

## CURRICULUM VITAE

**Megan D Lane, MHA, RT(R)(CT), RDMS, RVT**

### GENERAL INFORMATION

**Date of Preparation:** January 2, 2020

### Personal Data

**Office Address** Diagnostic Medical Sonography Program  
College of Health Professions  
University of Arkansas for Medical Sciences  
4301 W. Markham Street, #  
Little Rock, Arkansas 72204-7199

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### Education

2017 Master Degree, Healthcare Administration, Bellevue University, Bellevue, NE.  
Capstone: Nursing Recruitment and Retention Program

2014 Bachelor Degree, Diagnostic Medical Sonography, University of Arkansas – Fort  
Smith, Fort Smith, AR.

2012 Associate Degree, Radiography, University of Arkansas – Fort Smith, Fort Smith, AR.

### Expertise

**Vascular Sonography** – Specialty training and experience with the most recent technologies and procedures related to vascular sonography.

**Abdominal Sonography** – Specialty training and experience with the most recent technologies and procedures related to abdominal and small parts sonography.

**Gynecologic Sonography** – Specialty training and experience with the most recent technologies and procedures related to gynecologic sonography.

### Academic and Administrative Appointments

### LICENSURE/CERTIFICATION

01/2014 Registered Vascular Technologist (RVT), American Society for Diagnostic Medical  
Sonographers, #177727, Expires 12/2020.

- 03/2014 Registered Diagnostic Medical Sonographer, Abdomen (RDMS (AB)), American Society for Diagnostic Medical Sonographers, #177727, Expires 12/2020.
- 05/2014 Registered Diagnostic Medical Sonographer, Obstetrics and Gynecology (RDMS (OB/Gyn)), American Society for Diagnostic Medical Sonographers, #177727, Expires 12/2020.
- 05/2015 Registered Technologist, Radiographer RT(R), The American Registry of Radiologic Technologists, #505247, Expires 12/2020.
- 05/2012 Registered Technologist, Computer Tomography RT(CT), The American Registry of Radiologic Technologists, #505247, Expires 12/2020.

**PROFESSIONAL AFFILIATIONS**

- 07/18 - Present Member, Society of Diagnostic Medical Sonography (SDMS)
- 07/18 – Present Member, American Society for Radiologic Technologists (ASRT)
- 07/19 – Present Member, Society for Vascular Ultrasound (SVU)

**PROFESSIONAL DEVELOPMENT**

- 08/18 – 12/18 Educators Academy, University of Arkansas for Medical Sciences, Office of Education, Little Rock, AR. *A program that inspires, reflects, and sustains a shared institutional vision to promote high-quality teaching, learning, educational research, and scholarship.*

**TEACHING**

**Teaching – Courses**

<b>Date</b>	<b>Course Name</b>	<b>Level</b>	<b>Role</b>
08/18 - Present	DMSO 3313 Abdominal Sonography	Undergraduate	Primary Instructor
	<i>Applications of abdominal sonography will include a review of gross abdominal anatomy, physiology, and pathology of every organ imaged. Pertinent laboratory tests, as well as signs and symptoms related to the disease processes of each organ, will be discussed. Basic scanning techniques and protocols will be included.</i>		
08/18 - Present	DMSO 3221 Gynecologic Sonography	Undergraduate	Primary Instructor
	<i>Gynecological anatomy, physiology, and pathology will be the focus of this course. Laboratory tests and the warning signs and symptoms of gynecologic diseases will be discussed. Scanning techniques and examination protocols will also be included.</i>		

01/19 – Present	DMSO Cardiovascular Pathophysiology	Undergraduate	Primary Instructor
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*An advanced study of the structures, function, and pathologies of vascular and cardiac anatomy of sonographic interest.*

05/19 – Present	DMSO 4342 Introductory Cardiac & Vascular	Undergraduate	Primary Instructor
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*This course is an introductory study of color Doppler imaging and spectral Doppler waveform analysis related to blood flow within the cardiac and vascular systems and the abdominal, pelvic, fetal, and superficial organs. Introduction to the interpretation of ECG recordings is also included.*

08/19 – Present	DMSO 4353 Intermediate Vascular Sonography	Undergraduate	Primary Instructor
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*A study of arterial and venous anatomy, vascular imaging protocols, basic scanning techniques, and transducer manipulation. B-Mode imaging, color flow image interpretation, and spectral Doppler waveform analysis will be discussed. Vascular disease and its effect on blood flow will be covered.*

01/20 – Present	DMSO 4363 Advanced Vascular Sonography	Undergraduate	Primary Instructor
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*Advanced study of vascular anatomy and physiology are the foci of this course. Symptoms of venous and arterial diseases are discussed. Scanning techniques and protocols used to diagnose vascular pathology are also included.*

### Teaching - Other

Date	Description	Institution/Organization
01/25/19	Teach the Teacher Symposium	University of Arkansas for Medical Sciences, Little Rock, Arkansas.
	<i>The symposium continues to be successful in helping educators throughout the state stay up to date and even get ahead in using technology to enhance student engagement.</i>	

### PUBLICATIONS

#### Journal Articles (\*Peer-Reviewed)

Briggler, A.E., Lane, M. D., & Simmons, L. Q. (2020). Lifestyle changes to reverse the effects of portal hypertension: A case study review. *Currently working to get into peer review.*

**Abstracts (\*Peer-Reviewed)**

\*Sowle, A. & Lane, M. D. (2018, December). *Chronic venous insufficiency*. Invitation for poster presentation at the Strandness Vascular Symposium, Hawaii.

**PRESENTATIONS**

**Local (\* Peer Reviewed)**

Introduction to Diagnostic Medical Sonography, Diagnostic Assessment 2 Courses, UAMS  
Department of Physician Assistant Studies, Little Rock, AR. January 2020. Sole Presenter

**SERVICE**

**Service to the Institution**

9/19 – Present      Master Facilitator in Interprofessional Education. University of Arkansas for Medical Sciences, Little Rock, AR. *Certified facilitator for Exposure Workshop, Simulation, Competence Workshop, and 12<sup>th</sup> Street Health and Wellness Clinic*

**COMMITTEES**

**School or College**

8/19 – Present      CHP Curriculum Committee, College of Health Professions, University of Arkansas for Medical Sciences