

CURRICULUM VITAE

PHILIP R. SHALEN, M.D.

Identifying Data:

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Education:

Undergraduate	1960 – 1964	Alfred University, Alfred, New York (Biology) B.A.
Medical School	1964 – 1966	Meharry Medical College, Nashville, Tennessee
	1966 – 1968	New York Medical College, New York, New York, (M.D.)
Internship	1968 – 1969	Mixed Surgical Internship, New York Medical College Affiliated Hospitals, New York, New York
Residency	1969 – 1973	Diagnostic Radiology, University of Minnesota Affiliated Hospitals, Minneapolis, Minnesota Armed Forces Institute of Pathology, Washington, DC Bone Pathology (Clinical Rotation)
Fellowship	1976 – 1978	Neuroradiology, Mallinckrodt Institute of Radiology, Barnes Hospital, Washington University Medical School, St. Louis, Missouri

Certification:

1969 Diplomate of The National Board of Medical Examiners

1973 American Board of Radiology

1979 Senior Member, American Society of Neuroradiology

Licensors:

Arizona, Colorado, New York, and Texas.

Professional Appointments:

2006-Present	Attending Neuoradiologist, Plano Radiology Center, Plano, Texas (Locum)
2004-Present	Attending Neuroradiologist, River Oaks Imaging and Diagnostic Centers, Houston, Texas (Locum).
2004	Attending Neuroradiologist, University Hospital, Westchester Medical Center, New York Medical College, Valhalla, New York. (Locum).
2002 – 2004	Neuroradiologist and Diagnostic Radiologist, Quantum Diagnostic Imaging Centers, Richardson and Dallas, Texas. (Locum).
2002	Neuroradiologist and Diagnostic Radiologist, ClearSky Diagnostic Imaging Centers, Dallas and Denton, Texas (Locum)
1999 – 2001	Neuroradiologist and Diagnostic Radiologist, Quantum Diagnostic Imaging, Plano, Texas (Locum).
1994 – 1998	Neuroradiologist and Diagnostic Radiologist, Phymed Diagnostic Imaging Center, Dallas, Texas
1991 – 1993	Neuroradiologist and Diagnostic Radiologist, Garland Community Hospital, Garland, Texas
1981 – 1993	Neuroradiologist and Diagnostic Radiologist, Medical City Dallas Hospital, Dallas, Texas
1985 – 1993	Director of Neuro-MRI MRI Associates of Texas, Dallas, Texas
1981 – 1993	Neuroradiologist and Diagnostic Radiologist, Radiology Consultants of North Dallas, Dallas, Texas
1980 – 1981	Assistant Radiologist and Assistant Professor of Radiology, The University of Texas System Cancer Center, M.D. Anderson Hospital And Tumor Institute
1979 – 1981	Assistant Professor of Radiology and Neuroradiology, The University of Texas Medical School at Houston
1979	Clinical Associate Professor of Radiology University of Missouri Medical Center, Columbia, Missouri
1978 – 1979	Neuroradiologist and Diagnostic Radiologist Boone County Hospital, Columbia, Missouri

Professional Activities and Societies:

Dallas County Medical Society 1983
The Radiological Society of North America 1981
American College of Radiology 1981
Texas Medical Association 1980
Harris County Medical Society 1980
American Society of Neuroradiology 1979
Boone County Medical Society 1978 – 1979
The International Spinal Injection Society 1995

Experience:

2004-Present	Attending Neuroradiologist, River Oaks Imaging and Diagnostic Centers, Houston, Texas (Locum Tenens).
3/15 – 4/30/04	Attending Neuroradiologist, University Hospital, Westchester Medical Center, New York Medical College, Valhalla, New York. (Locum Tenens).
2002 – 2004	Neuroradiologist and Diagnostic Radiologist, Quantum Diagnostic Imaging Centers, Richardson and Dallas, Texas.
2002	Neuroradiologist and Diagnostic Radiologist, ClearSky Diagnostic Imaging Centers, Dallas and Denton, Texas
1999 – 2001	Neuroradiologist and Diagnostic Radiologist, Quantum Diagnostic Imaging, Plano, Texas
1994 – 1998	Neuroradiologist and Diagnostic Radiologist, Phymed Diagnostic Imaging Center, Dallas, Texas
1991 – 1993	Neuroradiologist and Diagnostic Radiologist, Garland Community Hospital, Garland, Texas
1981 – 1993	Neuroradiologist and Diagnostic Radiologist, Medical City Dallas Hospital, Dallas, Texas
1985 – 1993	Director of Neuro-MRI, MRI Associates of Texas, Dallas, Texas
1981 – 1993	Neuroradiologist and Diagnostic Radiologist, Radiology Consultants of North Dallas, Dallas, Texas
1980 – 1981	Assistant Radiologist and Assistant Professor of Radiology, The Texas at M.D. Anderson Hospital and Tumor Institute, Houston, Texas
1979 – 1981	Assistant Professor of Radiology, The University of Texas Medical School at Houston, Houston, Texas
1979	Clinical Associate Professor of Radiology, University of Missouri Medical Center, Columbia, Missouri

1978 – 1979 Neuroradiologist, Boone County Hospital, Columbia, Missouri

1976 – 1978 Instructor, Neuroradiology Mallinckrodt Institute of Radiology,
Washington University School of Medicine, Barnes Hospital, St. Louis,
Missouri.

1973 – 1976 Diagnostic Radiology and Neuroradiology, US Army Second General
Hospital, Landstuhl, Germany

Publications:

“Atrial Myxoma with Intellectual Decline and Cerebral Growths on CT Scan.” Robert A. Frank, M.D., Philip R. Shalen, M.D., Danny G. Harvey, M.D., Leonard Berg, M.D., Thomas B. Ferguson, M.D., and Henry G. Schwartz, M.D.; *Annals of Neurology* 5:498–500, 1979.

“Indications for Immediate Angiographic Evaluation of Head Trauma in the CT Era.” Philip R. Shalen, M.D., Stanley F. Handel, M.D.; Submitted for publication.

“Cranial Computed Tomography of Malignant Melanoma.” Sergio Ginaldi, M.D., Sidney Wallace, M.D., Philip R. Shalen, M.D., Mario Luna, M.D., Stanley F. Handel, M.D.; *AJNR* 1:531–535, November/December 1980.

“Diagnostic Challenges in Closed Head Trauma.” Philip R. Shalen, M.D., Stanley F. Handel, M.D.; *The Radiologic Clinics of North America* 19:53–68, March 1981.

“Protocol for Delayed Contrast Enhancement in Cranial Computed Tomographic Evaluation of Cerebral Neoplasia.” Philip R. Shalen, M.D., L. Anne Hayman, M.D., Sidney Wallace, M.D., Stanley F. Handel, M.D.; *Radiology* 139: 397-402, May 1981.

“White Matter Enhancement After Central Nervous System Prophylaxis for Leukemia: Radiation Effect and Methotrexate Leukoencephalopathy.” Philip R. Shalen, M.D., Peter T. Ostrow, M.D., Ph.D., and Peter J. Glass, M.D.; *Radiology* 140:409-412, August 1981.

“Trauma to the Skull and Brain.” Philip R. Shalen, M.D., Stanley F. Handel, M.D.; *Haaga-Alfidi: Computed Tomography of the Whole Body*, The C.V. Mosby Company, 1983.

“Radiological Techniques for Diagnosis of Lumbar Disc Disease.” Philip R. Shalen, M.D.; *Spine: State of the Art Reviews*, Hanley & Belfus, Inc., 1989.

“Radiological Evaluation of Thoracolumbar Sports-Related Injuries.” Philip R. Shalen, M.D.; *The Spine in Sports*, Hanley & Belfus, Inc., 1990.

Presentations:

Midline Lesions: The Need for Angiography: Philip R. Shalen, M.H. Gado, C.J. Moran, W.G. Holloman. C.A.T. Symposium, Miami Beach, Florida 1978.

Leptomenigeal Findings in C.A.T. of Subarachnoid Hemorrhage: C.J. Moran, T.P. Naidich, M.H. Holloman, Philip R. Shalen. C.A.T. Symposium, Miami Beach, Florida 1978.

Current Status of Radiologic Techniques in the Diagnosis of Visual Problems: Philip R. Shalen, M.D. – Presented at the course entitled: General Medical Update for Ophthalmologists, Houston, Texas, September 1979.

Intracranial Meningiomas – CT-Pathological Correlation: Philip R. Shalen, M.D., Peter Ostrow, M.D., Ph.D. – Presented at the course entitled “Computed Tomography and Ultrasound – Current Applications.” Houston, Texas October 1979.

Choice of Contrast Agents for Myelography: Philip R. Shalen, M.D., Chairman, Robert N. Bryan, M.D., Vincent Hinck, M.D., Robert Zimmerman, M.D., Houston Radiological Society, Houston, Texas, January 1980.

Radiographic Vascular Anatomy of the Orbit: Philip R. Shalen, M.D., The University of Texas Basic Science Course in Ophthalmology, January 1980.

The Role of Angiography in Head Trauma in the CT Era: Philip R. Shalen, M.D., Presented at the course entitled “Radiology of the Acutely Ill and Injured Patient – Update, 1980.” Houston, Texas, February 1980.

Digital Radiography as a Clinical Modality in Neuroradiology – A Comparison with Plain Skull and Spine Radiography: Philip R. Shalen, M.D., The American Society of Neuroradiology (ASNR), Los Angeles, California, March 1980.

Indications for Immediate Angiographic Evaluation of Acute Head Trauma in the CT Era. Philip R. Shalen, M.D., International Symposium and Course on Computed Tomography, Las Vegas, Nevada, April 1980.

Epidural Venography: Philip R. Shalen, M.D. Baylor Annual Radiology Conference – 1980. Houston, Texas, May 1980.

CT Diagnosis of Cranial Neoplasia and Methotrexate Encephalopathy: Philip R. Shalen, M.D. Presented at the Methodist Hospital Neurosurgery and Neurology Conference, Houston, Texas, June 1980.

Improved Detection and Follow-up of Intracranial Neoplasms Using High-Dose Intravenous Contrast: Philip R. Shalen, M.D., Presented at the course entitled: “Computed Tomography and Ultrasound: Current Applications – 1980.” Houston, Texas, October 1980.

Protocol for Delayed Contrast Enhancement in Cranial Computed Tomographic Evaluation of Cerebral Neoplasia: Philip R. Shalen, M.D., The Radiological Society of North America (RSNA), Dallas, Texas, November 1980.

Does CT Correlate with Intracranial Pressure in Acute Closed Head Injury Patients: Floyd L. Haar, M.D., Philip R. Shalen, M.D., Joshua P. Golden, B.A., Philip L. Gildenberg, M.D., Ph.D., Vijay K. Sadju, M.D., Jerry M. Simpson, B.A., Presented at the Congress of Neurological Surgeons, Houston, Texas, October 1980.

Effects of Maximum Dose Contrast Media on Hemostasis: L. Anne Hayman, M.D., John D. Olson, M.D., Carol Emery, MT ADCP, Philip R. Shalen, M.D., The Radiological Society of North America (RSNA), Dallas, Texas, November 1980.

CT of Head Injury: Philip R. Shalen, M.D., Accepted for presentation of the program entitled “Radiology of the Acutely Ill and Injured Patients – Update 1981.” Houston, Texas, March 1981.

CT of Facial Trauma: Edward N. Rauschkolb, M.D., Ya-Yen Lee, M.D., Philip R. Shalen, M.D., Stanley F. Handel, M.D., John H. Harris, Jr., M.D., L. Anne Hayman, M.D., Accepted for presentation on the Scientific Program of the 81st Annual Meeting of the American Roentgen Ray Society, San Francisco, California, March 1981.

Spinal CT and Lumbar Disc Disease: Devaluation of Conventional Myelography: Philip R. Shalen, M.D., Larry A. Grissom, M.D., Stanley F. Handel, M.D. Accepted for presentation on the Scientific Program of the 81st Annual Meeting of the American Roentgen Ray Society, San Francisco, California, March 1981.

Vascular Anatomy of the Orbit: Philip R. Shalen, M.D. Presented at the University of Texas Basic Science Course in Ophthalmology, Houston, Texas, January 1981.

The CT Scan and Other Diagnostics (i.e. Myelography) in the Workup of Low Back Pain Syndrome: Philip R. Shalen, M.D. Presented for the International Rehabilitation Institute, Dallas, Texas, July 28, 1983.

Cost Effective Use of Magnetic Resonance Imaging: Philip R. Shalen, M.D. Presented at Blue Cross and Blue Shield of Texas, Inc., Dallas, Texas, June 11, 1987.

Devaluation of the Gold Standard for the Neurodiagnostic Evaluation for the Low Back Pain Syndrome: Philip R. Shalen, M.D. Presented for the Richard Lende Winter Neurosurgery Conference, Snowbird, Utah, February 5, 1988.

Radiologic Evaluation of the Failed Back Surgery Syndrome Patient: Philip R. Shalen, M.D. Texas Back Institute Research Foundation; Presented at Spinal Cord Stimulation Workshop, Plano, Texas, June 22, 1991, October 3, 1992, and January 18, 1993.

Arthroscopic Microdiscectomy: Radiological Evaluation: Philip R. Shalen, M.D. Texas Back Institute Research Foundation; Plano, Texas, July 12, 1991.

Radiological Update on MRI: Philip R. Shalen, M.D. and Blaise Jones, M.D. Texas Back Institute Research Foundation Weekly Neuroscience Meeting; Plano, Texas, September 6, 1991.

Magnetic Resonance Angiography (MRA) In Clinical Practice: Philip R. Shalen, M.D. Neuroscience Conference; Humana Hospital City Dallas, Dallas, Texas, January 24, 1992.

Advances in Musculoskeletal Imaging and Neuroradiology; Philip R. Shalen, M.D.; Workshop and Symposium of the American Chiropractic College of Radiology, October 1992.

Routine and Advanced Spinal Imaging: Philip R. Shalen, M.D. Texas Back Institute Research Foundation: Presented at Update on Non-Surgical Spine Care, Plano, Texas, January 24, 1993.

Research Projects:

Biomedical Research Support Grant entitled: "Early Detection of Cerebral Contusion by Cranial Computed Tomography – Evaluation of Delayed Enhanced Scanning in the Canine Model." Philip R. Shalen, M.D., Principal Investigator. September 1, 1980 – August 31, 1981.

"CT Scan Evaluation of Velo-pharyngeal Function." Philip R. Shalen, M.D., Co-investigator on this projection with William B. Riley, Jr., M.D.