Head and Neck Radiology, Naples Grande Beach Resort, Naples, Florida, September 9-13, 2015

**Scientific Presentations: (16)**

1. Seltman TA, **Koontz NA**, Kralik SF, Mosier KM. “Chondrosarcoma conundrum: a retrospective institutional review of pretreatment cross-sectional neuroimaging in histopathologically-proven head & neck chondrosarcomas”. Invited scientific presentation at the American Society of Head and Neck Radiology 50th Annual Meeting, September 9, 2016
2. Dodson SC, Eitel JA, Forbes-Amrhein M, **Koontz NA**, Tahir B, Heitkamp DE. “Teaching Research to Radiology Residents: A Voluntary Curriculum in Research Design and Manuscript Preparation”. Oral scientific presentation at the Association of University Radiologists 64th Annual Meeting, March 31, 2016, Manchester Grand Hyatt, San Diego, California
3. **Koontz NA**, Wiggins RH. “Advanced functional diffusion-weighted MR imaging and dynamic contrast enhanced MR perfusion imaging of metastatic melanoma of the head and neck”. Invited scientific presentation at the American Society of Head and Neck Radiology 49th Annual Meeting, September 9, 2015, Naples Grande Beach Resort, Naples, Florida
4. **Koontz NA**, Pierson NS, Ledbetter LN, Mills MK, Shah LM. “The needle and the damage done – Does approach predispose to inadvertent penetration during lumbar interlaminar epidural steroid injection?”. Invited scientific presentation at the American Society of Neuroradiology 53rd Annual Meeting, April 27, 2015, Sheraton Chicago Hotel and Towers, Chicago, Illinois
5. **Koontz NA**, McLaughlin M, Rassner UA, Wiggins RH, Shah LM. “Efficacy of 3D-T2 SPACE MRI screening protocol to rule out cauda equina syndrome in the emergency department”. Oral scientific presentation at the American Society of Neuroradiology 53rd Annual Meeting, April 28, 2015, Sheraton Chicago Hotel and Towers, Chicago, Illinois
6. **Koontz NA**, Pierson NS, Ledbetter LN, Mills MK, Shah LM. “The needle and the damage done – Does approach predispose to inadvertent penetration during lumbar interlaminar epidural steroid injection?”. Mentored oral scientific presentation at the American Society of Spine Radiology 2015 Annual Symposium, February 7, 2015. Caesar’s Palace, Las Vegas, Nevada
7. **Koontz NA**, Shah LM. “The Answer is in the corner: Sjögren syndrome myelopathy – A challenging, but gettable imaging diagnosis in the emergency department”. Oral excerpta extraordinaire paper presentation at the American Society of Spine Radiology 2015 Annual Symposium, February 6, 2015. Caesar’s Palace, Las Vegas, Nevada
8. **Koontz NA**, McLaughlin M, Rassner UA, Wiggins RH, Shah LM. “Efficacy of T2 SPACE MRI screening examination for evaluation of cauda equine syndrome in the emergency department”. Oral scientific presentation at the American Society of Spine Radiology 2015 Annual Symposium, February 6, 2015. Caesar’s Palace, Las Vegas, Nevada
9. **Koontz NA**, Rassner UA, McNally JS, Wiggins RH. “DWI and DTI assessment of head & neck lesions: An institutional review”. Oral scientific presentation at the American Society of Head and Neck Radiology 48th Annual Meeting, September 13, 2014. Sheraton Seattle Hotel, Seattle, Washington
10. **Koontz NA**, Quigley EP, Witt BL, Sanders RK, Stevens EA, Shah LM. “Location, location, location!: A valuable discriminator for diagnosing pigmented villonodular synovitis of the cervical spine”. Oral presentation at the American Society of Neuroradiology 52nd Annual Meeting, May 22, 2014. Palais des Congres de Montreal, Montreal, Quebec, Canada
11. **Koontz NA**, Agarwal A, Mosier KM, Shah LM. “Another boring case of NF2 – NOT!: Schwannomatosis”. Oral presentation at the American Society of Neuroradiology 52nd Annual Meeting, May 22, 2014. Palais des Congres de Montreal, Montreal, Quebec, Canada
12. **Koontz NA**, Gunderman RB. “Radiation safety and medical education: Development and integration of a dedicated educational module into a radiology clerkship, outcomes assessment, and survey of medical students' perceptions”. Paper presentation at the Association of University Radiologists 60th Annual Meeting, March 21, 2012. JW Marriott San Antonio Hill Country, San Antonio, Texas
13. **Koontz NA**, Agarwal A, Emerson RE, Mosier KM. “Schwannomatosis: The overlooked neurofibromatosis?”. Case report presentation at the American Society of Head and Neck Radiology 45th Annual Meeting, September 8, 2011. Hotel Del Coronado, Coronado, California
14. Horst KA, Buckwalter KA, Teague SD, Altman D, Ladd LM, **Koontz NA**. “Turnaround time in the emergency department: from clinician order to electronic report”. Poster presentation at the 2010 Association of University Radiologists Annual Meeting, March 24, 2010. Hilton San Diego Bayfront Hotel, San Diego, California
15. **Koontz NA**. “PFK gene regulation in post-implantation mouse embryos”, Indiana Academy of Science 119th Annual Meeting, October 17, 2003
16. **Koontz NA**. “Solvent-free, microwave-assisted synthesis and GC-MS analysis of 3,5-dimethylisoxazole as an organic chemistry lab”, Indiana Section of the American Chemical Society, October 15, 2002

**Educational Exhibits: (16)**

1. **Koontz NA**. “Case of the Day: Orbits”. Invited poster presentation at the American Society of Head and Neck Radiology 50th Annual Meeting, Hyatt Regency Washington on Capitol Hill, September 7-11, 2016, Washington, D.C.
2. **Koontz NA**, Seltman TA, Kralik SF, Mosier KM. “The faces and spaces of head & neck chondrosarcoma: an imaging review”. Poster presentation at the American Society of Head and Neck Radiology 50th Annual Meeting, Hyatt Regency Washington on Capitol Hill, September 7-11, 2016, Washington, D.C.
3. Coleman NM, **Koontz NA**, Traore A, Kralik SF, Mosier KM. “Subarachnoid fat embolism and lipoid meningitis following autologous fat grafting for translabyrinthine resection of vestibular schwannoma”. Electronic educational exhibit at the American Society of Head and Neck Radiology 50th Annual Meeting, Hyatt Regency Washington on Capitol Hill, September 7-11, 2016, Washington, D.C.
4. Seltman TA, O’Neill DP, **Koontz NA**. “Case of the Day: Spine”. Invited poster presentation at the American Society of Neuroradiology 54th Annual Meeting, May 21-26, Washington Marriott Wardman Park, Washington, D.C.
5. Traore A, Kralik SF, **Koontz NA**, Mosier KM. “Imaging approach to fibro-osseous lesions of the midface”. Poster presentation at the American Society of Neuroradiology 54th Annual Meeting, May 21-26, Washington Marriott Wardman Park, Washington, D.C.
6. Finke W, **Koontz NA**, Kralik SF. “Multimodality imaging overview of common and uncommon solid parotid space masses”. Electronic educational exhibit at the American Society of Neuroradiology 54th Annual Meeting, May 21-26, Washington Marriott Wardman Park, Washington, D.C.
7. Seltman RE, **Koontz NA**, Seltman TA, Wiggins RH, Shah LM. “Neoplasia-related jugular vein thrombosis”. Electronic educational exhibit at the American Society of Head and Neck Radiology 49th Annual Meeting, September 9-13, 2015, Naples Grande Beach Resort, Naples, Florida
8. Seltman TA, **Koontz NA**, Seltman RE, Kralik SF, Mosier KM, Harnsberger HR. “Resident & Fellow Primer: Classic Signs in Head & Neck Imaging”. Electronic educational exhibit at the American Society of Head and Neck Radiology 49th Annual Meeting, September 9-13, 2015, Naples Grande Beach Resort, Naples, Florida
9. Dodson SC, **Koontz NA**, Kralik SF, Mosier KM. “Resident & Fellow Primer: Top 10 Can’t Miss Head & Neck Diagnoses”. Electronic educational exhibit at the American Society of Head and Neck Radiology 49th Annual Meeting, September 9-13, 2015, Naples Grande Beach Resort, Naples, Florida
10. Smith JN, **Koontz NA**, Kralik SF, Mosier KM. “Amyloidosis of the head & neck: a review of imaging findings.” Electronic educational exhibit at the American Society of Head and Neck Radiology 49th Annual Meeting, September 9-13, 2015, Naples Grande Beach Resort, Naples, Florida
11. Wright B, **Koontz NA**, Quigley EP, Wiggins RH. “Advanced dynamic contrast enhanced imaging of a laryngeal venous malformation”. Electronic educational exhibit at the American Society of Head and Neck Radiology 49th Annual Meeting, September 9-13, 2015, Naples Grande Beach Resort, Naples, Florida
12. **Koontz NA**, Longenecker L, Dhatt H, Quigley EP. “Enhancing brain stones in an HIV patient: an unusual presentation of toxoplasmic encephalitis immune reconstitution syndrome”. Electronic presentation at the American Society of Neuroradiology 52nd Annual Meeting, May 19, 2014. Palais des Congres de Montreal, Montreal, Quebec, Canada.
13. **Koontz NA**, Cutler A, Couldwell W, Wiggins RH, Hedlund GL, Quigley EP. “Pediatric patient with multiple cerebral cavernous malformations and multiple cranial nerve neurofibromas: Report of a novel syndromic presentation”. Electronic presentation at the American Society of Neuroradiology 52nd Annual Meeting, May 19, 2014. Palais des Congres de Montreal, Montreal, Quebec, Canada.
14. **Koontz NA**, Wiggins RH, Shah LM. “Plug in your jug!: An imaging review of jugular vein thrombosis”. Poster presentation at the American Society of Neuroradiology 52nd Annual Meeting, May 18, 2014. Palais des Congres de Montreal, Montreal, Quebec, Canada.
15. **Koontz NA**, Kralik SF, Mosier KM. “MR sialography, part 1: The basics”. Poster presentation at the American Society of Head and Neck Radiology 46th Annual Meeting, October 3, 2012. Eden Roc Renaissance Hotel, Miami Beach, Florida.
16. **Koontz NA**, Kralik SF, Mosier KM. “MR sialography, part 2: Anatomy & cases”. Poster presentation at the American Society of Head and Neck Radiology 46th Annual Meeting, October 3, 2012. Eden Roc Renaissance Hotel, Miami Beach, Florida.

**Medical Editing and Publishing:**

Medical Editor, Amirsys-Elsevier 2014-2015

1. Osborn AG, Salzman KL, Jhaveri MD (2016). *Diagnostic Imaging: Brain, 3rd Ed.*, Elsevier, Philadelphia, PA
2. Barkovich AJ, Koch BL, Moore KR (2015). *Diagnostic Imaging: Pediatric Neuroradiology, 2nd Ed.*, Elsevier, Philadelphia, PA

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**PUBLICATIONS:**

 **Papers – Refereed: (12)**

1. **Koontz NA**, Wiggins RH, Stoddard GJ, Shah LM. Do superior or inferior interlaminar approach or bevel orientation predispose to non-epidural needle penetration?. In Review
2. **Koontz NA**, Mills MK, McLaughlin MS, Pigman EC, Wiggins RH, Shah LM. Efficacy of a 3D-T2 SPACE FS MRI screening protocol to rule out cauda equine syndrome in the emergency department. In Review
3. Heitkamp DE, **Koontz NA**, Kamer AP. Is Turnaround Time (TAT) Destroying the Educational Mission of Academic Radiology?. In Review
4. **Koontz NA**, Wiggins RH. Differentiation of benign and malignant head and neck lesions with diffusion tensor imaging. *AJR Am J Roentgenol* 2016. Accepted/In Press
5. **Koontz NA**, Seltman TA, Kralik SF, Mosier KM, Harnsberger HR. Classic signs in head and neck imaging. *Clin Radiol* 2016. ePub ahead of print
6. **Koontz NA**, Quigley EP, Witt BL, Sanders RK, Shah LM. Pigmented villonodular synovitis of the cervical spine: Case report and review of the literature. *BJR Case Rep* 2015; 1:20150264
7. **Koontz NA**, Kralik SF, Fritsch MH, Mosier KM. MR Sialography: A pictorial review. *Neurographics* 2014; 4:142-157
8. **Koontz NA**, Wiens AL, Agarwal A, Hingtgen CM, Emerson RE, Mosier KM. Schwannomatosis: The overlooked neurofibromatosis?. *AJR Am J Roentgenol* 2013; 200:W646-W653
9. **Koontz NA**, Gunderman RB. Radiation safety and medical education: Development and integration of a dedicated educational module into a radiology clerkship, outcomes assessment, and survey of medical students' perceptions. *Acad Radiol* 2012; 19:491-497
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**RESEARCH FUNDING:**

**Active Grants:**

Advanced functional diffusion-weighted MR imaging and dynamic contrast enhanced MR perfusion imaging of metastatic melanoma of the head and neck

Principal Investigator: Nicholas A. Koontz, MD

Direct Costs: $15,000 Total Costs: $15,000

American Society of Head and Neck Radiology,

2014 William N. Hanafee, M.D. Research Seed Grant

Role: Principal Investigator

January 1, 2015 – present

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**ACADEMIC & CLINICAL INTERESTS:**

1. Advanced Neuroimaging Techniques
2. Clinical Outcomes Research
3. Head & Neck Imaging and Research
4. Interventional Spine and Head & Neck Procedures
5. Medical Education and Educational Outcomes Research
6. Spine Imaging and Research

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