

**Robert H. Wagner, MD, MSMIS**

**Curriculum Vitae**

**April, 2015**

**PROFESSIONAL ADDRESS:**

Loyola University Medical Center  
Department of Radiology  
Section of Nuclear Medicine  
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Maywood, IL 60153  
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Robert H. Wagner

**PRESENT POSITION:**

Professor of Radiology  
Director, Section of Nuclear Medicine  
Loyola University Medical Center

**EDUCATION:**

1978	BS (Chemistry) Ripon College Ripon WI
1984	MD Rush Medical College Chicago, IL
1984-87	Residency – General Surgery Rush Presbyterian-St. Lukes Medical Center Chicago, IL
1987-89	Residency - Nuclear Medicine Loyola University Medical Center Maywood, IL
1998-2000	MS - Management of Information Systems with MBA concentration Illinois Benedictine University Lisle, IL

**CERTIFICATIONS AND LICENSURE:**

Diplomate National Board of Medical Examiners, 1985  
Diplomate American Board of Nuclear Medicine, 1989  
Diplomate Certification Board of Nuclear Cardiology 2012

State of Illinois License #036-071977  
State of Illinois Controlled Substance #336-035739  
NPI Number #1154308039  
DEA #BW0458655

CITI Training (Research) - Completed 6/2012  
Microsoft Certified Solution Developer, 1997

## **FACULTY AND STAFF APPOINTMENTS:**

### **LOYOLA UNIVERSITY MEDICAL CENTER MAYWOOD, IL**

Instructor in Radiology	1989-1990
Assistant Professor of Radiology	1990-1999
Associate Professor of Radiology	2000-2006
Professor of Radiology	2006-Present
Vice Chairman of Radiology – Informatics	2000-2011
Director, Section of Nuclear Medicine	2006-Present
Interim Radiation Safety Officer	2014-2015

### **ILLINOIS MASONIC HOSPITAL CHICAGO IL**

Clinical Nuclear Medicine Lecturer for Radiology Residency Program	1992-2006
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### **MT. SINAI HOSPITAL CHICAGO IL**

Clinical Nuclear Medicine Lecturer for Radiology Residency Program	1992-1993
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### **HINES VETERANS HOSPITAL HINES, IL**

Consultant - Nuclear Medicine	1993-2010
Honorary Staff	2010-Present

### **MERCY CENTER HOSPITAL AURORA, IL**

Adjunct Staff - Ancillary Services	1994-1997
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### **CLINICAL ASSOCIATES DESPLAINES, IL**

Consulting Physician	1998 - 2011
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### **GOTTLIEB MEMORIAL HOSPITAL**

Radiology Staff	2012 - Present
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## HONORS AND AWARDS

Fellowship, American College of Nuclear Medicine (Formerly ACNP)	1996
Honored Member of Strathmore's Who's Who – 2001-2002 edition	2001
Best Doctors Member	2008-2012
Fellowship, American College of Radiology	2010
Teacher of the Year (Radiology Senior Residents)	2013
Aunt Minnie - Semifinalist - Most Effective Radiology Educator	2013
Chicago Top Doctor - Chicago Consumers' Checkbook	2015

## FACULTY ACTIVITIES:

### LOYOLA UNIVERSITY MEDICAL SCHOOL

Technology Transfer Committee	2013-Present
Monthly Lecture for Students Rotating in Radiology	1989-Present
Annual Organ Systems Lecture - Oncology	1990-1998
Clinical Clerkship Lecture – 3 <sup>rd</sup> year Medicine students	1992-2005
LUMC Physician Mentor Program	2001-2002
Annual Mini-Medical School Lecture – Radiology	2007-2010

### DEPARTMENT OF RADIOLOGY

Radiology Quality Committee	2013-Present
Residency Program Director – Nuclear Medicine	2004-2009
Resident Selection Committee	1990-2008
LAN Administrator/Computer Support	1997-2014
Co-project manager/advisor – IDXRad Installation and Implementation	2000-2002
Project Manager – Talk Technology Installation	2002
PACs committee – Selection, design, implementation	2000-2003
Committee on Replacement of Radiology Information Mgmt. System	1999-2000

## LOYOLA UNIVERSITY AND FOSTER G. MCGAW MEDICAL CENTER

Chairman, Radiation Safety Committee	2006-Present
IRB for Protection of Human Subjects Committee	2002-Present
Ethics Committee	2011-Present
Hospital Disaster Response Committee	1992-Present
Physician Advisory Committee	2013-Present
Loyola Incident Commander	
– Regional radiation accident drill	2005
HIPAA Privacy Physician Committee	2003-2005
Information System Steering and Compliance Committee	2002-2012
Medical Center Information Systems Technology Review Committee	1999-2005
Loyola Univ. Physician Foundation	
Business oversight committee	1998-1999
Operations Restructuring/Clinical Resource Management Committee	1994-1995

**SOCIETY MEMBERSHIPS, ACTIVITIES AND OFFICES HELD:**

Academy of Molecular Imaging	2006-Present
American College of Nuclear Physicians	1989-2009
-Member, Nominating Committee	2001-2002
-Member, Continuing Education	1996-2002
-Board of Regents	1997-2002
-Member, Ethics Committee	1993-1999
-Illinois Delegate, House of Delegates	1992-1996
-Member, Environmental Radiation Committee	1989-1996
-Member, Government Affairs Committee	1989-1995
-Co-chairman Government Affairs Committee	1994-1995
-Vice Chairman Government Affairs Committee	1993-1994
-Member, Practice Certification Program	1992-1994
-Member, Committee on Standardization of Nuclear Medicine Instrumentation	1989-1992
American College of Nuclear Medicine (Formerly ACNP)	2009-Present

American College of Nuclear Physicians/Society of Nuclear Medicine -Vice Chairman Government Relations Committee	1995-1996
American College of Radiology -Continuing Professional Improvement Test development	1993-Present 1997
-Task force on the NRC Medical Use Regulations	1996
American Medical Association	1989-2008
American Nuclear Society - Member, Biology and Medicine Division	1992-1996
American Society of Nuclear Cardiology	2006-Present
Chicago Medical Society - Moderator and Course Director - Nuclear Medicine. Midwest Clinical Conference.	1989-2008 1993
European Association of Nuclear Medicine	2006-2010
Healthcare Information and Management Systems Society	1999-2006
Illinois Radiological Society	1993-Present
Radiological Society of North America -Presiding Officer Scientific Session - CNS -Presiding Officer Scientific Session – NM Misc. II -Technical Exhibits Committee	1987-Present 1998-1999 1998-1999 2008-2013
Society of Nuclear Medicine -AUC for Hepatobiliary Scintigraphy Workgroup -Physician Consortium for Performance Improvement Radionuclide Bone Imaging	1989-Present 2015-Present 2008
-Member, Coding and Reimbursement Committee -Webmaster, Central Chapter	2007-Present 1998-2005
-Member, Committee on Continuing Education and Course Approval	1992-2002
-Chairman, Nominations Committee, Central Chapter	2000
-Member, Nominations Committee, Central Chapter	1999-2000
-Member, Commission on Health Care Policy and Practice-Committee on Coding and Reimbursement	1996-2000
-President, Central Chapter	1998-1999
-Secretary/Treasurer, Central Chapter	1996-1997
-Member, Program Committee, Central Chapter	1992-1996

-CME Coordinator, Central Chapter	1992-1996
-Member, Board of Governors, Central Chapter	1994-1996
-Member, Committee on Practice Guidelines	1993-1996
-Member, Committee on Radiobiological Effects of Ionizing Radiation	1992-1996
-Member, Health Care Reform Committee of Technologist Section	1994-1995
-Member, Government Affairs Committee	1993-1995
-Course Director, Fall Meeting, Central Chapter	1994

## **DIDACTIC LECTURES**

Radiology boards review - lectures specifically for radiology residents

- Radionuclide Skeletal Imaging
- Inflammatory and Tumor Imaging
- Gated Blood Pool Imaging
- Myocardial Scintigraphy
- Pulmonary Imaging
- Gastrointestinal System
- Renal and GU Scintigraphy
- Endocrine Scintigraphy
- Brain and CNS Scintigraphy
- Miscellaneous Studies
- Unknown Cases - Board Review
- Intense Review Series (5 one-hour lectures)

Radiology Noon Lecture Series

- Benign Bone
- Cardiac Blood Pool
- Antibody/Peptide - DVT Imaging
- Role of the Radiology Resident in Radiation Accidents
- Radiation Hormesis
- Molecular Imaging

Nuclear Medicine - Specific lectures for Nuclear Medicine Residents

- Skeletal Imaging - Benign Bone
- Non-embolic Pulmonary Disease
- Cerebral Death Imaging
- Prostate Cancer-Management and Imaging
- Evaluation of the Renal Transplant
- Esophageal Transit, Reflux and Gastric Emptying
- Peptides and Antibodies
- Renal curves and quantification

Radiation - Radiation accidents, preparedness and security

- Security and Control of Radioactive Materials in Hospitals

Hospital Management of the Radiation Accident Victim  
Radiation and Terrorism: Perceptions and Realities

Medical Students - Lectures specifically prepared for medical students  
Introduction to Radiation (monthly)

Other Services - Lectures given to other specialties and clinical services

Cardiology –

State of the Heart - Gated Blood Pool Imaging

State of the Heart – Radiation Hormesis

State of the Heart - Molecular Imaging

State of the Heart - Foundations of Nuclear Cardiology

Family Practice Satellites

Fundamentals of PET Imaging (2003)

Oral and Maxillofacial Surgery

Radionuclide Imaging of the Head and Neck (2004, 2011)

Neonatology

Concepts of Nuclear Medicine

GI Service

GI Nuclear Medicine

General Topics - Lectures on general topics in Healthcare

Women's Health Management and Imaging

Marketing Your Practice

Ethics and Research in Medicine

## **INVITED PRESENTATIONS**

1. James L. Quinn III, MD Memorial Lecture: Appropriateness Criteria. 2013 Central Chapter SNM Annual Meeting.
2. Osteoporosis and Bone Density – Loyola – Women’s Day - 2012
3. James L. Quinn III, MD Memorial Lecture: Radiation Hormesis – What Doesn’t Kill Us Makes us Stronger. 2011 Central Chapter SNM Annual Meeting.
4. D. Bruce Sodee, MD Lecture: Gated Blood Pool Imaging: Techniques, Pitfalls and Practical Applications. 2010 Central Chapter SNM Annual Meeting
5. Osteoporosis and Bone Density – Loyola – 2009 Employee Health Awareness
6. Marketing your Practice – Consultants in Nuclear Medicine – 2008



7. Radiation Fundamentals and Hospital Preparation for Radiation Accidents – Consultants in Nuclear Medicine – 2008
8. Women’s Health Management and Imaging. - The College of Imaging Administrators. 2008.
9. Security and Control of Radioactive Materials in Hospitals – Argonne National Laboratory. 2007
10. Molecular Imaging: The Future of Radiology. - The College of Imaging Administrators. 2007.
11. Radiation Fundamentals and Hospital Preparation for Radiation Accidents – Consultants in Nuclear Medicine - 2007
12. The Current Role of Imaging Agents for Infection – Central Chapter of the Society of Nuclear Medicine – Road Show – 2006.
13. Fundamentals of radiation and applications in Medicine (Ripon College – 2005)
14. Radiation and Radiation Accident Preparedness (Ripon College – 2005)
15. PET Scanning and Colorectal Cancer (Alexian Brothers - 2004)
16. Renal Scintigraphy - An Overview (Nat'l. Kidney Foundation
17. Annual Meeting 2002)
18. Concepts in the Medical Management of Trauma Patients Contaminated With or Exposed to Ionizing Radiation. Argonne National Laboratory, Argonne, IL. 1997.
19. The Role of the Technologist in the Management of Radiation Accidents. Northern Michigan Nuclear Medicine Association. Charlevoix, MI. 1997.
20. Is Prostatecint Right for You? Us Too – Prostate Cancer Support Group – Downers Grove Chapter, Downers Grove, IL 1997.
21. Prostate Cancer and Prostatecint, Us Too – Prostate Cancer Support Group – Palmieri Chapter – Hoffman Estates, IL. 1997.
22. GI Bleeding - A Review of Clinical Management and Scintigraphic Findings. Central Chapter of the Society of Nuclear Medicine. Bloomington, MN. 1996.

23. Artifacts in Gated Cardiac Imaging. Central Chapter of the Society of Nuclear Medicine. Chicago, IL. 1996.
24. Case Studies and the Emergency Medical Treatment for Contamination Injuries. Physician's Seminar on Radiological Health. University of Illinois College of Medicine at Urbana-Champaign. 1995.
25. Scintimammography. A.T.A.C.A., College of DuPage. 1995.
26. The Medical Management of Radiation Accidents. Fourth Great Lakes Conference on Radiological Health, Medical College of Ohio. 1995
27. First Annual Red Hawk Lecture Series, Ripon College, Ripon WI. 1994.  
Fundamentals of Radiation  
Radiation Biology and Nuclear Medicine
28. Medical Education, A Profession for Hope (with Muraskas J)
29. Moderator - Radiation Emergency Medical Planning in Practice. RMC Annual Conference. 1994.
30. Computer quality control. Pitfalls and Common Artifacts in the Nuclear Medicine Laboratory. ACNP Annual Meeting. 1993.
31. Moderator - Radiation Emergency Medical Planning in Practice. RMC Annual Conference. Orlando, FL 1992.
32. Errors in Functional Nuclear Cardiology. Annual Meeting of the Central Chapter of the Society of Nuclear Medicine. Mar. 15, 1992.

## **RADIATION ACCIDENT TRAINING AND DRILL EVALUATIONS**

Twenty-six training and evaluation sessions for hospitals located in the Midwest between 1993 and 1997.

Mercy Medical Center, Canton Ohio – 7/19/04

St. Elizabeth Health Center, Youngstown, Ohio – 7/20/04

Medical College of Ohio, Toledo Ohio – 7/21/04

Grady Memorial Hospital, Delaware, Ohio – 7/22/04

## GRANTS AND OUTSIDE FUNDING:

1. Management of the Exposed or Contaminated Patient. Funding to research and develop an educational exhibit.  
Sponsor: Radiation Management Consultants  
Position: Primary Author  
Status: Completed  
Funding: \$500.00
  
2. Phase III Clinical Trial Evaluating the Safety and Efficacy of Technetium 99m P280 in the Detection and Localization of Disorders and Conditions Characterized by Activated Platelet Involvement.  
  
Sponsor: Diatech, Inc.  
Positions: Primary Investigator and Clinical Coordinator  
Status: Completed  
Funding: \$10,000
  
3. Study of Intravenously Administered In-111 Capromab Pendetide in the Evaluation of Patients with Prostate Cancer - Partners in Excellence Program  
  
Sponsor: Cytogen Corporation  
Position: Primary Investigator  
Status: Completed  
Funding: \$3,400
  
4. A Multicenter Open-Label Study Evaluating the Safety of Technetium Tc99m P280 In Patients At Risk for Venous Thrombosis.  
  
Sponsor: Diatide, Inc.  
Position: Primary Investigator  
Status: Completed
  
5. Ice Cream Cholescintigraphy: A More Palatable Alternative for a Fatty Meal  
  
Sponsors: Oberweis Dairy and GE Medical  
Position: Primary Investigator  
Status: Completed 11/2012
  
6. Evaluation of Small Bowel Transit Time in Patients with Chronic Constipation or Diarrhea.  
Sponsor: Trinity Health  
Position: Primary Investigator  
Status: In progress  
Funding: \$114,860.00

## **PATENTED DEVICES:**

Development of Radiolabeled Medical Devices for Use in Interventional Nuclear Medicine.

Wagner, Robert and Karesh, Stephen  
US Patent #5,938,604  
Approved 1999.

Development of a Radiopharmaceutical Point Source Embedded in Paraffin  
Wagner, Robert  
Provisional Patent Submitted 2014

## **PRESENTED PAPERS AND ABSTRACTS:**

1. Wagner RH, Henkin RE, Dillehay GL, Mulvany KF, How Reliable is Reperfusion Imaging Without Reinjection of Thallium? *Radiology*, 169(P):313, 1988.
2. Halama JR, Wagner RH, Henkin RE, Three-dimensional Volume Perspective View of Gated Myocardial SPECT Images. *J. Nuc. Med.*, 31:5, p 871, 1990.
3. Halama JR, Wagner RH, Henkin RE, Cutaway Three-dimensional Volume Perspective Images of Internal Organ Activity Concentrations from SPECT Images. *J. Nuc. Med.*, 31:5, 808, 1990.
4. Wagner RH, Sobotka PA, Henkin RE, Halama JR, Dillehay GL, Abnormal Ventricular Filling in Heart Transplant Patients. *Radiology*, 177(P):99, 1990.
5. Halama JR, Henkin RE, Wagner RH, Electronic Bulletin Board System for Image and Information Exchange. *Radiology*, 177(p):122, 1990.
6. Wagner RH. Quality Control in Computers. 19th Annual ACNP Scientific Sessions; p9, 1993.
7. JR Halama, RH Wagner, RE Henkin Interactive World Wide Web Case-based Discussion Forum for Long Distance Continuing Medical Education., *Radiology*, 1996.
8. Wagner RH, Karesh SM, Dillehay GL, Henkin RE. Accuracy of Needle Localization of Scintigraphic Abnormalities using a Radio-Directed Biopsy System (RDBS). *J. Nuc. Med.*, 38:5, 22, 1997.

9. Wagner RH, Karesh SM, Dillehay GL, Henkin RE. Production of a Radio-Directed Biopsy System (RDBS) for Use in Interventional Nuclear Scintigraphy. *J. Nuc. Med.* 38:5, 143, 1997.
10. Li S, Wagner R, Holm K, Lehotsky J, Zinaman M. The Non-Weight-Bearing Effect of Body Fat Mass on Bone Mineral Density in Perimenopausal Women. *Ann Behav. Med.* 24:4, S126, 2002.
11. Bennet KG., Henkin R, Dillehay G and Wagner R. Optimal dose for diagnostic TBI imaging for differentiated thyroid carcinoma post thyroidectomy – Presented at Society of Nuclear Medicine 2006 Annual Meeting
12. Sajdak R, Halama J, and Wagner R  
Critical technical factors affecting the standardized uptake value (SUV) calculation for FDG PET  
*J. Nuc. Med.* May 2006; 47: 531P.
13. Sajdak R, Halama J, and Wagner R  
When is hot too hot?  
*J. Nuc. Med.* May 2007; 48: 458P.
14. Smith JW, Moreira J, Abood G, Aranha G, Nagda S, Wagner RH, Shoup M  
The Influence of FDG-PET on the management of gastroesophageal junction carcinoma. – Presented at the Midwest Surgical Association meeting 2008.
15. Olson MC, Brown A, Barron JT, Wagner R. Impact of 64 Slice Coronary Computed Tomography on the Utilization of Non-Invasive Cardiac Imaging Including SPECT Myocardial Perfusion Studies. *AJR* 2008;190:A46-A49
16. Transient Apical Ballooning Syndrome (ABS) after Pacemaker Implantation  
Marmor DB, Barron JT, Wagner RH, and Varma N; - Presented at Heart Rhythm Society Scientific Sessions, San Francisco, CA May 2008.
17. Lymphoscintigraphy: Comparison of Diagnostic Efficacy of Ultrafiltered Tc-99m Sulfur Colloid Prepared In House vs. Prepared by a Central Radiopharmacy. Francis T, Karesh S, Wagner RH. Central Chapter of the Society of Nuclear Medicine – Annual Meeting. March, 2010.
18. Savir-Baruch B; Gabriel MS, Wagner RH, Schultz J, Marwah A, Freinburg L, Bird K, Halama JR. Feasibility of Scanning Length Reduction in SPECT Myocardial Perfusion Images (MPI) Using Advanced Iterative Reconstruction Methods.
19. Saha K, Gabriel MS, Wagner RH, Potkul RK, Savir-Baruch B. Preoperative Lymphoscintigraphy in Vulvar Cancer and Comparison to Intra Operative Blue Dye and Gamma Probe: Our 13-Year Experience.

20. Rodriguez Santiago S, Wagner RH, Gabriel MS, Henkin RE, Savir-Baruch Bitai. Reversal of the Perfusion Gradient in Nuclear Medicine Pulmonary Perfusion Imaging - How well does it indicate pulmonary venous hypertension?

## **PUBLICATIONS:**

1. Wagner RH, Halama JR, Henkin RE, Dillehay GL, and Sobotka PA, Errors in the Determination of Left Ventricular Functional Parameters. *J. Nuc. Med.*, 30:11; 870-1874, 1989.
2. Wagner RH, Halama JR, A Multi-user Educational Database System For Nuclear Medicine. *App. Rad.*, 19:8; 33-35, 1990.
3. Wagner RH, Sources of Error in Gated Blood Pool Studies. *App. Rad.*, 20:4; 41-44, 1991.
4. Wagner RH, Sobotka, PA, The VEST: A Review of Clinical Applications and Technical Problems. *App. Rad.* 21:10; 32-38, 1992.
5. Gordon DL, Wagner R, Dillehay GL, Khedkar N, Martinez CJ, Bayer W, and Brooks MH, The Effect of Fine-Needle Aspiration Biopsy on the Thyroid Scan. *Clin Nuc. Med.*, 18:6; 495-497, 1993.
6. Sobotka PA, Patel RI, Wagner RH, Heroux AL, Popovski S, Johnson SA, Henkin RE. Abnormal ambulatory left ventricular ejection fraction in heart transplant arteriopathy. *Clin Nucl Med* 18:12; 1059-1062, 1993.
7. Wagner RH, Boles MA, Henkin RE. Treatment of Radiation Exposure and Contamination. *Radiographics* 14:387-396, 1994.
8. Rantis PC, Harford FJ, Wagner RH, Henkin RE. Technetium-Labeled Red Blood Cell Scintigraphy: Is It Useful In Acute Lower Gastrointestinal Bleeding? *Int J Colorect Dis* 10:210-215, 1995.
9. Rantis PC, Prinz RA, Wagner RH. Neck Radionuclide Scanning: A Pitfall in Parathyroid Localization. *Am Surg* 61:8 641-645, 1995.
10. Li S, Wagner R, Holm K, Lehotsky J, Zinaman MJ. Relationship between soft tissue body composition and bone mass in perimenopausal women. *Maturitas* 47:2 99-105,2004.
11. Wagner RH, Radiation and Cancer Risks: Is it safe to have X-Rays? *CancerNews.com* <http://cancernews.com/data/Article/264.asp> 2004.

12. Nagda SN, Mohideen N, Lo SS, Khan U, Dillehay G, Wagner R, Garza R, Campbell S, Flanigan R. Long-term follow-up of Indium111 Capromab Pendetide (Prostascint) Scan as Pretreatment Assessment in Patients Who Undergo Salvage Radiation Therapy for Rising Prostate Specific Antigen after Radical Prostatectomy for Prostate Cancer. *Int J Radiat Oncol Biol Phys.* 2007 Mar 1;67 (3):834-40
13. Smith J, Moriera J, Abood G, Nagda S, Wagner R, Aranha GV, Shoup M. The influence of FDG-PET in the management of gastroesophageal junction adenocarcinoma. *American Journal of Surgery*, 2009 March; 197(3):308-312.
14. Grady EC, Barron JT, Wagner RH. Development of asystole requiring cardiac resuscitation after the administration of regadenoson in a patient with pulmonary fibrosis receiving n-acetylcysteine. *J. Nuc. Card.* 2011 May; 18:3 521-525.
15. Thompson D, Koster MJ, Wagner RH, Heroux A, Barron JT. Single photon emission computed tomography myocardial perfusion imaging to detect cardiac allograft vasculopathy. *Eur Heart J Cardiovasc Imaging* 2012 Mar;13:3 271-5.

## **JOURNAL REVIEW**

1. Successful Treatment of a Case of Extensive Radiation Burns With Multiple Organ Dysfunction Syndrome. Li Y, Wang J, Li G, Lin W, Li X, Tong R. *J Burn Care Res.* 2012 Jun 4.
2. Exposure to an Iridium-192 Source in an Industrial Safety Worker. *J Burn Care Res.* 2013. In Process
3. Quantitative assessment of the asphericity of the pretherapeutic FDG uptake as an independent predictor of outcome in NSCLC. *BMC* 2014. In process.

## **MEDICAL STUDENT RESEARCH**

1. The Role of F-18 FDG PET in the Management of Esophageal Cancer. Student - Jonathan Moreira – 2007
2. Understanding the Impact of 64 Slice Coronary Artery Computed Tomography on the Utilization of Non-Invasive Cardiac Imaging Including SPECT Myocardial Perfusion Studies: Initial Experience Student – Anthony Brown - 2007

## **LETTERS TO THE EDITOR:**

1. Wagner RH, Halama JR, Henkin RE, Dillehay GL, Sobotka PA. Re: Errors in the determination of left ventricular functional parameters. *J Nucl Med* 31:5; 698, 1990.
2. Wagner RH, Henkin RE, Boles MA. Re: Treatment of Radiation Exposure and Contamination. *Radiographics* 15; 420, 1995.
3. Wagner RH. RE: Cancer risk related to low-dose ionizing radiation from cardiac imaging in patients after acute myocardial infarction. *CMAJ* 2011. Electronic Letter (online response) Reconcile results with known radiation biology 2 May 2011. <http://www.cmaj.ca/cgi/eletters/183/4/430#643167>

## **BOOK CHAPTERS:**

1. Wagner RH and Sobotka PA Clinical Applications of Gated Blood Pool Scanning. In "Nuclear Medicine" 2nd Ed. RE Henkin Editor. Elsevier, Philadelphia, 2006.
2. Wagner RH and Sobotka PA Clinical Applications of Gated Blood Pool Scanning. In "Nuclear Medicine". RE Henkin Editor. Mosby, St. Louis, 1996.
3. Wagner R.H. and Henkin R.E. Gastrointestinal SPECT Imaging. In: "SPECT Imaging in Clinical Nuclear Medicine". (Edited by Handmaker, H.) (In Press).
4. Wagner R.H., Henkin R.E. and Dillehay G.L. Radionuclide Methods as an Adjunct to Cancer Therapy. In: "Adjuncts to Cancer Therapy", S. Economou Editor. Lea & Febiger, Philadelphia, 1991.

## **BOOK EDITING**

1. "Nuclear Medicine 2nd Ed" - Associate Editor - Coordinated sections on Skeletal, Cardiovascular, and Gastrointestinal Nuclear Medicine (eighteen chapters). RE Henkin Editor. Elsevier, Philadelphia, 2006
2. "Nuclear Medicine" - Associate Editor - Coordinated sections on Skeletal, Cardiovascular, and Gastrointestinal Nuclear Medicine (eighteen chapters). RE Henkin Editor. Mosby, St. Louis, 1996.
3. "Questions and Answers in Nuclear Medicine" - Editor – Wagner RH, Karesh SM, Halama JR. Mosby, St. Louis, 1999.



## **BOOK REVIEWS**

1. Wagner R.H. and Henkin R.E. An Atlas of Clinical Nuclear Medicine. Maisey, M.N. and Fogelman, I., Editors. Martin Dunitz, LTD, London, England, 1988. J. Nucl. Med. 30(9):1577, 1989.
2. Wagner R.H. Essentials of Nuclear Medicine Imaging, 3rd Ed. Mettler, F.A. and Guiberteau, M.J. W.B. Saunders Company, Philadelphia, PA, 1991. Radiology 181:354, 1991.
3. Wagner R.H. Nuclear Radiology (4th Series) Test and Syllabus. Siegel, B.A. Editor. American College of Radiology, Reston, VA, 1990. Radiology 183:12, 1992.
4. Wagner R.H. Immunoscintigraphy: Practical Aspects and Clinical Applications. Perkins, A.C. and Pimm, M.V. Wiley-Liss, Inc. New York, NY. 1991. Radiology 184:180, 1992.
5. Wagner, R.H. Clinical Practice of Nuclear Medicine. Taylor, A. and Datz, F.L., Editors. Churchill Livingstone, New York, 1991. Radiology 185: 468, 1992.
6. Wagner R.H. Selected Atlases of Gastrointestinal Scintigraphy. Ziessman, H.A. and Van Nostrand, D.V., Editors. Springer-Verlag, New York, Inc, 1991. Radiology 188:52, 1993.
7. Wagner R.H. Practical Nuclear Medicine. Palmer, E.P., Scott J.A. and Strauss H.W. W.B. Saunders Company, Philadelphia, PA, 1992. Radiology 189: 828, 1993.

## **EXHIBITS AND POSTER PRESENTATIONS:**

1. Halama J.R., Wagner R.H., Henkin R.E., Low-cost Nuclear Image Transfer System (NITS) for Commercially Available Personal Computers. J. Nuc. Med., 31:5, 941, 1990.
2. Halama JR, Henkin RE, Wagner RH, Dillehay GL, Boles M.A. LUNIS: Loyola University Nuclear Information System. Radiology, 181(P):365, 1991.
3. Wagner RH, Henkin RE, Boles MA, Management of the Exposed or Contaminated Patient. J. Nuc. Med., 33:5, 1065, 1992.

4. Wagner RH, Henkin RE, Boles MA, Management of the Exposed or Contaminated Patient. *Radiology*, 185(P) p375, 1992.
5. Halama JR, Stumbris RS, Wagner RH. The LUNIS Mosaic. *J. Nuc. Med*, 35:5, p271, 1994.
6. Papatheofanis F.J., Wagner RH, Shirazi P, Konopka LM, Henkin RE. Determination of Cerebral Blood Flow Following Acute Closed-Head Trauma Using Tc-99m HMPAO SPECT. *J. Nuc. Med.*, 35:5, 213P, 1995.
7. Wagner RH, Henkin RE, Halama JR. Radiation Accident Management Training Utilizing Interactive Multimedia Software. *J. Nucl. Med.*, 36:5, 267P, 1995.
8. Jain R, Myers TF, Zeller P, Wagner R. Total Body Bone Mineral Content (TBBMC) in Preterm Infants at Birth Using Dual Energy X-Ray Absorptiometry (DEXA). Presented at the joint conference of: The Annual Meeting of the Central Society for Clinical Research; The Midwest American Federation for Clinical Research; The Midwest Society for Pediatric Research; The Society of General Internal Medicine; and The Ambulatory Pediatric Association. Chicago, September 18-20, 1996.
9. Mohideen NM, Gao X, Wagner RH, Flanigan RC, Waters WB, Leman CL. Role of Prostate Scan in the Detection of Recurrence and as Guide for Local Radiotherapy in Patients with Rising Prostate Specific Antigen (PSA) after Radical Prostatectomy. American Society of Clinical Oncology. Atlanta, May 1999.
10. MOHIDEEN NM, Dillehay GL, Wagner RH, Gao X, Waters WB, Flanigan RC. Does the prostate scan help in the pretreatment assessment of patients who undergo radiation therapy for a rising psa (prostate specific antigen) after radical prostatectomy for prostate cancer. *Int J Radiat Oncol Biol Phys* 2001; 51: 302-303.
11. S. H. Lee, G. Dillehay and R. Wagner. 99m-Tc-Sestamibi parathyroid scan: Is there a benefit of obtaining 4-hour images? Presented at Society of Nuclear Medicine 2006 Annual Meeting.
12. Hassan A, Lee SH, Gabriel MS, Wagner RH. F-18 Fdg Pet Scan In Differentiated Thyroid Cancer: Is there a role for PET Scans in High Risk Differentiated Thyroid Cancer Following Initial Surgery and Therapy? Presented at Society of Nuclear Medicine 2008 Annual Meeting.
13. Haque M, Francis T, Jaojaroenkul S. Significance of Exercise Myocardial SPECT in Identifying the Culprit Vessel in Triple Vessel Disease. International Academy of Cardiology 16th World Congress on Heart Disease Annual Scientific Sessions 2011.

14. Wagner R A Computerized Database for the Management of Nuclear Medicine Written Directives 2014. CHE Trinity Health Clinical Summit October 2014.

## **NEWSLETTER**

1. Wagner RH. Are you prepared? Scanner - Newsletter of the American College of Nuclear Medicine. 2014:2

## **MEDIA**

WGN-TV – Amy Scarlet – Prostatecint scanning for detection of prostate cancer.

Gale Encyclopedia of Medicine – Collette Placek – Kidney nuclear medicine scan.

Chicago Sun-Times - With radiation concerns gone, Japan eager for tourists  
BY ALAN SOLOMON July 16, 2011  
<http://www.suntimes.com/lifestyles/travel/6480039-502/with-radiation-concerns-gone-japan-eager-for-tourists.html>

EC NEWS, AUGUST 2011 - Emergency Preparedness for a Nuclear Disaster - Catherine Rategan

Oakstone Medical Review – 3 part series special presentation on Management of Patients involved with Radiation Accidents (2011 – 2012)

## **SOFTWARE DEVELOPMENT**

### **EDUCATIONAL AND RESEARCH**

1. Developed interactive software titled “Breast Cancer: A Surgical Instructional Program” while at Rush Presbyterian-St. Lukes Medical Center using the Computer Based Education Research Laboratories, University of Illinois, 1984.
2. Co-authored educational software for Amersham/MediPhysics on the use of Metastron. The program provides a tutorial, a self-assessment section, and clinical tools to assist physicians in patient management.
3. Co-developed a program for the determination of left ventricular systolic and diastolic parameters. This was used in the investigation of the ability of MUGA studies in predicting cardiac transplant rejection.

4. Researched and assisted in the development of the Nuclear Image Transmission System (NITS). This was the basis for the image exchange capability that currently exists in the Loyola University Nuclear Information System (LUNIS).

#### ADMINISTRATIVE

1. Designed and developed EKG Report Generator. Software for use in the nuclear medicine stress lab to automate the transcription of stress treadmill and pharmacologic stress results. This has effectively decreased turnaround of reports from approximately three weeks to one or two days and eliminated hours of secretarial time each day.
2. Development of a series of clinical management tools for patients that have been treated with Metastron (Strontium-89.) This software can provide patients with information, track laboratory results, and fulfill some of the regulatory requirements involved in radionuclide therapy with Strontium-89.
3. Developed and implemented a laboratory result software package, which was used for 10 years to track patient results and quality control for the Loyola University Nuclear Medicine Radioimmune assay laboratory.
4. Developed clinical software for the computer analysis of gastric emptying as measured using nuclear medicine techniques.
5. Authored software to assist in evaluation of reimbursement from managed care organizations. Enables the users to prospectively evaluate and compare managed care contracts, income and reimbursement from a variety of managed care situations.
6. Authored software to search the IDXRad RIS for key phrases in text reports. This permitted the department to become compliant for JACHO regulations regarding significant and critical results.
7. Written Directive Manager – Software to assist in managing the legal requirements and workflow of written directives as a part of diagnostic and therapeutic Nuclear Medicine.
8. Resident direct observation tools for scan and procedure evaluations.
9. Written Directive Manager V2.0 – Comprehensive software to assist in management of written directives for Nuclear Medicine.

**CONSULTANT:**

Tetra Tech	2014-Present
Algeta/Bayer	2013-2014
Avid Pharmaceuticals	2013-2014
GE – Speakers Bureau	2009-2011
Gil Cosnett and Associates	2004-2010
Radiation Management Consultants, Philadelphia, PA	1990-2006
University Nuclear Medicine, Downers Grove, IL.	1990-2006
Capintec, Inc.	1997-2001
Diatide, Inc., Londonderry, NH	1996-2001
Medical Imaging Systems, Aurora, IL	1990-1992