

Shaun M. Nordeck

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EDUCATION

06/2024	Residency	University of Texas Southwestern Medical Center, Dallas TX
06/2019	Internship	Methodist Dallas Medical Center, Dallas TX
06/2018	M.D.	University of Texas Southwestern Medical College, Dallas, TX
12/2010	M.S.	Midwestern State University, Wichita Falls, TX
05/2006	B.S.	Wayland Baptist University, San Antonio, TX

PROFESSIONAL EXPERIENCE

- 07/2019 – 06/2024** **University of Texas Southwestern Medical Center, Dallas TX**
Chief Resident, Interventional Radiology, Integrated IR/DR program
Alpha Omega Alpha Resident Member Inductee
- 06/2018 – 06/2019** **Methodist Dallas Medical Center, Dallas TX**
Surgical Intern, General Surgery, Level 1 Trauma Center
- 06/2013 – ongoing** **Midwestern State University, Wichita Falls TX**
Adjunct faculty, Master of Science in Radiologic Sciences, Radiologist Assistant program
- 06/2009 – 07/2014** **UT Southwestern Medical Center, Dallas TX**
Clinical training and practice as a radiologist assistant performing diagnostic fluoroscopy, invasive procedures, patient management, and image evaluation of radiographs and specialized CT studies. Midlevel department supervisor. Research coordinator and grant administration.
- 07/2006 – 10/2009** **Baylor Medical Center, Garland TX**
CT and Diagnostic radiology technologist.
Shift leader. Member of patient safety and practice council committees.
- 07/2000 – 07/2006** **United States Army**
Diagnostic radiology and CT technologist; Teleradiology support group; NCO in charge of special imaging and Joint Commission readiness at a Level I Trauma Center (Brooke Army Medical Center, San Antonio TX). Served in Baghdad, Iraq and South Korea.

GRANTS

- 2012 - 2014** **Toshiba America Medical Systems** \$82,033. Feasibility of CT Perfusion as a Noninvasive Method for Characterizing Pulmonary Nodules as Benign or Malignant. Wrote grant application, designed study schema, workflow, and IRB documents. Served as study coordinator and managed grant funds.

RESEARCH

- 2020** **UT Southwestern Medical Center, Dallas TX** Male Genitourinary Tract Prosthesis
Dates: November 2020 - 2021
Mentor: Allen Morey, M.D.
Duties: Review CT/MR studies for adequacy / study inclusion criteria, define and perform measurements on CT/MR studies of men with implanted penile prosthesis, Coauthor / edit manuscripts and presentation.

- 2017** **McAfee Advanced Threat Research / Trellix Threat Labs; Dallas TX**
Medical Device Security Vulnerability
Dates: January 2017 - ongoing
Research Partners: Steve Povolny, Douglas McKee
Duties: Medical liaison to research team, translate vulnerability findings into medical area impact scenarios, provide input on target selection, co-author presentations
- 2014** **UT Southwestern Medical Center, Dallas TX** 3D Segmentation and Surface Modeling from High Resolution Isotropic MRI and 4D CT
Dates: January 2014 - 2018
Mentor: Avneesh Chhabra, M.D.
Duties: Perform 3D and 4D modeling on MR and CT data. Developed a technique for bone surface modeling of MR data akin to CT. Participate in protocol and study design for retrospective and prospective projects. Train co-investigators and other research personnel on modeling techniques. Obtain and interpret data with statistician. Perform literature review. Compose manuscripts. Presented data at conferences.
- 2013** **UT Southwestern Medical Center, Dallas TX** CT Pulmonary Nodule Perfusion Study
Dates: April 2013 - 2018
Mentor: Cecelia Brewington, M.D.
Duties: Wrote grant proposal for industry sponsored research. Created study design, all related documents, and filed IRB and radiation safety documents. Responsible for recruiting and consenting patients, management of grant related funds, and security of study data. Provided standardized training in perfusion assessment for study investigators. Provide updates to study investigator and industry sponsor. Analyze data with statistician. Literature review, manuscript preparation, and data presentation at national meetings.
- 2009** **UT Southwestern Medical Center, Dallas TX** CT Enterography Study
Dates: November 2009 – November 2010
Mentor: Cecelia Brewington, M.D.
Duties: Responsible for compiling a database of CT Enterography studies performed from 2007 thru 2010. Retrieved studies in PACS, anonymized, and stored in folder on PACS for review by study investigators. Created excel document with study criteria for tracking findings. Oversaw data collection and management. Compiled literature review on CT Enterography findings and grading systems for use by study investigators.
- 2009** **UT Southwestern Medical Center, Dallas TX** Bladder Stimulator Lead Migration Study
Dates: August 2009 – December 2009
Mentor: Cecelia Brewington, M.D.
Duties: Responsible for performing angular measurement of the neuronal stimulator lead on lateral views of the sacrum on initial, post placement, and interval follow up radiographs.

PUBLICATIONS

- 2022** Pepin, EW., **Nordeck, SM.**, Fetzer, DT.
Nontraditional Uses of US Contrast Agents in Abdominal Imaging and Intervention. *Radiographics*. 2022 Oct; 42(6):1724-1741. PMID: 36190849
- 2021** Kavoussi, M., Cook, G., **Nordeck, S**, Dropkin BM., Joice, GA., Sanders, SC., et al
Distance From Critical Pelvic Structures: Radiographic Comparison of High Submuscular and Space of Retzius IPP Reservoir Placement Techniques. *Urology*. 2022 Feb; 160:136-141. PMID 34902353

- 2021** Kavoussi, M., Cook, G., **Nordeck, S.**, Dropkin BM., Joice, GA., Sanders, SC., et al. Radiographic Assessment of Inflatable Penile Prosthesis Reservoir Location Variability in Contemporary Practice. *Sexual Medicine*. 2021 Dec; 18(12):2039-2044. PMID:34753688
- 2018** Flanagan, J, Batz, R., **Nordeck, SM.**, Lemack, G., Brewington, C. Urethrography in the Assessment of the Adult Male Urethra. *Radiographics*. 2018 May-Jun; 38(3):831-832 PMID: 29757722
- 2017** **Nordeck, SM.**, Koerper CE., Adler A., Malhotra V., Xi Y., Liu GT., Chhabra A. Simulated Radiographic Bone and Joint Modeling from 3D Ankle MRI: Feasibility and Comparison with Radiographs and 2D MRI. *J Skel Rad*. 2017 May; 46(5): 651-664. PMID 28265698
- 2017** Reis SP., DeSimone N., Barnes L., **Nordeck SM.**, Grewal S., Cripps M., Kalva SP. The Utility of Viscoelastic Testing in Patients Undergoing IR Procedures. *J Vasc Interv Radiol*. 2017 Jan; 28(1):78-87. PMID: 27884687
- 2016** Wadhwa V., Malhotra V., Xi Y., **Nordeck S.**, Coyner K., Chhabra A. Bone and Joint Modeling from 3D Knee MRI: Feasibility and Comparison with Radiographs and 2D MRI. *Clinical Imaging*. 2016 Jul-Aug; 40 (4):765-768. PMID: 27317222
- 2016** Flanagan, J., Saboo, S., Batz, R., **Nordeck, SM.**, Abbara, S., Kernstine, K., Vasani, V. Pull Me Up: A Review of Esophagectomy and Gastric Pull-through Procedures, Their Radiographic Features and Potential Complications. *Radiographics*. 2016 Jan-Feb; 36(1):107-21. PMID: 26761533
- 2015** **Nordeck, SM.**, Flanagan, J., Tenorio, L., Robertson, W., Chhabra, A. Use of 3D isotropic magnetic resonance imaging for bone reconstructions in pre-operative planning for patients with FAI. *Radiologic Technology*. 2015 Sep; 87(1):21-8. PMID: 26377265
- 2015** Chhabra, A., **Nordeck, S.**, Wadhwa, V., Madhavapeddi, S., Robertson, W, J. Femoracetabular Impingement with Chronic Acetabular Rim Fracture – 3D Computed Tomography, 3D Magnetic Resonance Imaging and Arthroscopic Correlation. *World Journal of Orthopedics*. 2015 Jul 18; 6(6):498-504. PMID: 26191497
- 2012** **Nordeck, SM.**, Sanders, V., Killion, J. Comparative Analysis of Physician Extender Curricular Requirements in Radiology: A Detailed Review. *Journal of the American College of Radiology*. 2012 Apr; 9(4):270-4. PMID: 22469378

ORAL PRESENTATIONS

- 2021** **Texas Radiologic Society**, Annual meeting, Irving, TX
Nordeck, S
Emergency Radiology: High yield cases for interns
 Presenting Author: **Nordeck, S**
- 2019** **American College of Surgeons Quality and Safety Conference**, Washington, DC
Nordeck, S., McKee D.
Inducing Arrhythmias: Feasibility of Hacking Patient Telemetry

- Presenting Author: **Nordeck, S**
- 2018** **Radiologic Society of North America**, Annual meeting, Chicago, IL
Zhao, Y., Brewington, C., **Nordeck, S.**, Hubbard, L., Malkasian S., Abbona P., Leung C., Molloi S. *Comparison of Novel Whole Nodule First Pass Analysis versus Standard Maximum Slope Model in the Detection of Lung Malignancies using Low-Dose CT Perfusion.*
Presenting Author: Zhao, Y.
- 2018** **DEF CON 26 Hacking Conference**, Las Vegas, NV.
McKee D., **Nordeck, S.**
80 to 0 in under 5 seconds: Falsifying a medical patient's vitals
Presenting Authors: McKee, D., & **Nordeck, S.**
- 2018** **Cancer Imaging and Interventions Conference**, Houston, TX.
Nordeck, S., Arbique, G., Xi Yi., Hyde, K., Watumull, L., Brewington, C.
CT Perfusion as a Biomarker for Lung Cancers Containing Genetic Mutations: Preliminary Results. Presenting Author: **Nordeck, S.**
Award: Best oral presentation
- 2017** **American Roentgen Ray Society** Annual meeting, New Orleans, LA.
Nordeck, S., Koerper, C., Adler, A., Xi, Y., Liu, G., Chhabra, A.,
Bone and Joint Modeling from 3D Ankle MRI: Feasibility and Comparison with Radiographs and 2D MRI. Presenting Author: **Nordeck, S.**
- 2016** **Radiologic Society of North America** Annual meeting, Chicago, IL
Nordeck, S., Arbique, G., Xi, Y., Patel, M., Watumull, L., Brewington, C.
CT Perfusion Differences Between Primary and Secondary Pulmonary Malignancies and Certain Genetic Mutations (KRAS and EGFR). Presenting Author: **Nordeck, S.**
Awards: RSNA Student Travel Stipend Award
UTSW Medical Student Research Travel Award
- 2016** **Society of Skeletal Radiology** Annual meeting, New Orleans, LA
Nordeck, S., Koerper, C., Adler, A., Xi, Y., Liu, G., Chhabra, A.,
Bone and Joint Modeling from 3D Ankle MRI: Feasibility and Comparison with Radiographs and 2D MRI. Presenting Author: **Nordeck, S.**
Award: UTSW Medical Student Research Travel Award
- 2015** **Society of Thoracic Radiology** Annual meeting, Carlsbad, CA
Nordeck, S., Watumull, L., Arbique, G., Xi, Y., Zhang, D., Brewington, C. *CT Perfusion (CTP) of Pulmonary Lesions: Translational Research Analyzing the Utility of CTP in the Classification of Pulmonary Lesions as Benign or Malignant Compared to Histopathology.*
Presenting Author: **Nordeck, S.**
Award: Jack Westcott Award – Best Oral Presentation

EDUCATIONAL PRESENTATIONS

- 2021** **Radiological Society of North America** Annual meeting, Chicago, IL
Pepin, E., **Nordeck, S.**, Fetzter, D. *Outside the Box: Non-intravenous uses of ultrasound contrast in abdominal and interventional radiology.*
Award: Invited for publication in Radiographics
- 2021** **American Urological Association** Annual meeting, Virtual
Kavoussi, M., Cook, G., **Nordeck, S.**, Dropkin B.M., Joice, G. A., Sanders, S.C., et al
Radiographic Assessment of Inflatable Penile Prosthesis Reservoir Location Variability in Contemporary Practice

- 2018** **American Roentgen Ray Society** Annual meeting, Washington, DC.
Flanagan, J., Batz, R., **Nordeck, S.**, Watumull, L. *Evaluation of the Post-Operative Bladder: What the Radiologist Needs to Know.*
Awards: Certificate of Merit & Invited oral presentation. Presenting Author: **Nordeck, S.**
- 2016** **Radiological Society of North America** Annual meeting, Chicago, IL
Flanagan, J., **Nordeck, S.**, Batz, R., Brewington, C. *A Troubled Stream: Fluoroscopic Evaluation of the Adult Male Urethra*
Awards: Invitation for Publication in Radiographics & Certificate of Merit
- 2014** **Radiological Society of North America** Annual meeting, Chicago, IL
Flanagan, J., **Nordeck, S.**, Batz, R., Vasani, V. *Pull Me Up: A Review of Esophagectomy and Gastric Pull-through:*
Education Exhibit & CME Presentation
Award: Invitation for Publication in Radiographics
- 2014** **Radiological Society of North America** Annual meeting, Chicago, IL
Tenorio, L., **Nordeck, S.**, Chhabra, A. *Fly Through the Joint: Virtual Arthroscopy of the Shoulder Using CT Arthrogram*
Education Exhibit & CME Presentation
- 2014** **Radiological Society of North America** Annual meeting, Chicago, IL
Flanagan, J., **Nordeck, S.**, Vasani, V., Batz, R. *This May Be Hard to Swallow: A Pictorial Review of Esophageal Adenocarcinoma*
- 2014** **American Roentgen Ray Society** Annual meeting, San Diego, CA
Nordeck, S., Flanagan, J., Tenorio, L., Chhabra, A. *3D Bone Segmentation from 3D Isotropic MR Image Data Set Versus Similar Reconstruction from 3D CT in the Context of Femoracetabular Impingement*
- 2013** **Radiological Society of North America** Annual meeting, Chicago, IL
Nordeck, S., Watumull, L., Omar, H., Stehel, E., Arbique, G., Brewington, C. *Pearls of CT Perfusion*
- 2012** **Radiological Society of North America** Annual meeting, Chicago, IL
Nordeck, S., Kircher, S., Huang, T., *Use of 3D Software for Preoperative Planning of Breast Reconstruction Surgery*
- 2011** **Radiological Society of North America** Annual meeting, Chicago, IL
Vasani, V., Batz, R., **Nordeck, S.**, Brewington, C. *Signs of an Angry Colon*
- 2011** **Radiological Society of North America** Annual meeting, Chicago, IL
Chuang, W., **Nordeck, S.**, Brewington, C. *What's Your Angle? Dynamic Voiding Cystourethrography*
Award: Certificate of Merit

VOLUNTEER

- 2021-present** American College of Radiology – Non-physician provider task force member – Resident Fellow Section (RFS) Representative
- 2021-2021** American Registry of Radiologic Technologists – Registered Radiologist Assistant Exam – Essay Grading

- 2016 - 2024** American Registry of Radiologic Technologists – Fluoroscopy Examination Committee Member – American College of Radiology Physician Representative
- Assemble and review examinations, content specifications, and content items; Review psychometric data and participate in exam standard setting
- 2013-2014** American Society of Radiologic Technologists – Sergeant at Arms Committee
- Assist ASRT speaker and vice speaker during annual governance and house of delegates meeting.
 - Monitor vote counts, maintain order, delivering motions and materials during meeting
- 2010-2014** Youth Leader, Gateway Community Church, Wylie TX
- Mentor and primary biblical teacher for High School Guys
 - Group leader for mission trips, student life activities, and community outreach events

ACTIVE PROFESSIONAL MEMBERSHIPS

Society of Interventional Radiology
Radiologic Society of North America
American Roentgen Ray Society
American Medical Association
Texas Medical Association
Texas Radiologic Society
Alpha Omega Alpha Honor Medical Society

LICENSURES / CERTIFICATIONS

Texas Medical License – Exp 8/2025
Advanced Cardiovascular Life Support – American Heart Association – exp 2/2025

PERSONAL

Married, 2 Children
Hobbies: Bar-b-que (smoking foods); Snowboarding; Fishing; Camping; Technology