

August 2018

Resume

Richard William Rieck, M.D., Ph.D.

Education:

1997-1998 Fellow, Neuroradiology, Vanderbilt Univ. Nashville, TN
1993-1997 Residency, Diagnostic Radiology, Vanderbilt Univ. Nashville, TN
1989-1993 Louisiana State Univ. Med. Sch., New Orleans, Louisiana (**M.D., 1993**)
1980-1982 NEI/NIH Postdoctoral Fellow, Barrow Neurological Institute, Phoenix, AZ
1976-1980 Univ. Cincinnati, Cincinnati, OH. (**Ph.D., 1980-Anatomy**)
1972-1976 Bates College, Lewiston, ME, (**B.S., 1976-Biology**)

Professional Positions:

2015-present Neuroradiologist, Teleradiologist, Envision Healthcare, Phoenix, AZ
2015-2017 Neuroradiologist, Imaging Advantage, King Faisal Specialist Hospital, Riyadh, SA
2010-2015 Staff Radiologist, Radiology Alliance, Nashville, TN
2006-2010 Staff Radiologist, Diagnostic Imaging, Inc, Nashville, TN
2005-2006 President, Southern Radiology Associates SRA, Maury Regional Hospital, Columbia, TN
2003-2005 Chief Radiologist, SRA, Maury Regional Hospital Columbia, Tennessee
1998-2006 Staff Radiologist, Maury Regional Hospital, Columbia, Tennessee
1998-2003 Adjunct Assistant Professor, Dept. Radiology, Vanderbilt Med. Ctr.
1990-1993 Senior Research Fellow, Dept. Anatomy, LSU Med. Ctr., New Orleans, Louisiana
1986-1990 Member Graduate Faculty, Tulane University, New Orleans, LA.
1982-1990 Assistant Professor, Dept. of Anatomy, Tulane University Medical Center, New Orleans, LA.

Certification and Licensure:

National Board Examination: Part III-NBME - 4/93
Tennessee State Medical Licensure - 6/95
Ohio State Medical License 2/08
California State Medical License 1/18
Board Certified; Diagnostic Radiology: 6/97

Honors:

Phi Beta Kappa, Bates College, 1976
Albert J. Ryan Fellow, University of Cincinnati, 1976-1980
Alpha Omega Alpha, Louisiana State Medical School, 1992
RSNA Resident Research Award, 1997

Societies: (active and inactive membership)

American College of Physician Executive
American Association for Advancement of Science
Society for Neuroscience
British Brain Research Association
European Brain and Behavior Society
New York Academy of Sciences
American Association of Anatomy
American Heart Association
American Medical Association
American College of Radiology
American Society of Neuroradiology
Radiological Society of North America

Experience as Educator:

- Teaching responsibilities have included presenting lectures, providing laboratory instruction, preparing and administering examinations in Medical Gross Anatomy, Histology, Human Embryology and Neuroscience courses.
- Specialty post-graduate courses have also been prepared in Developmental Biology, Neuropharmacology, Neuro-ophthalmology and Neurology.
- Graduate courses in the Neurosciences and acting as research advisor for graduate and medical students in my research laboratory.
- Recipient of numerous yearly teaching awards as medical school faculty member.
- As a radiologist and anatomist, I have served as an expert witness in many malpractice cases in TN, including serving as consultant for counsel as well as serving as a witness in deposition and trial settings.

Administrative Activities:**Tulane University:**

- As a faculty member at Tulane University I had numerous University and Departmental Committee responsibilities, including Student Grievance Committee, Strategic Planning and Goals Committee, Dept. Anatomy, Curriculum Committee for Neuroscience Program, and Departmental Search Committee.
- Secretary of the Greater New Orleans Chapter of the Society for Neuroscience.
- As a Tulane faculty member, I served as a grant reviewer for the American Heart Association and was an Ad Hoc Reviewer for the New England Journal of Medicine and the Journal of Neuroscience.

Vanderbilt University:

- As a resident I was responsible for coordinating Radiology Services at Bedford County Regional Hospital, Shelbyville, TN

Maury Regional Hospital:

- At MRH I had the position of Chief Radiologist, and during that time period was instrumental in reorganizing the radiology group. I also had a leadership role in the selection and implementation of a Hospital wide PACS System.
- Elected President of Southern Radiology Associates, and in that role was responsible for contract development and negotiation with the Hospital and Hospital system, was responsible for establishing a Joint Venture relationship with the Hospital that resulted in development of a JV Imaging Center, in the form of the Spring Hill Imaging Center. I contributed to the CON preparation for this free-standing imaging center. I was also instrumental in the formation of a Hospital System wide Radiology Division that included the primary Hospital and 4 ancillary centers.

General Radiology Practice:

- Throughout my career in general radiology practice I have functioned as the medical director of a variety of imaging facilities, including free standing imaging centers and hospital-based radiology departments. Currently I am the site chief of a radiology department at a level 1 trauma center. Part of the related responsibilities include operational and quality assurance issues
- Throughout my career I also have been intimately involved in group and hospital-based quality assurance committees.

Research:

- One of the first demonstrations of basal forebrain input to the visual cortex of mammalian brain. University of Cincinnati

- Developed concept of “paralaminar” thalamic input to visual cortex. Work performed in Neurobiology Division at BNI – Phoenix.
- First to demonstrate convergent thalamic pathways that bring sensory and motor information to visual cortex with implication of sensory and motor information altering visual perception, and channeling of information selectively to dorsal versus ventral visual cortical pathways. Work performed at Tulane University, and contributed to induction in the New York Academy of Science. Currently a basis of “prehensile cognition”
- With my colleagues at Vanderbilt, we were the first to demonstrate dopamine receptor distribution within specific centers within the Human thalamus, and particularly the intralaminar nuclear complex that acts to relay sensory and motor information to the visual cortex. We proposed that the thalamic dopamine system can directly alter visual perception.
- This research was funded in part by grants from NIH and the American Heart Association. and was the subject of approximately 40 reviewed publications including full length research articles, abstracts, reviews, and book chapters.

Private Ventures: selected

2005-2006 **Southern Imaging Associates**

Charter Member, Member of the Board

SIA is the Joint Venture entity for our Radiology Group that developed, and managed an Outpatient Imaging Center in Spring Hill, TN. I was responsible for contract negotiations, Management, and participated in the application for the Certificate of Need (CON) for the Imaging Center. Columbia, Tennessee

1999-present **RwR Consulting**

President

Consulting services for medical legal review in medical malpractice cases, educational services for medical education and allied health education. Currently in discussion with several academic programs for providing imaging correlations for basic science programs in primary medical education (MD), as well as post graduate education (CME). RwR Consulting also served for several years in the education program at RES (Radiology Education Systems- Nashville) providing tech education in structural biology in the state of Tennessee.

2013-present **SG&A Consulting Services**

Associate

Mission of providing support, development, and IT infrastructure for leading edge imaging technologies that are being developed for clinical applications and medical education applications.

Outside Interests:

- Aviation (over 40 years’ experience, owner-operator of several multiengine aircraft, and leasing to a regional charter company. Experience in piston, turboprop aircraft.)
- Art and photography

Selected References:

Weber, J.T., R.W. **Rieck** and H.J. Gould, III. Interhemispheric collaterals of single cortical neurons in the adult cat. *Brain Res.* (1983) 276:333-338.

Rieck, R. and R.G. Carey. Evidence for a laminar pattern of basal forebrain terminations in visual cortex in the rat. *Brain Res.* (1984) 297:374-380.

Rieck, R. and R.G. Carey. Rostral thalamic contributions to layer I of visual cortices in the rat. *J. Comp. Neurol.* (1985) 234:137-154.

Rieck, R.W., M.F. Huerta, J.K. Harting and J.T. Weber. Hypothalamic and ventral thalamic projections to the superior colliculus in the cat. *J. Comp. Neurol.* (1986) 243:249-265.

Gould, H.J., III, R.W. **Rieck** and J.T. Weber. Interhemispheric connections in the visual cortex of the squirrel monkey (*Saimiri sciureus*). *J. Comp. Neurol.* (1987) 256:14-28.

Chen, I., R.W. **Rieck**, J.T. Weber, and R.D. Yates. Synaptic connections of carotid chemo- and baroreceptor primary afferents in the nucleus of the tractus solitarius in the rat. *Exp. Brain Res.* (1987) 16:163-168.

Carey, R.G. and R.W. **Rieck**. Topographic projections to the visual cortex from the basal forebrain in the rat. *Brain Res.* (1987) 424:205-215.

Rieck, R.W., C. Nabors, B.V. Updyke, and K.E. Kratz. Localization of L-enkephalin, Substance-P and choline acetyltransferase immunoreactivity within the basal forebrain of the cat. *Brain Research.* (1995) 672: 237-250.

Arildsen, R.C., R.W. **Rieck**, W.S. Miles, S.G. Meranze, and M.I. Shaff. CT findings that predict traumatic hepatic arterial injury: Report of a case with pseudoaneurysm formation and left lobe necrosis. (*J. Emergency Medicine* (1997) 4:3 184-186.

Rieck, R.W., S. Anasari, W. Whetsell, and R.M. Kessler. Distribution of dopamine D2-like receptors in the human thalamus: Autoradiographic and PET studies. *Neuropsychopharmacology.* 2004 Feb;29(2):362-72

Complete Curriculum Vitae available on request.