

CURRICULUM VITAE

PATRICK DAVID BROWNING, MD, MA, MSL

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EDUCATION

University of the Pacific, McGeorge School of Law - *Master of Science in Law*
Health Law and Contracts Emphasis (2016)

Stanford University School of Medicine - *Body Imaging Fellowship*
Department of Radiology, Stanford University Hospital (1995)

University of California Davis Medical Center, Sacramento - *Radiology Residency*
Department of Diagnostic Radiology (1994)

Kaiser Permanente Medical Center - Oakland, California – *Internship* (1990)

University of California, Davis, School of Medicine - *Doctor of Medicine* (1989)

University of California, San Francisco, History of Medicine - *Master of Arts*
Department of the History of Medicine, Parnassus Campus (1985)

University of California Davis, Medieval History, - *Bachelor of Arts*
College of Letters and Sciences, History Department (1982)

PROFESSIONAL

- 6/18 – 1/20 VP & Medical Director, Specialty Services, Magellan Health
- 8/16 – present Associate Professor, UOP McGeorge Physician Assistant Program
- 1/15 – present Chief Medical Advisor (Global), RadLogics, Inc
- 8/14 – present Founder, CEO, Contrast Resolution Consulting
- 4/14 – 3/20 Radiologist, Sutter Imaging, Sutter Medical Group
- 1/10 – 4/14 Chief, Division of Medical Imaging, Sutter Sacramento Sierra Region
- 12/02 – present Volunteer Faculty, U.C. Davis Medical Center, Radiology
- 2008 – 2010 Bayer National Speaker Bureau
- 4/02 – 3/10 Radiologist, Partner, Radiology Chief, RRMG, Santa Rosa, CA
- 12/06 – 12/08 Faculty, Bayer/Berlex Business IQ Seminars
- 6/00 – 3/02 Radiologist, Advanced Radiology PC, Jackson TN
- 12/95 – 6/00 Radiology Director, Sutter North Medical Found., Marysville CA

MEMBERSHIPS

- American College of Radiology, Radiological Society of North America, American Roentgen Ray Society, California Radiological Society, American & California Medical Associations, UOP McGeorge Alumni Board, UOP Master PA program Steering Committee, Davis Art Center board

INTERESTS

- Business, cultural, and economic dynamics of radiology, Medical history, machine learning, automated detection development, sports (soccer, SCUBA, golf, tennis, snowboarding), foreign languages (German, French)

ACADEMIC HONORS

Professional

1996-present Manuscript reviewer - American Journal of Radiology

Residency

1995 Diplomate - American Board of Radiology

Medical

1988 U.C.D.M.C. Special Care Recognition Award Recipient

Graduate

2016 Phi Kappa Phi Honor Society

1982-85 U.C. Regents Health Sciences Grant Recipient

1985-86 Marin Educational Foundation Scholarship Recipient

Undergraduate

1982 Commencement Speaker - University of California, Davis, College of Letters and Sciences

1981 Outstanding Senior Award, University of California, Davis

1980 Founding President, Omega Omega Chapter of Phi Alpha Theta, National History Honor Society, University of California, Davis

LIST OF PUBLICATIONS

1. Brown, Matthew, Patrick Browning MD MS MSL, et al. Integration of Chest CT CAD into the Clinical Workflow and Impact on Radiologist Efficiency, Academic Radiology, Volume 26, Issue 5, 626 – 631, May 2019
2. Browning PD, CT and MR Angiography - A Primer. Sonoma Medicine, 54(1):21-24, 2003
3. Browning PD. Carpal Tunnel Syndrome. Emedicine Online Textbook, Radiology Section. 2002
4. Alagappan R, Browning PD, Laorr A, McGahan JP. The distal lateral ventricular atrium: Reevaluation of normal range. Radiology 193(2):405-408, 1994
5. Browning PD, Laorr A, McGahan JP, Krasny RS, Cronan M. Proximal fetal cerebral ventricle: Description of US technique and initial results. Radiology 192:337-341, 1994
6. McGahan JP, Wisner E, Griffey SM, Brock JM, Browning PD. Refinement of a technique for thermocholecystectomy in an animal model. Investigative Radiology 29(3):355-360, 1994
7. Queralt JA, Browning P, McGahan JP, Ablin DS. Infundibulopelvic stenosis: A sonographic diagnostic dilemma. Journal of Ultrasound in Medicine 12:767-769, 1994
8. Browning PD, McGahan JP, Gerscovich EO. Percutaneous cholecystostomy for suspected acute cholecystitis in the hospitalized patient. Journal of Vascular and Interventional Radiology 4:531-538, 1993
9. McGahan JP, Brock JM, Griffey SM, Browning PD. A new method for thermocholecystectomy: Initial experience and comparison with other techniques. Investigative Radiology 27:947-953, 1992
10. McGahan JP, Brock JM, Tesluk H, Gu W-Z, Schneider P, Browning PD. Hepatic ablation with use of radio-frequency electrocautery in the animal model. Journal of Vascular and Interventional Radiology 3:291-297, 1992
11. McGahan JP, Browning PD, Brock JM, Tesluk H. Hepatic ablation using radio frequency electrocautery. Investigative Radiology 25(3):267-70, 1990

LECTURES AND PAPER PRESENTATIONS

International Meetings, Universities and Hospitals:

1. Browning, PD – Multi-Slice CT: Advanced Clinical Applications. European Multi-Slice CT Conference. Manchester, England, October 8, 1999
2. Browning, PD – Multi-Slice CT: Basic Clinical Concepts. European Multi-Slice CT Conference. Manchester, England, October 8, 1999
3. Browning PD – Helical CT: Advanced Musculoskeletal Applications. Second International Elscint User's Conference. Nassau, Bahamas, April 24-27, 1998
4. Browning PD – Helical CT: Concepts and Basic Physics. Second International Elscint User's Conference. Nassau, Bahamas, April 24-27, 1998
5. Browning PD, McGahan JP, Gerscovich EO - Percutaneous cholecystostomy for suspected acute cholecystitis in the hospitalized patient. Eighteenth International Congress of Radiology, Singapore. January 23-28, 1994
6. Rosenquist CJ, White C, Browning P - Learning and communication of probability by radiologists. International Congress of Radiology, Paris, France. July, 1989

National Meetings, Universities and Hospitals:

1. "Redefining Liver Imaging" Bayer sponsored lecture on Eovist MRI contrast (Phoenix, Tucson, Tacoma, Indianapolis, St. Louis, Honolulu, Las Vegas) various 2009 dates
2. "Imaging the Renally Impaired Patient", Bayer sponsored talk on NSF, Hendrick Medical Center, Abilene TX, September 5, 2008
3. "Developing Medical Scorecards for Cash and Revenue Management" Bayer/Berlex Business IQ Course Series, 8 cities & dates throughout 2008
4. "Operational Superiority in Diagnostic Imaging: Measurement and Metrics" Bayer/Berlex Business IQ Course Series, 14 cities & dates throughout 2007 (co-developed with Zvi Lefkowitz, MD),
5. Laorr A, Browning PD, Cronan MS, McGahan JP, Krasny RS - Sonographic evaluation of the proximal fetal cerebral ventricle. Paper presentation at the 94th Annual Meeting of the American Roentgen Ray Society, New Orleans, Louisiana. April 24-29, 1994
6. Alagappan R, Browning PD, Laorr A, McGahan JP - The distal lateral ventricular atrium: Reevaluation of normal range. Paper presentation at the 94th Annual Meeting of the American Roentgen Ray Society, New Orleans, Louisiana. April 24-29, 1994
7. Browning PD, Alagappan R, Laorr A, McGahan JP - Fetal ventricular atrium: Reassessment of the upper limits of normal. Paper presentation at the 79th Annual Meeting of the Radiological Society of North America, Chicago, Illinois. December 1-6, 1993
8. Browning PD, Davis R, McGahan JP, Howell L, Krasny R - Aspiration versus nonaspiration fine-needle biopsies: Comparison of sample quality and ease of use. Paper presentation at the 79th Annual Meeting of the Radiological Society of North America, Chicago, Illinois. December 1-6, 1993
9. Browning PD, Cartwright D, McGahan JP, Howell L, Davis R - Comparison of fine-needle aspiration vs. non-aspiration cytology. Paper presentation at the 41st Annual Meeting of the Association of University Radiologists, Cincinnati, Ohio. May 19-23, 1993
10. Krasny RS, Coates TL, McGahan JP, Laorr A, Browning PD - Adequacy of visualization of fetal facial structures on obstetrical ultrasound. Paper presentation at the 41st Annual Meeting of the Association of University Radiologists, Cincinnati, Ohio. May 19-23, 1993
11. Laorr A, Browning PD, Cronan MS, McGahan JP, Krasny RS, Coates TL - New technique for ultrasound visualization of the proximal fetal cerebral ventricle. Paper presentation at the 41st Annual Meeting of the Association of University Radiologists, Cincinnati, Ohio. May 19-23, 1993

LECTURES AND PAPER PRESENTATIONS (continued)

National Meetings, Universities and Hospitals: (continued)

12. Browning PD, McGahan JP, Brock JM, Griffey SM, Gu WZ. - Thermal ablation of the gallbladder. Paper presentation at the 93rd Annual Meeting of the American Roentgen Ray Society, San Francisco, California. April 25-30, 1993
13. McGahan JP, Brock JM, Griffey SM, Gu WZ, Browning PD - Thermal ablation of the gallbladder. Paper presentation at the 78th Annual Scientific Meeting of the Radiological Society of North America Meeting, Chicago, Illinois. November 29 - December 4, 1992
14. Laorr A, Browning PD, Cronan MS, McGahan JP, Krasny RS, Coates TL - New technique for US visualization of the proximal cerebral ventricle with normal measurements. Paper presentation at the 78th Annual Scientific Meeting of the Radiological Society of North America Meeting, Chicago, Illinois. November 29 - December 4, 1992
15. Browning PD, McGahan JP, Brock JM, Tesluk H, Gu WZ, Schneider PD. Hepatic ablation with radio-frequency electrocautery: Use in an animal model and initial results in humans. Paper presentation at the 17th Annual Scientific Meeting of the Society of Cardiovascular and Interventional Radiology Meeting, Washington, District of Columbia. April 4-9, 1992
16. Browning PD, McGahan JP, Brock JM, Griffey SM, Gu WZ - Thermal ablation of the gallbladder. Paper presentation at the 17th Annual Scientific Meeting of the Society of Cardiovascular and Interventional Radiology Meeting, Washington, District of Columbia. April 4-9, 1992
17. Browning PD, McGahan JP, Gerscovich EO - Emergency percutaneous cholecystostomy for acute cholecystitis. Paper presentation at the 17th Annual Scientific Meeting of the Society of Cardiovascular and Interventional Radiology Meeting, Washington, District of Columbia. April 4-9, 1992
18. Browning PD, McGahan JP, Brock JM, Tesluk H., Gu W-Z and Schneider PD - Hepatic ablation using RF electrocautery in the animal model with initial human use. Paper presentation at the 36th Annual Convention of the American Institute of Ultrasound in Medicine, San Diego, California. March 8-11, 1992
19. Browning PD, McGahan JP, and Gerscovich EO - Emergency percutaneous cholecystostomy for acute cholecystitis. Paper presentation at the 36th Annual Convention of the American Institute of Ultrasound in Medicine, San Diego, California. March 8-11, 1992
20. Browning PD, McGahan JP, Brock JM, Tesluk H, Gu W-Z, Schneider PD - Hepatic ablation using RF electrocautery in the animal model with initial human use. Paper presentation at the 36th Annual Convention of the American Institute of Ultrasound in Medicine, San Diego, California. March 8-11, 1992
21. Browning PD, McGahan JP, Gerscovich EO - Emergency percutaneous cholecystostomy for acute cholecystitis. Paper presentation at the 36th Annual Convention of the American Institute of Ultrasound in Medicine, San Diego, California. March 8-11, 1992
22. Browning PD, McGahan JP, Gerscovich EO - Emergency percutaneous cholecystostomy for acute cholecystitis. Paper presentation at the 77th Annual Meeting of the Radiological Society of North America, Chicago, Illinois. December 1-6, 1991
23. Browning PD, McGahan JP, Brock JM, Tesluk H - Percutaneous hepatic tissue ablation using ultrasound monitored RF electrocautery. Paper presentation at the 37th Annual Meeting of the Association of University Radiologists, Westin Hotel, Seattle, Washington. May 19-25, 1989

RECENT & UPCOMING LECTURES AND PAPER PRESENTATIONS

1. "Care Transitions" Panel Participant, State of Reform Conference, Seattle WA, January 9, 2020
2. "Cloud-based Analytics to Enhance the Wisdom of Radiologists" American College of Radiology 2016 Intersociety Summer Conference, Olympic Valley, CA August 5, 2016
3. "Effectively Combining Radiology and General Healthcare Enterprises: Observations and Experience" ACPE Annual Meeting, Las Vegas NV, April 19, 2015
4. "Analytics and Radiologists: How to Mix Oil and Water" 1st annual Montage User Conference, Philadelphia PA, October 10, 2014
5. "Eovist Imaging Insights", Sutter Health Systems Conference, Sacramento, CA, June 16, 2010
6. "Redefining Liver Imaging" Sonoma County, Radiologists and MRI Technologists, late 2009, Site & Date TBD
7. "CT Scanning: Overview & Applications" Sutter Community Hospital, Santa Rosa CA, November 18, 2009
8. "CT Scanning: Overview & Applications" Petaluma Valley Hospital, Santa Rosa CA, October 26, 2009
9. "Trends and Upcoming Changes in Radiology" Berlex Business IQ Conference, San Francisco, CA June 1, 2006; Seattle, WA October 12, 2006
10. "Non-Invasive Coronary and Peripheral Angiography" Berlex Educational Grant Talk, Santa Rosa, CA February 2, 2006
11. "MR Angiography" Santa Rosa Memorial Hospital Grand Rounds, Santa Rosa, CA September 19, 2003
12. "Innervision Full Body Scans – Conception, Implementation, and Early Results" Rohnert Park Chamber of Commerce, Rohnert Park, CA February 5, 2003
13. "Body MRI – An Overview for the Technologist" Tennessee State Radiology Technologist Meeting, Memphis, TN October 19, 2001
14. "Vascular MRI – An Overview for the Technologist" Tennessee State Radiology Technologist Meeting, Memphis, TN October 19, 2001
15. "Advanced Body MRI for the Technologist" Tennessee State MRI Technologist Meeting, Nashville, TN February 10, 2001
16. "The Present and Future of Advanced Multi-Slice CT Applications" Picker Int'l. National Meeting, Temecula, CA May 11, 1999
17. "Helical CT: Concepts and Advanced Applications" Dameron Hospital Grand Rounds, Stockton, CA April 30, 1999
18. "Miraluma: How This New Modality Fits Into Modern Breast Imaging" St. Dominic's Hospital Grand Rounds, Manteca, CA February 24, 1999
19. "CT vs. MRI: A Guide for the Primary Care Physician" Sutter North Medical Foundation CME Series, Marysville, CA February 4, 1999
20. "Diagnostic Breast Imaging and Interventional Procedures" Mammography for Today's Technologist Conference, San Ramon, CA November 7, 1998
21. "Helical CT: Basic Concepts and Applications" Sutter Lakeside Hospital Grand Rounds, Lakeside, CA June 22, 1998
22. "CT Urography: Concept and Methods" Fremont-Rideout Hospital Grand Rounds, Marysville, CA May 5, 1998
23. "Advanced Imaging: Technical, Professional, and Business Considerations" Yuba College, Yuba City, CA April 24, 1998
24. "Osteoporosis: The Silent Epidemic" Sutter North Medical Foundation Community Speaker Series, Yuba City, CA April 23, 1998
25. "New Advances in Radiology". Sutter County Rotary, Yuba City, CA January 9, 1998
26. "The Early Years of Radiology Safety" South Bay Radiological Society, San Jose, CA June 6, 1995

27. "Radiology and Radiological Safety Devices - the Early Years" Radiology Grand Rounds, University of California Davis Medical Center, Sacramento, CA January 11, 1993

Revised 4/2019