

## **CURRICULUM VITAE**

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## **EDUCATION BACKGROUND**

<b><u>DATE</u></b>	<b><u>INSTITUTION</u></b>	<b><u>MAJOR FIELD</u></b>	<b><u>DEGREE</u></b>
08/02 – 08/04	University of Arkansas at Little Rock	Adult Education	M. Ed.
08/96 – 08/97	University of Arkansas for Medical Sciences College of Health Related Professions	Diagnostic Medical Sonography	Advanced Certificate
08/95 – 08/96	University of Arkansas for Medical Sciences College of Health Related Professions	Nuclear Medicine Technology	B.S.
10/93 – 06/94	Community College of the Air Force Gunter Air Force Base, Alabama	Flight Engineer Technology	A.A.S.
09/93 – 10/93	Airlift Operations School Scott Air Force Base, Illinois	Combat Airlift Operations	Certificate
04/91 – 06/91	Senior Noncommissioned Officer Academy Gunter Air Force Base, Alabama	Advanced Leadership, Management, Supervision	Certificate
01/83 – 03/83	Noncommissioned Officer Academy Kadena Air Base, Okinawa	Leadership, Management	Certificate
08/78 – 11/78	Noncommissioned Officer Leadership School Dover Air Force Base, Delaware	Leadership	Certificate

08/77 – 11/77	Airlift Instructor School Little Rock Air Force Base, Arkansas	Instructor Upgrade	Certificate
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**TEACHING EXPERIENCE**

<b><u>INSTITUTION</u></b>	<b><u>DATE</u></b>	<b><u>RANK</u></b>
University of Arkansas for Medical Sciences College of Health Related Professions Department of Imaging & Radiation Sciences Division of Diagnostic Medical Sonography 4301 W. Markham St., Slot 563 Little Rock, AR 72205-7199	05/00 – Present	Assistant Professor
Baptist Health Medical Center 9601 Interstate 630, Exit #7 Little Rock, AR 72205	08/97 – 05/00	Clinical Instructor
16 <sup>th</sup> , 34 <sup>th</sup> , 61 <sup>st</sup> , & 53 <sup>rd</sup> Squadrons Little Rock Air Force Base Jacksonville, AR	06/86 – 04/94	Classroom, Flight Simulator, & In-flight Instructor
1 <sup>st</sup> Special Operations Squadron Clark Air Base Republic of the Philippines	10/82 – 06/86	Classroom, Flight Simulator, & In-flight Instructor
39 <sup>th</sup> Tactical Airlift Squadron Pope Air Force Base Fayetteville, North Carolina	09/78 – 09/82	Classroom, Flight Simulator, & In-flight Instructor
Various Air Force Squadrons	06/74 – 08/78	Aircraft Maintenance Instructor

**COURSES TAUGHT**

- \* Introductory Ultrasound Physics and Instrumentation (DMS 3312)
- \* Advanced Ultrasound Physics and Instrumentation (DMS 3222)
- \* Sectional Anatomy (DMS 3211)
- \* Gynecologic Sonography (DMS 3221)
- \* Doppler Sonography and Advanced Hemodynamics (DMS 4352)
  - Online Career Ladder Students
  - Traditional DMS Students
- \* Advanced Vascular Sonography (DMS 4363)
  - Online Career Ladder Students
  - Traditional DMS Students

- \* Introductory Cardiac and Vascular Sonography (DMS 4342)
  - Online DMS Students
- \* Intermediate Vascular Sonography (DMS 4353)
  - Online DMS students
- \* Introduction to Healthcare Management (DMS 4300)
  - Online Career Ladder Students
- \* Healthcare Systems in America (DMS 4301)
  - Online Career Ladder Students
- \* Healthcare Systems in America (MIS 6351)
  - Online Graduate Course
- \* Neurosonography (DMS 4303)
  - Online Career Ladder Students

**TEACHING RESPONSIBILITIES**

- \* Traditional classroom instruction utilizing multimedia formats such as PowerPoint, videotape, slides, CDs, DVDs, computers, and the Internet.
- \* Distance education based on multimedia formats while utilizing the Interactive Video Network (IVN) at UAMS.
- \* Distance education based on multimedia formats while utilizing Blackboard and the Internet.
- \* Distance education course design, presentation, and student evaluation utilizing the IVN at UAMS.
- \* Distance education course design, presentation, and student evaluation utilizing Blackboard and the Internet.
- \* Noon Conference lectures on ultrasound physics and instrumentation for the College of Medicine radiology residents.

**ADMINISTRATIVE EXPERIENCE**

<b><u>DATE</u></b>	<b><u>INSTITUTION</u></b>	<b><u>POSITION</u></b>
05/00 – Present	University of Arkansas for Medical Sciences Division of Diagnostic Medical Sonography	Clinical Coordinator
06/92 – 04/94	53 <sup>rd</sup> Airlift Squadron Little Rock Air Force Base Jacksonville, Arkansas	Flight Engineer Superintendent
04/90 – 06/92	61 <sup>st</sup> Tactical Airlift Squadron Little Rock Air Force Base Jacksonville, Arkansas	Flight Engineer Superintendent
03/89 – 04/90	34 <sup>th</sup> Combat Airlift Training Squadron Little Rock Air Force Base Jacksonville, Arkansas	Chief of Joint Air Force & Army Combat Planning Operations

06/86 – 03/89	16 <sup>th</sup> Tactical Airlift Training Squadron Little Rock Air Force Base Jacksonville, Arkansas	Chief of Quality Assurance
06/82 – 06/86	1 <sup>st</sup> Special Operations Squadron Clark Air Base Republic of the Philippines	Chief of Quality Assurance & Training

### **ADMINISTRATIVE RESPONSIBILITIES**

- \* Coordinating eight annual clinical rotations for approximately 40 Diagnostic Medical Sonography (DMS) students at 50 clinical sites located throughout Arkansas.
- \* Monitoring the sonography student's clinical training via the Trajecsys Report System, an electronic clinical records keeping system.
- \* Recruiting additional clinical sites for the DMS program.
- \* Developing online course evaluation methodology.
- \* Student and staff recruiting/counseling.
- \* Limited research, data analysis, and preparation of reports.
- \* Military budget development and management.
- \* Preparing and delivering military briefings to higher authorities.

### **CERTIFICATION/REGISTRATION**

- \* Registered Vascular Sonographer with the American Registry for Diagnostic Medical Sonographers.
- \* Registered Diagnostic Medical Sonographer in Abdomen, Obstetrics / Gynecology, and Neurosonology with the American Registry for Diagnostic Medical Sonographers.

### **CLINICAL EXPERIENCE**

Over two and one-half years of experience in Diagnostic Medical Sonography that included Abdomen, Obstetrics/Gynecology, Neurosonology, and Vascular Studies at Baptist Health Medical Center, Little Rock, Arkansas.

### **PROFESSIONAL SOCIETIES/ORGANIZATIONS**

- \* Member, American Registry for Diagnostic Medical Sonographers Examination Development Task Force for Sonographic Principles and Instrumentation national certification examination.
- \* Member, Society of Diagnostic Medical Sonography.
- \* Member, Northwest Arkansas Sonographer's Society.

## **UNIVERSITY SERVICE**

University of Arkansas for Medical Sciences  
College of Health Related Professions

- 2009 – Present Member of the UAMS Northwest Campus Technology Working Group.
- 2007 – Present Member of the College of Health Related Professions Curriculum Committee.
- 2005 – 2006 Chairman of the College of Health Related Professions Diversity Committee.
- 2004 – 2005 Member of the College of Health Related Professions Diversity Committee.
- 2001 – 2003 Member of the College of Health Related Professions Alumni Relations and College Advancement Committee.
- 1998 – 1999 DMS program ultrasound physics and instrumentation tutor.
- 1997 – 1998 Member of the DMS Self-Study Committee for initial program accreditation.
- 1996 – 1997 Class president for the initial DMS Class of 1996 – 1997.

## **PUBLICATIONS**

"Distance Education Utilizing Compressed Interactive Video", Baker AL, Arkansas Association of Instructional Media, 35, 2003. 7 – 9.

"Energizing Education: Doppler Football"; DuBose TJ and Baker AL; Journal of Diagnostic Medical Sonography, 22: 135-137 March/April 2006.

"Sonographic Transducer Instrumentation", Ludwig RL, Baker AL, Oakes A, Wolfe M, Radiologic Technology, Sept/Oct 2005, 77: 11 – 14.

"Acoustic Doppler Shifts in Medicine", Dubose TJ, Baker AL; Applied Acoustics, 68 (2007), 240 – 144.

"Electronic Systems for Student Clinical Records", Baker AL, DuBose TJ, Journal of Diagnostic Medical Sonography, June 2009, 25; 277.

"Confusion and Direction in Diagnostic Doppler Sonography", DuBose TJ, Baker AL, Journal of Diagnostic Medical Sonography, May 2009; 25; 173.

## **INVITED PRESENTATIONS**

"Electronic Clinical Records Systems", Baker AL; Society of Diagnostic Medical Sonography Annual Conference, October, 2008, Connecticut.