

# DAVID T. FETZER

**Citizenship:** United States  
**Place of Birth:** San Antonio, TX  
**Residence:** San Antonio, TX – 1980-1999  
Rochester, NY – 1999-2004  
Houston, TX – 2004-2009  
Pittsburgh, PA – 2009-2014  
Dallas, TX – 2014-present

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**David.Fetzer@utsouthwestern.edu**

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## EDUCATION and TRAINING

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### UNDERGRADUATE:

*Aug 1999 – May 22, 2004*

**Bachelor of Science, Imaging Science, 2004**  
Rochester Institute of Technology, College of Science

### GRADUATE:

*Aug 2004 – May 31, 2008*

**Doctorate of Medicine, 2008**  
University of Texas Health Science Center at Houston Medical School

### POSTGRADUATE:

*June 24, 2008 – June 23, 2009*

**Transitional Residency, 2009**  
University of Texas Health Science Center at Houston Medical School

*July 1, 2009 – June 30, 2013*

**Diagnostic Radiology Residency, 2013**  
University of Pittsburgh Medical Center Medical Education Program

*July 1, 2013 – June 30, 2014*

**Abdominal Imaging Fellowship, 2014**  
UPMC University of Pittsburgh Physicians  
Department of Radiology

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## WORK EXPERIENCE, APPOINTMENTS and POSITIONS

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*Aug 2014 to present*

**Assistant Professor**  
University of Texas Southwestern Medical Center  
Department of Radiology, Division of Abdominal Imaging

*Aug 2014 to present*

**Adjunct Instructor in Radiology**  
University of Pittsburgh School of Medicine  
Department of Radiology

*July 2014 to Aug 2014*

**Casual Faculty**  
UPMC University of Pittsburgh Physicians  
Department of Radiology, Division of Emergency and Teleradiology

*July 2013 to June 2014*

**Clinical Instructor**  
UPMC University of Pittsburgh Physicians &  
University of Pittsburgh School of Medicine  
Department of Radiology, Division of Abdominal Imaging

*Dec 2009 to June 2014*

**Resident Researcher**  
University of Pittsburgh School of Medicine, Department of Radiology  
Imaging Biomarker Lab

<i>July 2009 to June 2013</i>	<b>Diagnostic Radiology Resident</b> University of Pittsburgh Medical Center Medical Education Program
<i>June 2008 to June 2009</i>	<b>Transitional Resident</b> University of Texas Health Science Center at Houston Medical School LBJ General Hospital Transitional Year Program
<i>May 2005 to May 2006</i>	<b>Student Researcher</b> University of Texas Health Science Center at Houston Medical School, Department of Diagnostic and Interventional Imaging
<i>Aug 2005 to Sept 2005</i>	<b>Gross Anatomy Lab Pedagogue</b> University of Texas Health Science Center at Houston Medical School, Department of Neurobiology and Anatomy
<i>May 2003 to June 2004</i>	<b>Undergraduate Researcher</b> Rochester Institute of Technology Chester F. Carlson Center for Imaging Science, Biomedical Imaging Lab
<i>June 2001 to Aug 2001 &amp; June 2002 to Aug 2002</i>	<b>Technologist Assistant</b> South Texas Radiology Imaging Centers, Southwest Imaging Center
<i>June 2000 to Aug 2000</i>	<b>Patient Care Assistant</b> Nix Health Care System, Nix Medical Center Department of Radiology

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## CREDENTIALS

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### SPECIALTY CERTIFICATION

<b>Diagnostic Radiology - Certified</b> <i>Authorized User Eligible</i> American Board of Radiology	<i>June 2013</i>
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### LICENSURE

<b>Medical License, Full</b> Texas Medical Board	<i>Feb 2013 to Dec 2014</i>
<b>Telemedicine Certificate</b> State of Ohio	<i>May 2014 to Dec 2014</i>
<b>Medical License, Medical Physician and Surgeon</b> Commonwealth of Pennsylvania	<i>Feb 2013 to Dec 2014</i>
<b>Medical Training License, Diagnostic Radiology</b> Commonwealth of Pennsylvania University Health Center Department of Education	<i>July 2009 to June 2013</i>
<b>Physician-in-Training Permit</b> Texas Medical Board University of Texas Medical School at Houston, LBJ General Hospital Transitional Year Program	<i>June 2008 to June 2009</i>

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## OTHER PROFESSIONAL CERTIFICATES

### **Certificate in Medical Humanities**

*May 31, 2008*

University of Texas Health Science Center at Houston Medical School  
John P. McGovern, M.D. Center for Health, Humanities, and the Human Spirit

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## MEMBERSHIPS in PROFESSIONAL and SCIENTIFIC SOCIETIES

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<b>Society of Radiologists in Ultrasound</b>	<i>2014 to present</i>
<b>Society of Abdominal Radiologists</b>	<i>2014 to present</i>
<b>The American Institute of Ultrasound in Medicine</b>	<i>2013 to 2014</i>
<b>Radiological Society of North America</b>	<i>2009 to present</i>
<b>American Roentgen Ray Society</b>	<i>2009 to present</i>
<b>American Society of Emergency Radiology</b>	<i>2009 to present</i>
<b>American College of Radiology</b>	<i>2009 to present</i>
<b>North American Society for Cardiovascular Imaging</b>	<i>2009 to 2014</i>
<b>American Medical Association</b>	<i>2004 to 2010</i>
<b>Texas Medical Association</b>	<i>2004 to 2009</i>
<b>American Medical Student Association</b>	<i>2004 to 2008</i>
<b>UT Houston Future Radiologists of America</b>	<i>2004 to 2008</i>
<b>Society for Imaging Science &amp; Technology, Student Chapter</b>	<i>2000 to 2004</i>

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## HONORS and AWARDS

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<b>RSNA Research and Education Foundation, Roentgen Resident/Fellow Research Award</b>	
Award recipient, Pittsburgh, PA.	<i>June 2013</i>
Award recipient, Pittsburgh, PA.	<i>June 2012</i>
<b>RSNA Cum Laude Education Exhibit Award, 97<sup>th</sup> Annual Meeting</b>	
Award recipient, Chicago, IL.	<i>Nov 2011</i>
<b>American Institute of Radiologic Pathology - Best Case in Gastrointestinal Imaging</b>	
Award recipient, Silver Spring, MD.	<i>Oct 2011</i>
<b>RSNA/AUR/ARRS Introduction to Academic Radiology Program</b>	
Invited participant, Chicago, IL.	<i>May 2011</i>
<b>Memorial Award for Research in Radiology, Association for University Radiologists</b>	
Award recipient, 54th Annual Meeting, Austin TX.	<i>April 2006</i>
<b>NIH Summer Research Program, University of Texas Health Science Center at Houston</b>	
Invited participant, Houston, TX.	<i>July 2005</i>

<b>Doolittle-Merrill Premedical Studies Scholarship</b>	
Award recipient, Rochester, NY.	2003
<b>Carlson Imaging Science Scholarship</b>	
Award recipient, Rochester, NY.	2001
Award recipient, Rochester, NY.	2003
<b>Nathaniel Rochester Society Scholarship</b>	
Award recipient, Rochester, NY.	2001
Award recipient, Rochester, NY.	2002
<b>RIT Presidential Scholarship</b>	
Award recipient, Rochester, NY.	1999 to 2004

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## PUBLICATIONS

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### REFEREED ARTICLES

- Reynolds AR, Furlan A, Fetzer DT, Sasatomi E, Borhani AA, Heller M, Tublin M. Infiltrative Hepatocellular Carcinoma: What Radiologists Needs to Know. *RadioGraphic* 2015, Mar-Apr;35(2):371-386.
- Bergerson JT, Lee JG, Furlan A, Sourianarayanan A, Fetzer DT, Tevar AD, Landsittel DP, DiMartini AF, Dunn MA. Liver transplantation arrests and reverses muscle wasting. *Clin Transplant*. 2015, Mar;29(3):216-21.
- Knollmann F, Kumthekar R, Fetzer DT, Socinski, M. Assessing Response to Treatment in Non-Small Cell Lung Cancer: Role of Tumor Volume by CT. *Clinical Lung Cancer*. 2014, Mar;15(2):103-9.
- Furlan A, Aghayev A, Chang CH, Patil A, Jeon KN, Park B, Fetzer DT, Melissa S, Roberts MS, Bae KT. Short-Term Mortality in Acute Pulmonary Embolism: Clot Burden and Signs of Right Heart Dysfunction Measured on CT Pulmonary Angiography Imaging. *Radiology*. 2012, Oct;265(1):283-93.
- Delfyett WT, Fetzer DT. Imaging of Neurological Conditions During Pregnancy and the Perinatal Period. *Neurologic Clinics*. 2012, Aug;30(3):791-822.
- Fetzer DT, Furlan A, Wang JH, Kantartzis S, Sholosh B, Bae KT. CT Cholangiography in Living Liver Transplant Donors: Factors Determining the Degree of Contrast Enhancement. *JCAT*. 2011, Nov;35(6):716-22.
- Roth ES, Fetzer DT, Barron BJ, Joseph UA, Gayed IW, Wan DQ. Does colon cancer ever metastasize to bone first? A temporal analysis of colorectal cancer progression. *BMC Cancer*. 2009 Aug;9(1):274.
- Fetzer DT, O. Clark West MD. The HIPAA Privacy Rule and Protected Health Information: Implications in Research Involving DICOM Image Databases. *Acad Radiol*. 2008 March;15(3):390-5.
- Fetzer DT, Charles Green PhD, O. Clark West MD. Mathematical Modeling Improves Computed Tomography Diagnosis Of Traumatic Aortic Injury. *Acad Radiol*. 2006 Oct;13(10):1244-53.

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### PRESENTATIONS and OTHER PUBLICATIONS

- Roth ES, Fetzer DT, Heller M, Dasyam A, Solosh B. Patterns of Hepatic Steatosis: Common to Crazy. American Roentgen Ray Society, ARRS Annual Meeting, 2014, San Diego, CA.
- Borhani A, Fetzer DT, Houshmand G, Tadros, S. Post-transplant Lymphoproliferative Disorder (PTLD) in Pediatric Population: Spectrum of Imaging Findings with Surgical and Pathologic Correlation. Radiological Society of North America, RSNA 2013, Chicago II.
- Reynolds AR, Fetzer DT, Furlan A, Heller MT, Tublin ME. Infiltrative Hepatocellular Carcinoma (I-HCC): What the Abdominal Radiologist Needs to Know. Radiological Society of North America, RSNA 2013, Chicago II.

Fetzer DT, Socinski M, Friedland D, Knollmann F. "CT Perfusion in Lung Cancer: Reproducibility and Inter-Observer Variability." Radiological Society of North America scientific poster session, RSNA 2012, Chicago II, Nov 28, 2012.

Knollmann F, Fetzer DT, Friedland D, Socinski M. "Blood Supply in Non-Small Cell Lung Cancer: Assessment by Perfusion Computed Tomography." Radiological Society of North America scientific presentation, RSNA 2012, Chicago II, Nov 26, 2012.

Fetzer DT, Kanal E. "Radiation Dose Reduction Through Inter- and Intra-Hospital Comparison of CT Protocols and Techniques – A Resident PQI Project." American Roentgen Ray Society Radiation Dose Reduction Course, Vancouver BC, April 2012.

Fetzer DT, Furlan A, Thaete L. "Imaging and Obesity, Insulin Resistance, and the Metabolic Syndrome." Radiological Society of North America education poster, RSNA 2011, Chicago II, Nov 2011.

Pio SL, Fetzer DT, Bleicher AG. "Imaging of Neuropathology During Pregnancy, Labor, and the Puerperium." American Roentgen Ray Society, neuroradiology educational poster presentation, 2011. *AJR* 2011; 196:A226-A262.

Fetzer DT, MD, Diane Strollo D, MD. "Silicosis and Progressive Massive Fibrosis." American College of Radiology, Case-in-Point, May 26 2011. Online.

Fetzer DT, MD, Iclal Ocak, MD. "Cystic Fibrosis and Bronchiectasis." American College of Radiology, Case-in-Point, April 13, 2011. Online.

Fetzer DT, MD, Kaya D, MD, Furlan A, MD, Bae KT, MD, PhD. "Characterization of Adrenal Lesions at Single-Phase Contrast-Enhanced CT: Use of Internal Body Tissue Attenuation as a Reference." Radiological Society of North America research poster, RSNA 2010, Chicago II, Nov 28, 2010.

Fetzer DT, MD, Furlan A, MD, Patil A, MD, Bae KT, MD, PhD. "Assessment of Clot Burden in Acute Pulmonary Embolism on CTPA: Semi-quantitative Scoring Methods versus Fully-quantitative Volume Measurement." Radiological Society of North America scientific presentation, RSNA 2010, Chicago II, Nov 28, 2010.

Fetzer DT, Charles Green PhD, O. Clark West MD. "Mathematical Modeling Improves Computed Tomography Diagnosis Of Traumatic Aortic Injury." Association for University Radiologists – 54th Annual Meeting. Austin TX, Feb 2006.

Fetzer DT, Maria Helguera PhD. "An Ultrasonic C-Scan Imaging System: Development of Test Targets and a Protocol for System Characterization." Chester F. Carlson Center for Imaging Science – Imaging Industrial Associates Annual Meeting. Rochester Institute of Technology, May 2004.

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## PROFESSIONAL ACTIVITIES

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### LECTURES

**Elastography: Applications in Neck and Hepatic Imaging**

Fellow lecture

Dec 17, 2014

**Phakomatoses and Other Multi-System Syndromes of the Abdomen**

Resident lecture

Dec 11, 2014

**Ultrasound: Physics and Artifacts**

Resident lecture

Sep 2, 2014

**Diffuse Liver Diseases, University of Chicago**

Lecture, Resident Case Conference

Mar 4, 2014

**Medical Imaging Sciences – Bridging the Gap Between Lab and Life Saving, Rochester Institute of Tech**

Lecture, Graduate Student Research Seminar

Feb 4, 2014

<b>Introduction to Fluoroscopy</b> , University of Pittsburgh School of Medicine Lecture, Medical Student	<i>Sept 11, 2013; Oct 15, 2013</i>
<b>Physics of Ultrasound</b> , University of Pittsburgh School of Medicine Board Review	<i>July 30, 2013; May 19, 2014</i>
<b>Abdominal Imaging Case Conference</b> , University of Pittsburgh School of Medicine Resident Case Conference	<i>July 29, 2013; Sept 9, 2013; Oct 14, 2013; Nov 25, 2013; Mar 4, 2014</i>
<b>Renovascular Hypertension</b> , Pediatric Chairman's Rounds, Children's Hospital of Pittsburgh Presentation, Grand Rounds	<i>Dec 14, 2012</i>
<b>Humanism and the Medical Image</b> , Pennsylvania Society of Radiology Technologists Annual Meeting Lecture	<i>April 13, 2012</i>
<b>CT Colonography</b> , University of Pittsburgh School of Medicine Presentation, Journal Club	<i>Feb 8, 2012</i>
<b>Advanced In Vivo Imaging of Chronic Liver Disease</b> , University of Pittsburgh School of Medicine Presentation, Scientific	<i>Dec 19, 2011</i>
<b>Introduction to Ultrasound</b> , University of Pittsburgh School of Medicine Lecture, Resident Review	<i>July 2010; July 2011; July 2012; July 18, 2013</i>
<b>Cardiac Chamber Enlargement</b> , University of Pittsburgh School of Medicine Presentation, Grand Rounds	<i>Mar 31, 2011</i>
<b>Eovist and Detection and Characterization of Liver Lesions</b> , University of Pittsburgh School of Medicine Presentation, Journal Club	<i>Feb 2, 2011</i>
<b>Wilson's Disease</b> , University of Pittsburgh School of Medicine Presentation, Radiology/Pathology Conference	<i>Oct 4, 2010</i>
<b>Hibernoma</b> , University of Pittsburgh School of Medicine Presentation, Radiology/Pathology Conference	<i>April 21, 2010</i>
<b>Small-Bowel Obstruction and Intussusception</b> , University of Pittsburgh School of Medicine Presentation, Journal Club	<i>Aug 19, 2009</i>
<b>Radiology Review for Gross Anatomy</b> , University of Texas Health Science Center at Houston Medical School Lecture/Review	<i>Sept, 2006; Sept, 2007</i>

## CURRENT RESEARCH ACTIVITIES

**Advanced sonographic techniques in thyroid and lymph node imaging** – implementation of ultrasound elastography and sonographic contrast agents in the evaluation of thyroid malignancies and superficial lymph nodes.

**Quantitative MR imaging in chronic liver disease** – testing of novel MR sequences in the measurement of fibrosis burden and portal hypertension.

**Semi-automated body metric quantification** – measurement of muscle mass and fat reserve in patients with chronic liver disease, as a predictor in transplant and hepatocellular carcinoma treatment outcomes.

**Computer-aided detection of pulmonary nodules** – development and testing of image registration algorithms for improved detection, tracking, and management.

**Hepatic Sarcoidosis** – imaging findings and patterns of disease in sarcoidosis related liver disease.

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## GRANT SUPPORT

**RSNA R&E Foundation - Fellow Grant**, *Advanced MR Imaging of Liver Fibrosis – T1rho Quantification*  
Principle Investigator July 2013 – Dec 2014

**NIH/NIBIB - R41 STTR**, *Image-Based Quantification and Analysis of Longitudinal Lung Nodule Deformations*  
Subcontract, Clinical Consultant July 2013 – June 2015

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## PRIOR RESEARCH ENDEAVORS

**Infiltrative Hepatocellular Carcinoma** – retrospective review of the infiltrative subtype of hepatocellular carcinoma with radiologic-pathologic correlation. University of Pittsburgh School of Medicine, Division of Abdominal Imaging.

**Quantitative MR imaging in chronic liver disease** – testing of novel MR sequences in the measurement of fibrosis burden and portal hypertension. University of Pittsburgh School of Medicine, Imaging Biomarker Lab.

**CT perfusion of lung cancer** – assessment of measurement variability; clinical applicability of single- and dual-input perfusion; effect of non-rigid image registration on measurement reproducibility. University of Pittsburgh School of Medicine, Division of Thoracic Imaging.

**CT Cholangiography** – Assessment of patient biometrics that affect CT cholangiography parenchymal and biliary enhancement. University of Pittsburgh School of Medicine, Imaging Biomarker Lab.

**Adrenal Adenoma** – Identification of new CT parameters to definitively diagnose adrenal adenoma, with focus on enhancement characteristics. University of Pittsburgh School of Medicine, Imaging Biomarker Lab.

**Pulmonary Embolism** – Quantitative analysis of pulmonary embolism clot burden using an in-house segmentation algorithm, correlation with patient outcomes. University of Pittsburgh School of Medicine, Imaging Biomarker Lab.

**Acute Traumatic Aortic Injury** – Assessment of diagnostic performance of multi-slice CT in diagnosis of acute aortic rupture at a large trauma-center setting; image analysis and statistical modeling to predict aortic injury. University of Texas Health Science Center at Houston Medical School, Department of Diagnostic and Interventional Imaging.

**High-Frequency Ultrasound Fingerprint Identification** – Test target design, construction, and assessment; software design and implementation for modulation transform function calculation for analysis of system performance. Rochester Institute of Technology, Chester F. Carlson Center for Imaging Science, Biomedical Imaging Lab.

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## SERVICE

**Radiology Dictation Template Review Committee**  
Committee member

2015 to present

<b>Abdominal Radiology Parkland Interventional Services</b> Co-Chief	2015 to present
<b><i>PLOS ONE</i></b> Reviewer	2014 to present
<b><i>BioMed Research International</i></b> Reviewer	2014 to present
<b><i>Abdominal Imaging</i></b> , Journal of the Society of Abdominal Imaging Reviewer	2013 to present
<b><i>IMAGINE THAT, A Patient-Centered Radiology Newsletter</i></b> , University of Pittsburgh School of Medicine Editor-in-Chief	2010 to 2012
<b>Graduate Medical Education Committee</b> , University of Pittsburgh School of Medicine Resident Representative	2010 to 2011
<b>Recruitment and Interview Committee</b> , University of Pittsburgh School of Medicine Resident Ambassador	2009 to 2011
<b>Future Radiologists of America Student Organization</b> , UT Houston Medical School Member	2004 to 2008
President	2007 to 2008
<b>Office of Admissions</b> , UT Houston Medical School Student Ambassador	2004 to 2008
<b>American Medical Student Association</b> , UT Houston Medical School Humanism in Medicine Chair	2005 to 2006
<b>Commencement Ceremonies Delegation</b> , RIT College of Science Student Delegate	May 2004
<b>Dean Search Committee</b> , RIT College of Science Student Representative	2003
<b>College of Science Student Advisory Board</b> , RIT Member	1999 to 2004
President	2002 to 2003

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