

# Henry N. Wagner, Jr., M.D.

## Contact Info

School of Hygiene and Public Health  
The Johns Hopkins University  
615 North Wolfe Street, Room 2001  
Baltimore, Maryland 21205-2179  
Phone: (410) 955-3351  
Fax: (410) 955-6222  
[www.henrynwagnerjr.com](http://www.henrynwagnerjr.com)

## Personal Information

Date of Birth: May 12, 1927  
Place of Birth: Baltimore, Maryland  
Marital Status: Married, four children  
Wife's Name: Anne Barrett Wagner

## Education

1940-44 Calvert Hall High School, Baltimore, Maryland  
1944-45 U.S. Coast Guard Academy, New London, Connecticut  
1945-48 The Johns Hopkins University, School of Arts and Sciences, A.B.  
1948-52 The Johns Hopkins University, School of Medicine, M.D.  
1948-53 U.S. Air Force Reserve  
1952-53 Internship - The Johns Hopkins Hospital  
1953-55 Assistant Resident, Osler Medical Service, The Johns Hopkins Hospital  
1955-57 Clinical Associate, National Institutes of Health, Bethesda, Maryland  
1957-58 Special Fellow, Postgraduate Medical School of London, Hammersmith Hospital, London, England

1958-59 Chief Medical Resident, Osler Medical Service, Instructor of  
Medicine, The Johns Hopkins Hospital

## **Professional Appointments**

### **The Johns Hopkins University**

- 1959-64 Assistant Professor of Medicine and Radiology  
School of Medicine
- 1964-67 Associate Professor of Radiological Science  
School of Hygiene and Public Health
- 1964-67 Associate Professor of Radiology  
School of Medicine
- 1964-70 Associate Professor of Medicine  
School of Medicine
- 1967-73 Professor of Radiological Science  
School of Hygiene and Public Health
- 1972-76 Acting Chairman  
Department of Radiological Science  
School of Hygiene and Public Health
- 1967-95 Professor of Radiology  
School of Medicine
- 1970-95 Professor of Medicine  
School of Medicine
- 1971- Principal Professional Staff  
Applied Physics Laboratory
- 1976- Professor of Environmental Health Sciences  
School of Hygiene and Public Health
- current Director,  
Division of Radiation Health Sciences  
Department of Radiological Science  
School of Hygiene and Public Health
- 1995- Professor (Emeritus) of Medicine  
School of Medicine
- 1995- Professor (Emeritus) of Radiology and Radiological Science -  
School of Medicine

### **The Johns Hopkins Hospital**

- current Physician
- current Radiologist
- 1964-73 Physician-in-Charge  
Nuclear Medicine Division

### **Fu Wai Hospital, Peking, China**

- current Honorary Professor

### **Certifications**

- 1952 License to practice medicine, State of Maryland
- 1961 American Board of Internal Medicine
- 1971 American Board of Nuclear Medicine

### **Honorary Degrees**

- 1980 Honorary Doctor of Science Degree  
Washington College  
Chestertown, Maryland
- 1988 *Medicinae Doctoris Jura Dignitatemque  
Honoris Causa Sinceracum Reverentia Tribuit  
Universitatis Georgine Augustae  
Gottingensis Ordo Medicorum  
Gottingen, Germany*
- 1990 Doctor Honoris Causa of the Vrije  
Universiteit Brussel  
Brussels, Belgium

### **Other Honors**

- 1949 Phi Beta Kappa
- 1952 Alpha Omega Alpha
- 1961 Fellow, American College of Physicians
- 1962 Sigma Xi (The Scientific Research Society)
- 1963 National Councillor  
American Federation for Clinical Research (AFCR)

- 1968 The Fleischner Society
- 1972 Recipient Of First Vikram Surhabel Gold Medal awarded by the Society of Nuclear Medicine of India
- 1973 Honorary Member  
Texas Association of Physicians in Nuclear Medicine (TAPNM)
- 1975 Miembro Honorario  
Sociedad Medicina Nuclear de Puerto Rico
- 1976 Georg Von Hevesy Medalist
- 1979 Fellow, American College of Cardiology
- 1980 Honorary Member  
Mexican Society of Nuclear Medicine
- 1980 Honorary Member, Technologists Section  
Society of Nuclear Medicine
- 1981 Honorary Member  
Association of Latin American Societies of Nuclear Medicine and Biology (ALASBIMN)
- 1985 Hevesy Award (Society of Nuclear Medicine)
- 1986 Nominee, The R. and J. Bendheim Fellowship for Research in Parkinson's Disease  
February 1986
- 1986 Honorary Fellow  
Indian College of Radiology
- 1986 Charles C. and Mary Elizabeth Lovely Verstandig Distinguished Visiting Professor  
Department of Radiology  
University of Tennessee  
(Oct 6-8, 1986)
- 1988 Honorary Professor  
Department of Nuclear Medicine  
Cardiovascular Institute and Fu Wai Hospital  
Chinese Academy of Medical Sciences
- 1991 American Medical Association's  
Scientific Achievement Award
- 1992 Medical Technology Leadership Award

National Electrical Manufacturers Association

1993 First Annual Society of Nuclear Medicine President's Award for Outstanding Contributions to Nuclear Medicine

### **Professional Societies**

1952- The Johns Hopkins Medical and Surgical Association  
1953- American Federation for Clinical Research (AFCR)  
1962- President, Eastern Section, AFCR  
1963- National Councillor, AFCR  
1968- President, AFCR  
1956- Endocrine Society  
1958- Society of Nuclear Medicine  
1967- Vice-President, SNM  
1970-71 President, SNM  
1960- American Society for Clinical Investigation  
1966- Maryland Society of Nuclear Medicine  
1975-78 President, World Federation of Nuclear Medicine and Biology (WFNMB)  
1978-79 President, The Johns Hopkins Medical Society  
1979-80 President, Baltimore City Medical Society  
Member, American Heart Association-Maryland Affiliate, Inc.  
1986- National Research Council, Institute of Medicine  
1990- Fellow, American College of Nuclear Medicine

### **Committee Memberships & Consultantships (in alphabetical order)**

#### **Advisory Boards**

International Advisory Board, Annals of Nuclear Medicine, The Japanese Society of Nuclear Medicine, 1995-

#### **American Heart Association**

Member, American Heart Association-Maryland Affiliate, Inc.

Member, Council on Basic Sciences Fellow, Council on Cardiovascular Radiology (1976)

Member, Executive Committee, Council on Cardiovascular Radiology

#### **American Medical Association (AMA)**

Alternate Delegate, AMA

Member, Cardiorespiratory Council, Research Task Group

Chairman, Section Council on Nuclear Medicine

Member, Advisory Committee on Medical Use of Isotopes

Member, Council on Scientific Affairs, AMA

Alternate Delegate, Maryland, AMA

Chairman, AMA Residency Review Committee for Nuclear Medicine

Chairman, Section Council on Nuclear Medicine, AMA

**American National Standard (ANS) Institute, Inc.**

Chairman, ANS Subcommittee on Nuclear Medicine, N44.3 (inactive)

**Baltimore City Medical Society**

Member, Medical Care Committee

Member, Board of Directors Member, Policy and Planning Committee

Member, Committee to Review Research Protocols

Member, Public Relations Committee

Member, Membership Committee

Member, Public Medical Education Committee

Member, Medical Care Committee

Member, Board of Directors

President, Baltimore City Medical Society, 1979-80

Medical Staff, Consulting Staff, Anne Arundel General Hospital,  
Annapolis, Maryland, 1980

Member, Nuclear Medicine Committee Saint Joseph Hospital, Towson,  
MD, 1980

**Brookhaven National Laboratory (Upton, New York)**

Research Collaboratory October 1, 1982-September 30, 1983

Member, Visiting Committee for the Medical Department, 1/1/83 -  
12/31/86

Member, Physics and Medicine Planning Committee, 1986

Chairman, Brookhaven Visiting Committee, 1986

Member, Planning Committee, Global Foundation, Inc., Coral Gables, FL, for meeting December 8-12, 1986, Orlando, FL (1985-86)

Member, Program Committee, SPIE (Society of Photo-Optical Instrumentation Engineers) for SPIE's 1986 Conference on Medicine XIV/PACS IV, 2-7 February 1986, Newport Beach, CA (1985-86)

### **Editorial Boards**

Member, Editorial Board, Clinical Cardiology, 1977-

Member, Editorial Board, Postgraduate Radiology (A Journal of Continuing Education) Mount Kisco, New York: Futura Publishing Company

Member, Editorial Board, Magnetic Resonance Imaging, Elmsford, New York, Pergamon Press, Inc.

Member, Editorial Board, Journal of Cerebral Blood Flow and Metabolism, July, 1985-

Associate Editor, and Member Editorial Board, The Journal of Nuclear Medicine, Jan 1, 1994-Dec 31, 1995

### **European Society of Nuclear Medicine**

Corresponding Member (1980)

### **Institute of Medicine, 1986-**

### **The Johns Hopkins University/The Johns Hopkins Medical Institutions**

Member, Diagnostic Testing Review Committee, JHMI

Member, Joint Committee on Radiation Control

Medical Director, Johns Hopkins Hospital-Essex Community College Nuclear Medicine Technology Program

Member, Department of Radiology Promotions Committee

Member, Ad Hoc Committee of Art as Applied to Medicine, School of Medicine

Member, Executive Committee, Department of Environmental Health Sciences

Member, Executive Committee, Department of Radiology

Member, Cardiorespiratory Council

Member, Interdisciplinary Committee on Nuclear Magnetic Resonance

Member, Interdepartmental Committee on Positron Emission Tomography

Member, Committee on Gould Lectureship, Johns Hopkins University (JHU), 1969, 1971, 1976

Member, Committee on Audio-Visual Media (JHU), 1969-70

President, Johns Hopkins Medical Society, 1977-78

Representative of the Class of 1952 at Johns Hopkins Medical and Surgical Association Biennial Meeting, February 25-26, 1977

Member, Executive Committee, Department of Radiology, 1965-70

Member, Subcommittee on Utilization Review Program, Department of Radiology and Radiological Science, 1966

Member The Johns Hopkins Medical Institutions Joint Committee on Library Services (Welch Library), 1980

### **National Academy of Science**

Member, Subcommittee on Radiobiology

Member, Committee on Nuclear Science, Assembly of Mathematical and Physical Scientists, National Research Council, 1974

### **National Institutes of Health**

Member, NIH Ad Hoc Advisory Board on PET

Member, Radiology Study Section, July 1, 1972-June 30, 1976

Member, Diagnostic Radiology and Nuclear Medicine Study Section, Aug, 1979 - June 30, 1982

Member, VA Medical Research Career Development Committee, Department of Medicine and Surgery, Washington, DC, February 12, 1975 - June 30, 1979

### **National Research Council**

Member, National Council on Radiation Protection and Measurements

Member, Ad Hoc Committee on Internal Emitters

Member, Committee on Assessment of CDC Radiation Studies, 1992-1994

### **Nuclear Regulatory Commission**

Member, Advisory Panel for the Decontamination of the Three Mile Island, Unit 2

Member, Advisory Group which reviews radiological health effects model used in Reactor Safety Study (WASH-400). Dr. Douglas Cooper (P.I. at Harvard University School of Public Health) Subcontractor to Sandia Laboratories

### **Society of Nuclear Medicine**

Member, Council of Past Presidents

Member, SNM Standing Committee of Awards 1991-1994

Member, Health Care Reform Committee 1994-1995

Member, Board of Trustees, Society of Nuclear Medicine (SNM)

Member, Board of Directors, Education and Research Foundation, SNM

Member, Nominating Committee, SNM

Member, Science Policy Subcommittee, SNM

Member, Computer Committee, SNM

Member, Ad Hoc Committee on the MIRD (Medical Internal Radiation Dose), SNM

Session Chairman, SNM (Montreal), 1963

Member, Committee on Competence and Certification, SNM, 1968

Chairman, Council of Past Presidents, SNM, 1971-1972

Member, Committee on Radiopharmaceutical Liaison, SNM, 1969

Member, Publications Committee, SNM, 1969

Member, Academic Council SNM, 1972

Member, Society Task Force in a Section on Nuclear Medicine, SNM, 1975

Member, Joint Task Force on Recertification in Nuclear Medicine, SNM, 1975

Member, Science Policy Subcommittee, SNM, 1977

Member, Task Force on Federal Funding, SNM, 1977

Member, Program Committee, SNM, 1977

Site Visit Surveyor to AMA Joint Committee on Educational Programs in Nuclear Medicine and Technology, SNM, 1977

Member, Special Committee on Efficacy, SNM, 1978-82

Member, SNM Committee on Public Health and Efficacy, 1985

Delegate (from SNM) to Third World Congress of World Federation of Nuclear Medicine and Biology, Paris, France, August 29-September 2, 1982

Member, Special Committee on SNM and AMA Relations, June 1978 - June 1979

### **State of Maryland**

Chairman, Maryland Governor's Committee on Three Mile Island

Member, Maryland Medical Advisory Committee (Division of Radiological Health), Department of Health and Mental Hygiene

Member, Laboratory Advisory Council (Proposed Medical Laboratory Regulations), Department of Health and Mental Hygiene

Member, Advisory Commission on Atomic Energy Department of Natural Resources, Energy and Coastal Zone Administration

Member, Panel on Public Policy on Nuclear Energy for Electricity Generation, University of Maryland, Center for Environmental and Estuarine Studies

Member of the Council, Medical and Chirurgical Faculty

Member, Power Plant Siting Program, Department of Natural Resources, State of Maryland, 1975

Member, Faculty, State of Maryland, 1979-1983

Member, Legislative Committee, Medical and Chirurgical Faculty of the State of Maryland through October 1981

Member, Committee on Programs and Arrangements, Medical and Chirurgical

Member, Expansion of Health Care and Insurance Reform Technical Advisory Committee, Medical and Chirurgical

Chairperson, Scientific Activity Committee, Medical and Chirurgical

Chairperson, Council on Medical Education, Medical and Chirurgical

### **United States Air Force**

National Consultant in Nuclear Medicine to the Surgeon General

### **United States Army**

Consultant in Nuclear Medicine, Walter Reed Army Medical Center

### **United States Department of Energy**

Consultant

### **United States Food and Drug Administration**

Consultant Member, Federal FDA Panel for Radiology Devices

### **University of Texas Health Science Center at Houston**

Member: Positron Diagnostic Research Center Advisory Board

### **World Health Organization**

Advisory Expert for the Network of WHO Collaborating Centres

## **Publications**

### **Books & Monographs**

1. GA Andrews, RM Kniseley HN Wagner Jr, ed: Radioactive Pharmaceuticals. USAEC Symposium Series 6, CONF-651111, National Bureau of Standards, Springfield, Virginia, 1966.
2. Wagner HN Jr, ed.: Principles in Nuclear Medicine. Philadelphia: WB Saunders Company Publishers, 1968.
3. DeLand FH, Wagner HN Jr: Atlas of Nuclear Medicine, Vol. I. The Brain. Philadelphia: WB Saunders Company, 1969.

4. DeLand FH, Wagner HN Jr: Atlas of Nuclear Medicine, Vol. II. Lung and Heart. Philadelphia: WB Saunders Company, 1971.
5. Wagner HN Jr: Xenon-133 in the Differential Diagnosis of Pulmonary Embolism. NEN Radiopharmaceutical Division, July 1972, Billerica, Massachusetts.
6. DeLand FH, Wagner HN Jr: Atlas of Nuclear Medicine, Vol. III, RES Liver and Thyroid. Philadelphia: WB Saunders Company, 1972.
7. James AE, Wagner HN Jr, Cooke RE, ed.: Pediatric Nuclear Medicine. Philadelphia: WB Saunders Company, 1974.
8. Wiseman J, Wagner HN Jr: A Lung Scanning Catechism. St. Paul, Minnesota, 3M Company, 1974.
9. Wagner HN Jr, ed.: Nuclear Medicine. New York, NY: Hospital Practice Publishing Co., 1975.
10. Roy RB, Geyer JC, Laster HW, Holliday DR, Entwisle D, Fisher AC, Gomezplata A, Heinle DR, McLain JH, Milsten D, Munno FJ, Power G, Wagner HN Jr: Panel on Public Policy on Nuclear Energy for Electricity Generation. Final Report to the Governor of Maryland. Maryland: Inland Environmental Laboratory, Center for Environmental and Estuarine Studies, University of Maryland, June 1976.
11. Strauss HW, Pitt B, Rouleau J, Bailey IK, Wagner HN Jr, ed.: North WA: Atlas of Cardiovascular Nuclear Medicine, Selected Case Studies. St. Louis: CV Mosby Co, 1977.
12. Alderson PO, Gilday DL, Wagner HN: Atlas of Pediatric Nuclear Medicine. St. Louis, Missouri: CV Mosby Company, 1978.
13. Horst W, Wagner HN Jr, Buchanan JW, ed. Frontiers in Nuclear Medicine. New York: Springer-Verlag, 1980.
14. Wagner HN Jr, Katz R, Sachariah KG, Zerhouni EA: Radionuclide Scanning: A New Look At The Heart. Monograph. Merck Sharp & Dohme.
15. Iio M, Wagner HN Jr, ed.: Geriatric Nuclear Medicine. Tokyo: Igaku-Shoin Ltd, 1983.
16. Deutsch E, Nicolini M, Wagner HN, Segre E International Symposium on Technetium in Chemistry and Nuclear Medicine (Villa Simes Padova, Italy, 1982): Technetium in Chemistry and

Nuclear Medicine. E Deutsch M Nicolini HN Wagner Jr, ed. G Bandoli, U Mazzi, associate ed., presentation by E Segre. Verona, Italy: Cortina International; New York: distributed by Raven Press, 1983.

17. Wagner HN Jr: Nuclear medicine: Present and future. Summary of lectures presented in Japan, Autumn 1984. (Printed in Japanese). Nihon Medi-Physics, May, 1985. (Monograph)
18. Wagner HN Jr, Buchanan JW, Espinola-Vassallo D: Diagnostic Nuclear Medicine: Patient Studies. Chicago: Year Book Medical Publishers, Inc., 1986.
19. Wagner HN Jr, Ketchum LE: Living with Radiation: The Risk, The Promise. Baltimore, Maryland: Johns Hopkins University Press, 1988.
20. Frost JJ, Wagner HN Jr, eds: Quantitative Imaging: Neuroreceptors, Neurotransmitters and Enzymes. New York: Raven Press. 1990.
21. Wagner HN Jr. Szabo Z, Buchanan JW eds: Principles of Nuclear Medicine, Second Edition. W.B. Saunders, Philadelphia, 1995

### **Book Chapters**

1. Wagner HN Jr: Pneumonia, bacteria. In: Current Therapy, HF Conn, ed., Philadelphia: WB Saunders Company, 1960.
2. Dimitriadou A, Fraser TR, Slater JDH, Wagner HN Jr: Iodine transfer within the thyroid in non-toxic goiter. In: Advances in Thyroid Research, R Pitt-Rivers, ed., New York: Pergamon Press, 1961.
3. Wagner HN Jr: Nuclear Medicine. In: Practice of Medicine, Vol. II, F Tice, ed., Hagerstown, Maryland: WF Prior Company Publishers, 1962.
4. Wagner HN Jr: Radioisotope scanning of the spleen. In: Progress in Medical Radioisotope Scanning, Proceedings of 1962 Symposium, RM Knisely, GA Andrews, CC Harris, ed., Oak Ridge Institute of Nuclear Studies, Oak Ridge, 1963.
5. Wagner HN Jr: Regional blood-flow measurements with Krypton-85 and Xenon-133. In: Dynamic Clinical Studies with Radioisotopes, Proceedings of 1963 Symposium, RM Knisely,

- WN Tauxe, ed., Oak Ridge Institute of Nuclear Studies, Oak Ridge, 1964.
6. Wagner HN Jr, Sabiston DC Jr, McAfee JG, Tow DE: Diagnosis of massive pulmonary embolism in man by radioisotope scanning. In: Scintillation Scanning in Clinical Medicine, JL Quinn III, ed., Philadelphia: WB Saunders Company, 1964, pp. 125-141.
  7. Wagner HN Jr: Radioactive isotopes in surgical diagnosis. In: Diagnosis for the General Surgeon, RT Shackelford, ed., Philadelphia: WB Saunders Company, 1964.
  8. Wagner HN Jr, Sabiston DC Jr, Iio M, Langan JK: Diagnosis of massive pulmonary embolism in man by radioisotope scanning. In: Medical Radioisotope Scanning, Vol. II, Symposium Proceedings, International Atomic Energy Agency, Athens 1964, II: 303-324, IAEA, Vienna.
  9. Wagner HN Jr: Measurement and diagnosis of pulmonary function and disease. In: Nuclear Medicine, WH Blahd, ed., New York: McGraw-Hill, 1965.
  10. Wagner HN Jr, McAfee JG, Mozley JM: Diagnosis of pericardial effusion by radioisotope scanning. In: Radioisotopes and Circulation, G Sevelius, ed., Boston: Little, Brown & Company Publishers, 1965.
  11. Reba RC, Wagner HN Jr, McAfee JG: Radioactive chlormerodrin kidney uptake test. In: Nuclear Medicine, WH Blahd, ed., New York: McGraw-Hill Publishers, 1965.
  12. Wagner HN Jr: Diagnosis of splenic disorders by radioisotope scanning. In: Nuclear Medicine, WH Blahd, ed., New York: McGraw-Hill Publishers, 1965.
  13. Wagner HN Jr: Radioisotope scanning in pulmonary embolic disease. In: Pulmonary Embolic Disease. A Sasahara, ed., New York: Grune and Stratton, Publishers, 1965.
  14. Proctor DF, Wagner HN Jr: Mucociliary particle clearance in the human nose. In: Inhaled Particles and Vapours II. Oxford: Pergamon Press, 1966.
  15. Wagner HN Jr: Radioisotope techniques in the diagnosis of diseases of the nervous system. In: Clinical Neuroradiology. K Decker, ed., New York: McGraw-Hill Publishers, 1966.

16. Wyatt HJ, Wagner HN Jr: Epiphyseal uptake of radioactive strontium. In: Human Growth, DB Cheek, ed., Philadelphia: Lea and Febiger Publishers, 1968., pp. 230-236.
17. Kaihara S, Wagner HN Jr: Metabolic changes associated with phagocytosis of particles by human leukocytes during bacterial infections. In: Radioisotopes in Medicine: In Vitro Studies, Conf. 671111, USAEC, U.S. Department of Commerce, Springfield, 1968.
18. Wagner HN Jr: Radioisotope scanning procedures in surgical diagnosis. In: Diagnosis of Surgical Disease, RT Shackelford, ed., Philadelphia: WB Saunders Company, 1968.
19. Lopez-Majano V, Wagner HN Jr, Chernick V, Tow DE: Influencia de enfisema en la circulacion pulmonar. In: Proceedings of Primer Congreso de la Asociacion Latinoamericana de Sociedades de Biologia y Medicina Nuclear, October 2-8, 1966, Lima, Peru. Lima, Peru: Grafica Morsom, S.A., 1968.
20. Lopez-Majano V, Wagner HN Jr, Chernick V, Tow DE: Circulacion pulmonar en tuberculosis. In: Proceedings of Primer Congreso de la Asociacion Latinoamericana de Sociedades de Biologia y Medicina Nuclear, October 2-8, 1966, Lima, Peru. Lima, Peru: Grafica Morsom S.A., 1968.
21. Lopez-Majano V, Wagner HN Jr, Proctor D, Tow DE: Eliminacion de particulas del arbol respiratorio. In: Proceedings of Primer Congreso de la Asociacion Latinoamericana de Sociedades de Biologia y Medicina Nuclear, October 2-8, 1966, Lima, Peru. Lima, Peru: Grafica Morsom S.A., 1968.
22. Wagner HN Jr, Stern HS, Rhodes BA, Reba RC, Hosain F, Zolle I: Design and development of new radiopharmaceuticals. In: Medical Radioisotope Scintigraphy. Vol. I, International Atomic Energy Agency, Vienna 1968.
23. Natarajan TK, Wagner HN Jr: A data storage, processing and display system for radionuclide imaging. In: Medical Radioisotope Scintigraphy. Vol. II, International Atomic Energy Agency, Vienna, 1969.
24. McIntyre PA, Wagner HN Jr: Newer tracer techniques in hematology. In: Progress in Hematology, Vol. VI, CB Brown, EV Moore, ed., New York: Grune & Stratton, 1969, pp. 305-333.

25. Wagner HN Jr: Research and diagnostic uses of lung scanning. In: *Frontiers of Pulmonary Radiology*, M Simon, EJ Potchen, M Le May, ed. New York: Grune & Stratton, 1969, p. 246.
26. DeLand FH, Wagner HN Jr, Kaihara S, Carulli N: The application of radioactive tracers in laboratory medicine. In: *Proceedings of the Sechste Jahrestagung der Gersellschaft fur Nuclearmedizin in Wiesbaden, September 26-28, 1968.* Stuttgart: FK Schattauer Verlag, 1970.
27. DeLand FH, Wagner HN, Jr, Kaihara S, Carulli N: Radioisotope in pharmakolinetik und Klinischer Biochemic. In: *Proceedings of the Sechste Jahrestagung der Gersellschaft fur Nuclearmedizin in Wiesbaden, September 26-28, 1968.* Stuttgart: FK Schattauer Verlag, 1970.
28. James AD, Wagner HN Jr: Detection of occult metastases and diagnostic role in management of patients with cancer. In: *Modern Trends in Radiotherapy II*, TJ Deeley, ed., London: Butterworths, 1972.
29. Wagner HN Jr, James AE Jr: Studies of the pulmonary circulation with radioactive microspheres. In: *Clinical Dynamic Function Studies with Radionuclides.* Millard N Croll, Luther W Brady, H Randolph Tatem III, Takashi Honda, ed. Appleton-Century-Crofts and Meredith Corporation, 1972, pp. 209-229.
30. Wagner HN Jr: Cerebral Vascular Diseases. In: *8th Conference on Cerebral Vascular Diseases.* FH McDowell, RW Brennan, ed., New York: Grune & Stratton Inc, 1973.
31. Rhodes BA, Bell WR, Malmud LS, Siegel ME, Wagner HN Jr: Labelling and testing of urokinase and streptokinase: new tracers for the detection of thromboemboli. In: *Radiopharmaceuticals and Labelled Compounds, Vol. II.* International Atomic Energy Agency, Vienna, 1973.
32. Wagner HN Jr, Natarajan TK, Knowles LG, McEwan CE: Practical applications of the computer in radionuclide imaging. In: *Medical Radioisotopes Scintigraphy 1972, Vol. I.* International Atomic Energy Agency, Vienna, 1973.
33. Wagner HN Jr, Buddemeyer EU: Nuclear medicine. In: *Medical Engineering.* CD Ray, ed., Chicago: Year Book Medical Publishers Inc, 1974, Chapter 60.

34. Wagner HN Jr: The future of pediatric nuclear medicine. In: Pediatric Nuclear Medicine. AE James, HN Wagner Jr, RE Cooke, ed., Philadelphia: WB Saunders Company, 1974, pp. 517-519.
35. Strauss HW, Wagner HN Jr, Wesselhoeft H, Hurley PJ: Radionuclide angiocardiology in pediatrics. In: Pediatric Nuclear Medicine. AE James, HN Wagner Jr, RE Cooke, ed. Philadelphia: WB Saunders Company, 1974, Chapter 5 (Heart), pp. 219-230.
36. Strauss HW, Wagner HN Jr: Cardiovascular nuclear medicine. A new approach to coronary heart disease--non-invasive techniques. In: Nuklearmedizin, Ergebnisse in Technik, Klinik und Therapie. Elfte Jahrestagung der Gesellschaft for Nuklearmedizin, Athens, 24-29 September 1973. Malamos B, Pabst HW, Hor G, ed. New York: F.K. Schattauer Verlag, 1974, pp. 183-187.
37. Natarajan TK, Wagner HN Jr: Current uses of the computer in clinical nuclear medicine. In: Recent Advances in Nuclear Medicine. Proceedings of the First World Congress of Nuclear Medicine. September 30-October 5, 1974, Tokyo and Kyoto, Japan. Yokohama, Japan: Ohkawa Printing Company, 1974. Plenary Session I, pp. 8-1 - 8-2.
38. Thorell JI, Larson SM, Cuatrecasas P, Wagner HN Jr: Binding characteristics of cell membrane receptors and antibodies for radioligand assays. In: Recent Advances in Nuclear Medicine. Proceedings of the First World Congress of Nuclear Medicine. September 30-October 5, 1974, Tokyo and Kyoto, Japan. Yokohama, Japan: Ohkawa Printing Company, 1974. Symposium 6, In Vitro Procedures, pp. 175-178.
39. Wagner HN Jr: The search for nuclear magic bullets. In: Recent Advances in Nuclear Medicine. Proceedings of the First World Congress of Nuclear Medicine. September 30-October 5, 1974, Tokyo and Kyoto, Japan. Yokohama, Japan: Ohkawa Printing Company, 1974. Symposium 7, Radiopharmaceuticals, pp. 179-180.
40. Sasahara AA, Tow DE, Wagner HN Jr, Potchen EJ: The urokinase pulmonary embolism trial: lung scan assessments of therapy. In: Recent Advances in Nuclear Medicine. Proceedings of the First World Congress of Nuclear Medicine. September 30-October 5, 1974, Tokyo and Kyoto, Japan. Yokohama, Japan: Ohkawa Printing Company, 1974. Symposium 10, Pulmonary Disease, pp. 258-260.

41. Wagner HN Jr: Transplant of technology: problems and limitations. In: Recent Advances in Nuclear Medicine. Proceedings of the First World Congress of Nuclear Medicine. September 30-October 5, 1974, Tokyo and Kyoto, Japan. Yokohama, Japan: Ohkawa Printing Company, 1974. Symposium 16, Present States and Future Role of World Nuclear Medicine, pp. 376-377.
42. Zarins CK, Moossa AR, Rhodes BA, Williams GM, James AE, Jr, Skinner DB, Wagner HN Jr: Predicting the viability of revascularized ischemic gut. In: Recent Advances in Nuclear Medicine. Proceedings of the First World Congress of Nuclear Medicine. September 30-October 5, 1974, Tokyo and Kyoto, Japan. Yokohama, Japan: Ohkawa Printing Company, 1974. Gastroenterology 1, pp. 428-429.
43. Camargo EE, Larson SM, Tepper BS, Wagner HN Jr: Radiometric detection of metabolic activity of mycobacterium lepraemurium. In: Recent Advances in Nuclear Medicine. Proceedings of the First World Congress of Nuclear Medicine. September 30-October 5, 1974, Tokyo and Kyoto, Japan. Yokohama, Japan: Ohkawa Printing Company, 1974. In Vitro Procedures 2, pp. 825-827.
44. Heshiki A, Schatz SL, McKusick KA, Bowersox DW, Soin JS, Wagner HN Jr: Gallium-67 citrate scanning in patients with pulmonary sarcoidosis. In: Recent Advances in Nuclear Medicine. Proceedings of the First World Congress of Nuclear Medicine. September 30 October 5, 1974, Tokyo and Kyoto, Japan. Yokohama, Japan: Ohkawa Printing Company, 1974. Pulmonary Disease 1, pp. 1084-1089.
45. Natarajan TK, Wagner HN Jr: Functional images of the lungs. In: Recent Advances in Nuclear Medicine. Proceedings of the First World Congress of Nuclear Medicine. September 30-October 5, 1974, Tokyo and Kyoto, Japan. Yokohama, Japan: Ohkawa Printing Company, 1974. Pulmonary Disease 1, pp. 1107-1110.
46. Wagner HN Jr, Strauss HW: Radioactive tracers in the differential diagnosis of pulmonary embolism. In: Cardiovascular Nuclear Medicine. Strauss HW, Pitt B, James AE Jr, ed., St. Louis: CV Mosby Co. 1974.
47. Strauss HW, Dibos PE, North WA, Larson SM, under the direction of HN Wagner Jr: The liver. In: Nuclear Medicine. Philadelphia: WB Saunders Company, 1974, pp. 1-15.

48. Strauss HW, Wagner HN Jr: Cardiovascular nuclear medicine in the evaluation of patients with coronary heart disease. In: The William Likoff Symposium-New Horizons in Cardiovascular Practice. HL Russek ed., Baltimore: University Park Press, 1975, pp. 97-109.
49. Friedman BH, Siegel ME, Rhodes BA, Wagner HN Jr: Venous haemodynamics. In: Dynamic Studies with Radioisotopes in Medicine 1974, Volume II. IAEA-SM-185/45. Vienna, 1975, pp. 105-114.
50. Wagner HN Jr: Nuclear techniques in brain tumor detection. In: Radiologic and Other Biophysical Methods in Tumor Diagnosis. Year Book Medical Publishers Inc, 1975, pp. 33-38.
51. Wagner HN Jr: Diagnostics and therapy using nuclear techniques. In: Radiation Engineering in the Academic Curriculum. International Atomic Energy Agency, Vienna, 1975.
52. Natarajan TK, Wagner HN Jr: Functional images of the lungs. In: Dynamic Studies with Radioisotopes in Medicine 1974, Volume II. IAEA-SM-185/15, Vienna, 1975, pp. 357-367.
53. George RO, Strauss HW, Larson SM, Natarajan TK, Mitchell TG, Wagner HN Jr: Clinical usefulness of regional cerebral circulation studies with sodium pertechnetate. In: Proceedings of International Symposium on Cerebral Blood Flow - 1973. Springer-Verlag, Inc, New York 1975, pp. 321-324.
54. George RO, Wagner HN Jr: Nuclear medicine in neurological diseases. In: The Nervous System, Vol. 2: The Clinical Neurosciences. Tower DB, ed. New York: Raven Press, 1975, pp. 45-53.
55. George RO, Wagner HN Jr: Ten years of brain tumor scanning at Johns Hopkins: 1962-1972. In: Noninvasive Brain Imaging: Computer Tomography and Radionuclides. De Blanc HJ Jr, Sorenson JA, ed. New York: Society of Nuclear Medicine Inc, 1975, pp. 3-16.
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