

*The 70th Annual
Michigan Radiological Society
Preston M. Hickey Memorial Lecture
March 9, 2006 at the Inn at St. John's, Plymouth*

6:00 pm Cocktails
6:30 pm Dinner
7:00 pm Business Meeting
7:15 pm Lecture
8:15 pm Adjourn

Keynote Speaker

Geoffrey D. Rubin, MD

*Professor of Radiology, Associate Dean for Clinical Affairs
Stanford University School of Medicine
Chief of Cardiovascular Imaging, Stanford University Medical Center
Stanford, California*

Topic

Cardiac CT: Clinical Opportunities, Practice Challenges

Objectives

- To learn the current capabilities of MDCT for imaging the coronary arteries
- To understand the methods used to optimize coronary CTA image quality
- To learn the clinical applications for coronary CTA and the role of CTA in current clinical care

Black Tie Optional



The 70th Annual
**PRESTON M. HICKEY
MEMORIAL LECTURE**

*March 9, 2006
The Inn at St. John's
Plymouth, Michigan*

Presented by
Michigan Radiological Society

Geoffrey D. Rubin, MD is Professor of Radiology at Stanford University School of Medicine. He earned his bachelor of science degree from the California Institute of Technology in 1982 and his medical degree from the University of California at San Diego in 1987. He completed his residency and fellowship training at Stanford University Medical Center in 1992 and 1993, respectively.

He pioneered the use of helical CT and 3D visualization techniques for the assessment of vascular diseases in 1991 and has been at the forefront of this rapidly developing field ever since. He has served as the Chief of Cardiovascular Imaging in the Department of Radiology since founding the section in 2000.

His current research interests include developing an understanding of how arterial wall composition and biomechanics, genomic profiles, and serological markers are associated with various manifestations of atherosclerotic disease. He is currently the Principal Investigator of an NIH RO1, "Automated Detection of Lung Cancer" where he and his colleagues are developing methods for automated identification of lung nodules in CT data and assessing how computer assisted detection impacts radiologist diagnostic performance and efficiency. He has authored or co-authored over 100 peer-reviewed articles, two books, and 40 review articles and book chapters.

In addition to his work in the Department of Radiology, he is currently serving as Associate Dean for Clinical Affairs in the Stanford University School of Medicine.

Presidents of the Michigan Radiological Society

1921	Preston M. Hickey	1964	Herbert W. Devine
1922	R. E. Loucks	1965	Benjamin VanZwalenburg
1923	Willain A. Evans	1966	Bernard S. Kalayian
1924	George Chene	1967	Eugen L. Freitas
1925	Rollin Stevens	1968	William D. Cheney
1926	Lawrence Reynolds	1969	Ernest P. Griffin
1927	J. G. Kenning	1970	Maurice Tatelman
1928	H. P. Doub	1971	Kenneth L. Krabbenoft
1929	E. R. Witwer	1972	Raymond A. Gagliardi
1930	J. G. R. Stone	1973	E. Frederick Lang
1931	John T. Murphy	1974	Joseph O. Reed
1932	John T. Murphy	1975	Leo S. Fieiel
1933	C. K. Halsey	1976	Victor Curatolo
1934	C. E. Weaver	1977	Harold Perry
1935	E. G. Minor	1978	Albert MacPhail
1936	C. C. Birkelo	1979	John N. Wolf
1937	E. Walter Hall	1980	Robert N. Songe
1938	S. W. Donaldson	1981	Charles F. Krecke
1939	Henry Ulbrich	1982	David P. Corbett
1940	O. J. Shore	1983	Francis P. Shea
1941	Clarence Hufford	1984	Robert S. Ormond
1942	Vincent Joyhnson	1985	Richard T. Browne
1943	Traian Leucutia	1986	Frederick B. Watts
1944	Murray Goodrich	1987	William T. Lincer
1945	William Irwin	1988	George A. Kling
1946	H. A. Jarre	1989	Kay H. Vydareny
1947	L. F. Wilcox	1990	Richard P. Heuschele
1948	James E. Lofstrom	1991	Robert D. Steele, Jr.
1949	Joseph Grace	1992	Alan T. Hennessey
1950	William Evans	1993	Marvin Gordon
1951	Horace Porter	1994	Michael A. Sandler
1952	Reginald McGeoch	1995	Charles E. Mueller
1953	H. C. Jones	1996	Lawrence P. Davis
1954	James C. Cook	1997	Alkis P. Zingas
1955	Eugene M. Savignac	1998	James J. Karo
1956	Randall M. Cooley	1999	Robert Bree
1957	W. George Belanger		and Duane Mezwa
1958	Ivor D. Harris	2000	Duane Mezwa
1959	Roscoe C. Hildreth	2001	Burt T. Weyhing
1960	Fred K. Wietersen	2002	Hugh H. Kerr
1961	William P. Eyler	2003	Daniel B. Shumaker
1962	Jackson E. Lievsay	2004	N. Reed Dunnick
1963	John F. Holt	2005	Katharine A. Scharer

Hickey Memorial Lectures, *continued*

- 1997 **Ronald G. Evens** "Another Frontier for Radiology – Managed Care"
1998 **Murray Janower** "We are Radiologists"
1999 **Lawrence Muroff** "Restructuring Radiology Practice to Meet the Challenges of Managed Care"
2000 **Harvey Neiman** "Economics 101 on How to Thrive in Radiology in the Coming Years"
2001 **John A. Knot** "Year 2020 – It Was Called Radiology"
2002 **Edward V. Staab** "The Advent of Molecular Imaging on Oncology"
2003 **Michael P. Federle** "Liver Tumors: Current Challenges and Responsibilities for Radiologists"
2004 **Elliott Fishman** "The Cutting Edge of CT"
2005 **E. Stephen Amis, Jr.** "Self-Referral and Other Acute Issues in Radiology"
2006 **Geoffrey D. Rubin** "Cardiac CT: Clinical Opportunities, Practice Challenges"

Preston Manasseh Hickey, MD (1865 – 1930) received his AB degree at the University of Michigan and his MD from the Detroit College of Medicine in 1892. Although he began his career as a pathologist and otolaryngologist, he had a passion for amateur photography, and quickly realizing the tremendous potential of the x-ray in medicine, turned his attention to radiology. He became, in succession, the first Chairman of Radiology at Harper Hospital, Professor of Radiology at the Detroit College of Medicine (predecessor of the Wayne State University School of Medicine), and Chairman and Professor of Radiology at the University of Michigan. Doctor Hickey was the first President of the newly organized Detroit Roentgen Ray and Radium Society (forerunner of the Michigan Radiological Society) in 1921.

Doctor Hickey's multiple talents were apparent nationally as well as in our state. In 1906, the American Roentgen Ray Society authorized the establishment of the *American Quarterly of Roentgenology* (predecessor of the *American Journal of Roentgenology*) and appointed him as its first editor. He was President of the ARRS in 1907, and instrumental in establishing the Section on Radiology of the American Medical Association in 1925.

In 1937, the Wayne County Medical Society and Detroit X-ray Society decided to honor Doctor Hickey by dedicating the most important scientific program of the year to his memory; a tradition which has continued to this day. Preston Hickey will be remembered as a physician who played a major role in organizing our specialty, setting its standards, defining its terms and procedures, and most importantly of all, establishing its place as an independent medical discipline.

Raymond A. Gagliardi, MD

Hickey Memorial Lectures

- 1937 **A. W. Crane** "Early History of Electricity and Its Connection with the Development of the Roentgenogram"
- 1938 **George W. Holmes** "Hemoptysis and Its Significance from the Roentgenological Standpoint"
- 1939 **B. R. Kirklin** "Bleeding Lesions of the Gastrointestinal Tract; Their Roentgen Interpretation"
- 1940 **A. Christie** "Diagnosis and Treatment of Lesions of the Pharynx"
- 1941 **John T. Murphy** "The X-ray Treatment of Skin Cancer"
- 1942 **Eugene Pendergrass** "Some Considerations Concerning the Roentgen Diagnosis of Pneumoconiosis and Silicosis"
- 1943 **Cyrus C. Sturgis** "Some Changes Made in the Professional Care of Civilian Patients Due to War Conditions"
- 1944 **Joseph C. Bell & Gilbert W. Heublein** "Diagnostic Roentgenology in an Army General Hospital During the Present War"
- 1945 **John C. Barwell** "The Minimal Lesion"
- 1946 **A. C. Furstenberg** "Management of Impaired Hearing in General Practice of Medicine"
- 1947 **Edward Chamberlain** "X-ray Studies of Cardiovascular Function and Morphology"
- 1948 **Merrill C. Sosman** "Roentgenology in the Study of Heart Disease"
- 1949 **Leo G. Rigler** "Some Possibilities and Limitations of Roentgen Diagnosis"
- 1950 **Frederick Coller** "The Influences of Roentgenology on Abdominal Surgery"
- 1951 **Ralph Bromer** "The Contribution of Radiology to Pediatrics"
- 1952 **Kenneth J. Franklin** "Per Umbras et Images in Veritatem – A Physiologist's Acknowledgements to Radiology"
- 1953 **Clyde A. Stevenson** "The Development of the Colon Examination"
- 1954 **Lawrence Reynolds** "Bronchogenic Carcinoma"
- 1955 **Ross Golden** "Tumors of the Small Intestine"
- 1956 **Loyal Davis** "By Neurological Surgery, So to Speak, Out of Roentgenology"
- 1957 **John Caffey** "The Skeleton in Cooley's Anemia"
- 1958 **Reed M. Nesbit** "Urological Roentgenology: Some Clinical Applications"
- 1959 **Philip J. Hodes** "Physiologic Manifestations of Intracranial Disease"
- 1960 **Albert Jutras** "Hyperplastic Cholecystoses"
- 1961 **C. Allen Good** "Certain Vascular Abnormalities of the Lung"

Hickey Memorial Lectures, continued

- 1962 **Laurence L. Robbins** "Problems of Resident Education in Radiology"
- 1963 **Benjamin Felson** "Roentgenology of the Hila and Pulmonary Vessels"
- 1964 **Edward B. D. Newhauser** "The Adrenal in Infancy and Childhood"
- 1965 **Henry Kaplan** "Radiotherapy of Hodgkin's Disease"
- 1966 **Robert P. Branden** "Interpretation of the Radiologic Evidence in Disorders of the Lungs; or, Glimpses Through the Pulmonary Window"
- 1967 **Alexander Margulis** "New Special Approaches to the Examination of the Gastrointestinal Tract"
- 1968 **Felix G. Fleischner** "The Irritable Colon Syndrome and Diverticular Disease of the Colon"
- 1969 **Elias Theros** "The Value of Radiologic-Pathologic Correlation in the Education of Radiologists"
- 1970 **Henry N. Wagner, Jr.** "Current Research in Nuclear Medicine"
- 1971 **Elliott C. Lasser** "The Metabolic Basis of Contrast Material Toxicity: Status 1971"
- 1972 **William Seaman** "Motor Dysfunction of the GI Tract"
- 1973 **Guy D. Potter** "The Ear, The Surgeon, and The Radiologist"
- 1974 **Juan A. delRagato** "The Role of Radiotherapy in Urological Tumors"
- 1975 **Joseph P. Whalen** "Anatomy of the Colon: Guide to Intra-Abdominal Pathology"
- 1976 **Ronald G. Evens** "A New Frontier for Radiology-Computer Tomography"
- 1977 **Paul A. Riemenschneider** "Radiology Manpower Update – 1976: Shortage of Surgeit"
- 1978 **Gerald D. Dodd** "The Gastrointestinal Complications of Anti-Tumor Therapy"
- 1979 **Derek C. F. Harwood-Nash** "The Changing Facets of Spinal Radiography"
- 1980 **Walter M. Whitehouse** "The Changing Spectrum of Intrathoracic Disease"
- 1981 **Thomas Sos** "Interventional Radiology: Percutaneous Transluminal Angioplasty"
- 1982 **Eugene C. Klatte** "The Thoracic Aorta in Health and Disease"
- 1983 **John A. Kirkpatrick** "Spectrum of Pulmonary Sequestrations"
- 1984 **A. Everette James** "New Medical Technology in a Societal Context"
- 1985 **Jack Edeiken** "Benign Bone Lesions Simulating Malignancies"
- 1986 **Kurt Amplatz** "Angiography – What It Used to Be"
- 1987 **Alexander R. Margulis** "The Future of Magnetic Resonance Imaging"
- 1988 **E. Robert Heitzman** "The Connective Tissue Planes of the Medistinum"
- 1989 **John Tampas** "Governmental Impact in Radiological Practice"