

Busse, Nathan C			
EDUCATION			
Institution Name	Degree	Year Awarded	Field of Study
Transylvania University	BA	2008	Physics, Mathematics
Vanderbilt University	MS	2011	Diagnostic Medical Physics
POSTGRADUATE TRAINING			
Institution Name		Start & End Dates	Nature of Training
The University of Texas MD Anderson Cancer Center		2011-2013	Diagnostic Medical Physics Residency Program
ACADEMIC APPOINTMENTS			
Institution, Department		Start & End Dates	Position or Rank
n/a			
HOSPITAL and OTHER APPOINTMENTS			
Hospital, Clinical, Company etc.		Start & End Dates	Position or Title
Colorado Associates in Medical Physics, Colorado Springs, CO		09/2020-Present	Chief of Diagnostic and Nuclear Medicine Physics
Denver Health Hospital Authority, Denver, CO		01/2020-09/2020	Diagnostic Medical Physicist
Colorado Associates in Medical Physics, Colorado Springs, CO		09/2013-01/2020	Diagnostic Medical Physicist, Clinical Lead Physicist (2019-2020)
CERTIFICATION, REGISTRATION and LICENSURE			
Granting Body	Specialty	Year Granted	Year of Next MOC
American Board of Radiology (ABR)	Diagnostic Radiological Physics	2014	Valid through 03/01/2024
American Board of Radiology (ABR)	Nuclear Medical Physics	2017	Valid through 03/01/2024
American Board of Science in Nuclear Medicine	Nuclear Medicine Physics and Instrumentation	2016	2027
Colorado Dept of Public Health and Environment (CDPHE)	Registered Medical Physicist	2013	Expires 11/30/2023
ACADEMIC SUPERVISION			
None			
ROLES IN THE PROGRAM			
CAMP Residency Program Steering Committee Member Modality Mentor for Nuclear Medicine and RAM Therapies			

CLINICAL RESPONSIBILITIES			
<ul style="list-style-type: none"> As chief of diagnostic physics, Nathan is responsible for standardizing processes across our staff, ensuring compliance with new requirements, on-boarding new staff, and integrating new clients into our system. 			
SCHOLARLY ACTIVITIES			
Co-Chair AAPM Medical Physics Practice Guideline 14a – Y90 Microspheres Member AAPM Imaging Physics Committee Member AAPM Working Group on Medical Physics Graduate Education Program Committee Member AAPM Diagnostic Workforce Subcommittee Member AAPM Working Group on Radioactive Microspheres Member AAPM Subcommittee on Practice Guidelines Member AAPM Diagnostic Workforce Subcommittee, Unit No. 54 Workshop Group Member AAPM TG 313 – Nuclear Medicine Shielding Requirements Member AAPM Professional Council Member ARRT Nuclear Medicine Exam Committee Member ABR Part 3 Exam Committee			
RESEARCH INTERESTS			
Nathan is interested in clinical research questions regarding nuclear medicine shielding, Y-90 microsphere therapy, PET annual performance testing, and cone-beam dosimetry.			
RESEARCH SUMMARY			
Type	Total	Last 5 years	
Peer-reviewed papers in referred journals	3	1	
Book chapters & conference proceedings	0	0	
Published Abstracts	9	3	
Presentations at national/international conferences	4	3	
RESEARCH FUNDING SUPPORT			
Source of Funding	Title of Research Grant	Dates of Support	Funding Amount
n/a			

LIST OF SELECTED PUBLICATIONS – Reverse Chronological Order

- Burmeister JW, **Busse NC**, Cetnar AJ, Howell RR, Jeraj R, Jones AK, King SH, Matthews KL 2nd, Montemayor VJ, Newhauser W, Rodrigues AE, Samei E, Turkington TV, Gronberg MP, Loughery B, Roth AR, Joiner MC, Jackson EF, Naine PA, Kim LH. “Academic program recommendations for graduate degrees in medical physics: AAPM Report No. 365 (Revision of Report No. 197),” J Appl Clin Med Phys. 2022 Oct;23(10):e13792. doi: 10.1002/acm2.13792. Epub 2022 Oct 8.
- N Busse**, X Liu, J Rong, D Gauntt. “Radiographic and Mammographic Systems.” Published as an RSNA/AAPM Radiology Physics Educational Module, (2015).
- N Busse**, W Erwin, T Pan, “Evaluation of a semi-automated lung mass calculation technique for internal dosimetry applications,” Med. Phys. 40(12), (2013).