

CHRISTINA N. DOWLEN, DC, MS, DACBR

1568 Reids Ferry Way
Marietta, GA 30062

cdowlen@life.edu
(804) 318 - 0266

EDUCATION

University of Western States, Portland, OR **September 2020**

Master of Science in Diagnostic Imaging

Residency in Diagnostic Imaging

Life University, Marietta, GA **September 2017**

Doctor of Chiropractic

Cum Laude

Virginia Commonwealth University (VCU), Richmond, VA **December 2013**

Bachelor of Science in Health, Physical Education, and Exercise Science

Major concentration in Exercise Science

Cum Laude

CHIROPRACTIC EXPERIENCE

University of Western States, Portland, OR **October 2017 - October 2020**

Resident in Diagnostic Imaging

- Interpreted radiographic studies, generate diagnostic imaging reports for the health centers of UWS and provide primary/secondary diagnostic imaging consultations with on-site and off-site clinicians
- Served as primary and secondary instructor of various radiology courses, including lecture and lab settings
- Performed radiographic examinations on patients of all ages by utilizing digital x-ray technology to obtain high diagnostic quality radiographs
- Assisted chiropractic interns with radiographic interpretation and report writing
- Gained proficiency in diagnostic musculoskeletal ultrasound scanning in various regions
- Prepared to perform successfully on the DACBR boards by studying assigned topics of radiology and demonstrating competence on quarterly oral and written examinations

Life University Outreach Clinic, Marietta, GA **July - September 2017**

Chiropractic Intern

- Provided chiropractic care in the Life University Outreach Clinic to patients of all ages
- Utilized Full Spine/Diversified, Thompson, and Torque Release techniques

Spinal Check Foundation, Kennesaw, GA **April - June 2017**

Chiropractic Intern

- Provided chiropractic care under close supervision of an experienced doctor
- Learned the foundation of successfully operating a chiropractic practice and the significance of marketing

Life University Center for Health and Optimum Performance **July 2016 - March 2017**

Chiropractic Intern

- Provided chiropractic care in the Life University outpatient clinic to patients of all ages
- Utilized Full Spine/Diversified, Thompson, and Torque Release techniques
- Recruited patients by informing them about the many benefits of chiropractic care
- Illustrated proficiency with the overall radiographic diagnostic examination/procedure

Life University Campus Center for Health and Optimum Performance **January - June 2016**

Chiropractic Intern

- Provided chiropractic care in the Life University student clinic
- Utilized Full Spine/Diversified technique
- Became competent in Tytron Thermography and postural analysis

Chester Family Chiropractic Center, Chester **September - December 2013**

Undergraduate Student Intern

- Observed different techniques with adjusting
- Assisted with conducting thermal and surface SMEG scans as well as taking and developing x-rays
- Developed an understanding of overall wellness and vitalism within the body
- Incorporated exercise, diet, and chiropractic care to achieve wellness

TEACHING EXPERIENCE

Life University, Marietta, GA

January 2021 – Current

Assistant Professor

- Lead instructor of entry-level radiology course focused on normal anatomy and congenital anomalies and skeletal variants within the spine and pelvis
- Lead co-instructor of x-ray physics course
- Lecture on a variety of radiographic pathologies within an interactive laboratory setting
- Present diagnostic imaging that illustrates pathology discussed in lectures for a variety of courses and discuss appropriate follow-up imaging and management if necessary

University of Western States, Portland, OR

October 2017 – September 2020

Lead Instructor of Radiographic Anatomy I

- Lectured on the topic of normal radiographic anatomy of the spine and pelvis

Lead Instructor of Radiographic Anatomy II

- Lectured on the topic of normal radiographic anatomy of the extremities and skull and provided an introduction to advanced imaging

Lead Instructor of Radiographic Anatomy III

- Lectured on the topic of normal radiographic anatomy of the soft tissues of the neck, thorax and abdomen

Lead Instructor of Bone Pathology I

- Lectured on the topic of the radiographic interpretation and case management of normal variants, congenital anomalies, common miscellaneous acquired conditions, fractures and dislocations

Lead Instructor of Bone Pathology II

- Lectured on the topic of the radiographic, laboratory, and clinical manifestations of neoplasms, infections and arthritides while discussing appropriate management of the diseases

Lead Instructor of Bone Pathology III

- Lectured on the topic of the radiological manifestations, clinical and laboratory presentations, and management of osteochondroses, skeletal dysplasias, nutritional, metabolic, endocrine and hematological conditions affecting the skeletal system
- Presented a review on special imaging procedures, including computed tomography, magnetic resonance imaging, nuclear medicine bone scan, ultrasound, discography and myelography

Lead Instructor of Soft Tissue Interpretation

- Lectured on the topic of diagnostic imaging of the chest and abdomen, utilizing a pattern approach to teach common radiographic findings of cardiorespiratory, gastrointestinal and genitourinary conditions
- Introduced preliminary management protocols

Secondary Instructor

- Aided the lead instructor in all courses mentioned above before becoming the lead in the consecutive quarter
- Observed the primary instructor and extracted useful methodologies that contribute to an environment conducive to student learning
- Assisted with instruction during labs while answering questions and guiding students through radiographic interpretation and appropriate management

Lead instructor of Radiologic Positioning Rounds (Quarterly)

- Instructed chiropractic interns on the positioning, procedure and clinical indications of routine radiographic examinations including, but not limited to, cervical, thoracic and lumbar spine; upper and lower extremities

Co-instructor of Radiology Intern of the Day (Quarterly)

- Provided one-on-one sessions with interns tailored to future preceptorships and/or specialization of care interests
- Reviewed radiographic anatomy and pathology on multiple modalities, radiographic patient positioning and discussing clinical decision-making as it pertains to diagnostic imaging

Life University Student Success Center

June 2016 – September 2017

Supplemental Instruction Leader

- Facilitated learning by reiterating and clarifying course material for radiology in an outside of the classroom group session
- Presented creative study tips for effective retention of material

RESEARCH EXPERIENCE

University of Western States, Portland, OR

October 2017 – September 2020

Master of Science Thesis

- Causal Relationship Between Radiographic Postural Assessments in Sagittal Cervical Spine and Cervicogenic Headaches

PRESENTATIONS

American Chiropractic College of Radiology, Portland, OR

October 2018

Annual Workshop

Sciatic Nerve Sheath Tumor – a case study

HEALTH RELATED EXPERIENCE

Chippenham Hospital's Cardiac Rehabilitation Center, Richmond, VA

May 2013 – Aug 2013

Undergraduate Student Internship

- Measured blood pressure and heart rate, placed ECG leads onto patients, and assisted with initial exercise testing
- Constructed cardiovascular workouts and created progressions over time tailored to patient needs
- Supervised all patients during workouts to ensure they stayed within prescribed target heart range
- Monitored cardiac responses during exercise with RN nurses while maintaining safety within the gym and helping patients use the exercise equipment correctly

The Children's Hospital of Richmond, T.E.E.N.S. Program, Richmond, VA

Jan – May 2013

Undergraduate Student Internship

- Assisted with performing VO₂ Max Tests (including calibration and cleanup) and contributing to a long term and ongoing research study
- Conducted strength tests and designed training programs to provide improvement in muscular strength and endurance
- Constructed cardiovascular workouts and produced alternative workout plans as necessary

ADDITIONAL SKILLS

Radiologic Technology

- Review patient history and ensure that requested studies are adequate
- Complete radiographic examinations utilizing appropriate patient positioning protocols while implementing correct procedures to ensure radiation doses are within ALARA limits
- Obtain images of excellent radiographic quality with high contrast resolution by selecting the best anatomic and technical exposure parameters
- Exercise proficiency in operating and maintaining all radiographic equipment
- Gain experience with PACS technology and radiology information systems including OmniVue and RadiAnt

Musculoskeletal Ultrasound

- Efficiently perform volunteer musculoskeletal ultrasound scanning for the University of Western States Health Center by demonstrating proficiency in scanning the shoulder, elbow, wrist, hand/finger, knee, ankle and foot/toe regions
- Evaluate normal anatomical structures and investigate for pathology of tendons, ligaments, bursae and bone surfaces

Computer Proficiency

- LMS software (WebCampus, EMedley, Blackboard)
- EHR software (Epic, SmartCloud) and diagnostic software (OmniVue, RadiAnt, OPAL-RAD)
- Macintosh software (Pages, Numbers, and Keynote) and Microsoft software (Microsoft Word, Excel, and PowerPoint)

PROFESSIONAL DEVELOPMENT

American Chiropractic College of Radiology, Kansas City, KS

October 2022

Annual Workshop

Dr. Tetyana Gorbachova, MD, Einstein Healthcare Network

- Six hour course on a variety of musculoskeletal imaging topics, including imaging in metastatic disease and pathological fracture; fracture complications; spinal infections; MRI signal of spinal and general marrow; and an approach to soft tissue tumors

American Chiropractic College of Radiology, Minneapolis, MN Annual Workshop <i>Dr. Mark Schweitzer, MD, Wayne State University School of Medicine</i>	September 2021
<ul style="list-style-type: none"> • Six hour course on a variety of musculoskeletal imaging topics, including imaging pitfalls and how to avoid them, knee injury, common pathologies of the hand, and differential diagnosis and nomenclature of osteochondral and subchondral lesions. 	
American Institute of Radiologic Pathology, Silver Springs, MD Neuroradiology <i>James Smirniotopoulos, MD, Chief Editor, National Library of Medicine; Thierry Huisman, MD; Christopher Hunt, MD; Kelly Koeller, MD; Jennifer Nathan, MD; C. Douglas Phillips, MD; Deborah Schatzkes, MD; Robert Shih, MD</i>	August 2019
<ul style="list-style-type: none"> • This 4-day course provided a comprehensive review of neuroradiology including spine, head and neck imaging. The material included congenital disease, trauma, stroke and vascular imaging; neoplasms of the brain; head and neck, orbit and spine central nervous system (CNS) infections. 	
American Chiropractic College of Radiology, Portland, OR Annual Workshop <i>Mark Anderson, MD, University of VA Professor of Radiology</i>	October 2018
<ul style="list-style-type: none"> • Six hour course on a variety of musculoskeletal imaging topics, including imaging in osteoporosis and tumors; MRI of spinal and non-spinal trauma; MRI of the knee; and shoulder prostheses 	
American Institute of Radiologic Pathology, Silver Springs, MD Musculoskeletal Imaging <i>Mark Murphey, MD, Physician-in-Chief at the AIRP; Mark Anderson, MD; Donald Flemming, MD; Jon Jacobson, MD; William Morrison, MD; Michael Mulligan, MD; Thomas Pope, MD; Charles Resnik, MD; Mark Schweitzer, MD</i>	October 2018
<ul style="list-style-type: none"> • This 5-day course covered the vast majority of musculoskeletal diseases including trauma, neoplasm, infection, arthritis and internal derangement, metabolic, systemic and congenital abnormalities. 	
Fundamentals of Musculoskeletal Ultrasound, San Diego, CA Annual Workshop <i>Jon Jacobson, MD, University of MI Director of Musculoskeletal Radiology; Mark Cresswell, MD; Tom Powell MB BCh, FFR (RCSI); Rob Campbell, FRCR; Emma Rowbotham, MB BCh, FFR (RCSI); Philippe Peetrons, MD; Linda Probyn, MD; Sandra Allison, MD; Andrew Grainger, FRCP FRCR; Martin Torriani, MD; Jonathan Halperin, MD; Kenneth Lee, MD</i>	April 2018
<ul style="list-style-type: none"> • This 5-day course provided lectures on musculoskeletal ultrasound interpretation of major anatomical structures and common pathology that may be visualized using this modality. Additionally, the conference provided a daily, supervised hands-on workshop with experienced doctors that utilize this modality frequently in practice. 	
American Chiropractic College of Radiology, Minneapolis, MN Annual Workshop <i>Mark Murphey, MD, Physician-in-Chief of AIRP</i>	October 2017
<ul style="list-style-type: none"> • This 6-hour course encompassed a variety of musculoskeletal tumor and infection imaging topics including dilemmas in diagnosis and pitfalls of tumor imaging, common osteoid and soft tissue tumors, and common musculoskeletal infections. 	
American Chiropractic College of Radiology, St. Louis, MO Annual Workshop <i>Donald Resnick, MD, UCSD Chief of Osteoradiology</i>	October 2016
<ul style="list-style-type: none"> • This 6-hour course covered a variety of topics including targeted approaches to arthritis; bone, tendon and cartilage injury; metabolic and endocrine disorders; osteomyelitis, septic arthritis and soft tissue infection. 	
PROFESSIONAL LICENSES/CERTIFICATIONS	
Diplomate of American Board of Chiropractic Radiology <i>Registry Number 345</i>	July 2021 – Current
State of Georgia Chiropractic Physician License <i>License Number CHIR010440</i>	October 2020 – Current
American Heart Association <i>CPR/AED CERTIFIED – Basic Life Support</i>	March 2020 – March 2022

AWARDS/HONORS

Life University

September 2017

Student Success Center

- Recognized and commended for outstanding service as a supplemental instruction leader/tutor

Chick-fil-A Leadership Scholarship Program

September 2011

- Awarded \$1000 for displaying exceptional leadership within the workplace

PROFESSIONAL MEMBERSHIPS

American Chiropractic Board of Radiology

American Chiropractic College of Radiology

Radiologic Society of North America

REFERENCES

Dr. Beverly Harger, DC, DACBR

Director of MS Diagnostic Imaging Residency

Professor of Radiology

University of Western States

8000 NE Tillamook St

Portland, OR 97213

Tel: (503) 251-5792

Email: bharger@uws.edu

Dr. Bill Moreau, DC, DACBSP, FACSM

Chief Medical Officer

University of Western States

8000 NE Tillamook St

Portland, OR 97213

Email: bmoreau@uws.edu

Dr. Timothy Stecher, DC, DACBR, CCSP

Assistant Professor, Department of Clinical Sciences

University of Western States

8000 NE Tillamook St

Portland, OR 97213

Tel: (503) 251-2813

Email: tstecher@uws.edu

Dr. Martha Kaeser, MEd, DC

Associate Dean for Pre-Clinical Education

University of Western States

8000 NE Tillamook St

Portland, OR 97213

Tel: (503) 847-2598

Email: mkaeser@uws.edu

Dr. Gary Schultz, DC, DACBR

Professor, Department of Clinical Sciences

University of Western States

8000 NE Tillamook St

Portland, OR 97213

Email: gschultz@uws.edu