International Symposium: The Biology Of Pyelonephritis
INTERNATIONAL SYMPOSIUM
THE BIOLOGY OF PYELONEPHRITIS

October 8, 9, 10, 1959

The professional staff of the Henry Ford Hospital with the initial advice and support of the Board of Trustees and Dr. Robin C. Buerki, Executive Director, of the Henry Ford Hospital, is sponsoring an international symposium on the subject, The Biology of Pyelonephritis. This symposium will be held at the Henry Ford Hospital, October 8, 9, 10, 1959, in the Clinic Auditorium. The preliminary program follows and has been prepared with the help of the advisory members:

PROGRAM COMMITTEE

ADVISORY MEMBERS:

Chairman
Edward H. Kass
Associate Professor of Bacteriology and Immunology, Harvard Medical School.

Paul B. Beeson
Ensign Professor of Medicine, Yale Univ. School of Medicine.

Maxwell Finland
Associate Professor of Medicine, Harvard Medical School.

George Gee Jackson
Associate Professor of Medicine, University of Illinois College of Medicine.

Gilbert H. Mudge
Professor of Pharmacology & Experimental Therapeutics School of Medicine, Johns Hopkins University.

Reed M. Nesbit
Professor of Surgery, University of Michigan Medical School.

LOCAL MEMBERS:

Chairman
Edward L. Quinn
Division of Infectious Diseases, Henry Ford Hospital.

Secretary
Robert C. Horn, Jr.
Department of Laboratories, Henry Ford Hospital.

A. Waite Bohne
Division of Urology, Henry Ford Hospital

James M. Colville
Division of Infectious Diseases, Henry Ford Hospital.
PATHOGENESIS OF PYELONEPHRITIS

Chairman: Paul B. Beeson, Yale University, New Haven

9:10 Bacteriology and Pathogenesis of Pyelonephritis
R. H. Gorrill, Guy's Hospital Medical School, London, England

9:30 Observations on the Pathogenesis of Chronic Nonobstructive Urinary Tract Infection in the Rat
Lucien B. Guze, Veterans Administration Center, Los Angeles, Calif.

9:40 Ascending Pyelonephritis Consequent to the Production of Bacteriuria in the Rat
Ennio C. Vivaldi, Boston City Hospital, Boston, Massachusetts

9:50 The Course of Experimental Retrograde Infection of the Nonobstructed Urinary Tract
William R. McCabe, University of Illinois, Chicago, Illinois

10:00 General Discussion

10:40 Relationship of Renal Toxicity of Drugs to Pyelonephritis
Hans U. Zollinger, Institute of Pathology, St. Gallen, Switzerland

11:00 The Role of Bacterial Enzymes in the Pathogenesis of Pyelonephritis
Abraham I. Braude, University of Pittsburgh, Pittsburgh, Pa.

11:20 Obstruction in the Etiology of Pyelonephritis
David M. Davis, Haverford, Pennsylvania

11:40 Discussion Designated
Herbert S. Talbot, Veterans Administration Hospital, West Roxbury, Massachusetts

11:45 General Discussion

12:15 Summation
Paul B. Beeson, Yale University, New Haven, Conn.

12:30 Luncheon
Biology of Pyelonephritis

First Afternoon Session — Thursday, October 8, 1959

STRUCTURE AND FUNCTION OF THE KIDNEY
Chairman: Gilbert H. Mudge, Johns Hopkins University, Baltimore

2:00 P.M. Cytochemical and Electron Microscopic Studies of the Rat Kidney
Alex B. Novikoff, Albert Einstein College of Medicine, N. Y., N. Y.

2:30 Discussion Designated
Robert M. Kark, University of Illinois, Chicago, Illinois

2:40 General Discussion

3:00 Intermission

3:15 A General Survey of Localization of Function Within the Nephron
Robert W. Berliner, National Heart Institute, Bethesda, Maryland

3:35 Morphologic Expression of Functional Changes in the Normal Nephron
E. M. Darmady, Central Laboratory, Portsmouth, England

3:55 Morphologic Expression of Functional Changes in the Abnormal Nephron
Jean Oliver, The Renal Research Unit, Summit, New Jersey

4:15 Intrarenal Pressures
Carl W. Gottschalk, University of North Carolina, Chapel Hill, N. C.

4:35 Pyelovenous Communications
Rafael Dominguez, St. Luke’s Hospital, Cleveland, Ohio

4:45 General Discussion

5:15 Summation
Gilbert H. Mudge, Johns Hopkins University, Baltimore, Maryland

First Evening Session — Thursday, October 8, 1959

THE RENAL LESION IN PYELONEPHRITIS
Chairman: Robert C. Horn, Henry Ford Hospital, Detroit

8:00 P.M. Significance and Specificity of the Renal Lesion in Pyelonephritis
Paul Kimmelstiel, Milwaukee County Hospital, Milwaukee, Wisconsin

8:20 Recognition of Pyelonephritis in Renal Biopsies
Claus Brun, Central Clinical Laboratory, Copenhagen, Denmark

8:40 Discussion Designated
Conrad L. Pirani, University of Illinois, Chicago, Illinois

8:50 Evolution of the Experimentally Produced Pyelonephritis Lesion
Robert H. Heptinstall, St. Mary’s Hospital, London, England

9:10 Hereditary Chronic Nephritis
Gerald T. Perkoff, University of Utah, Salt Lake City, Utah

9:20 General Discussion
International Symposium

Second Morning Session — Friday, October 9, 1959

FUNCTIONAL DISTURBANCES ASSOCIATED WITH PYELONEPHRITIS

Chairman: Louis G. Welt, University of North Carolina, Chapel Hill

9:00 A.M.  Mechanism of Urinary Acidification

Robert F. Pitts, Cornell University Medical College, New York, N. Y.

9:20  Concentrating Mechanisms in the Kidney

Heinrich Wirz, University of Basel, Basel, Switzerland

9:40  The Pathology of the Medulla in Relationship to Loss of Concentrating Power in Some Experimental and Clinical Diseases of the Kidney

Franklin H. Epstein, Yale University, New Haven, Connecticut

9:50  General Discussion

10:25  Intermission

10:40  Early Evidence of Renal Dysfunction in Pyelonephritis with some Remarks on the Pathogenesis of the Pyelonephritic Contracted Kidney

Jan Brod, Institute for Cardiovascular Research, Prague, Czech.

11:00  Early Evidence of Renal Dysfunction in Pyelonephritis

Neal S. Bricker, Washington University, St. Louis, Missouri

11:10  Acute Urinary Tract Infection — A Long-Term Study

Lawrence R. Freedman, Yale University, New Haven, Connecticut

11:20  Some Clinical Aspects of Chronic Pyelonephritis

Aronld S. Relman, Boston University, Boston, Massachusetts

11:30  General Discussion

12:05  Summation

Louis G. Welt, University of North Carolina, Chapel Hill, N. C.

12:30  Luncheon

Second Afternoon Session — Friday, October 9, 1959

THE MICROFLORA IN PYELONEPHRITIS

Chairman: George G. Jackson, University of Illinois, Chicago

2:00 P.M.  Chairman’s Remarks

2:10  Taxonomy of the Various Groups of Enteric Bacteria

Philip R. Edwards, Communicable Disease Center, Chamblee, Georgia

2:30  Discussion Designated

Erwin Neter, Children’s Hospital, Buffalo, New York

2:40  The Bacterial Flora of the Urinary Tract

Ellard M. Yow, Baylor University, Houston, Texas
**Biology of Pyelonephritis**

3:00 P.M.  The Role of Asymptomatic Bacteriuria in the Natural History of Pyelonephritis  
*Edward H. Kass,* Harvard Medical School, Boston, Massachusetts

3:20  Bacteriuria — The Incidence in 5000 Cases Studied  
*William Schwartz,* Tufts University, Boston, Massachusetts

3:30  Natural Inhibitors of Bacterial Multiplication  
*Derrick Rowley,* St. Mary's Hospital Medical School, London, England

3:50  The Role of Natural Inhibitors in the Mechanisms of Localization of Bacteria in the Kidney  
*Paul B. Beeson,* Yale University, New Haven, Connecticut

4:00  Intermission

4:15  The Lymphatics and their Relationship to Infection  
*John J. Murphy,* University of Pennsylvania, Philadelphia, Penn.

4:25  The Relationship of Instrumentation to Infection  
*Reed M. Nesbit,* University of Michigan, Ann Arbor, Michigan

4:35  General Discussion

5:05  Summation  
*George G. Jackson,* University of Illinois, Chicago, Illinois

**Second Evening Session — Hotel Statler — Friday, October 9, 1959**

6:30  Reception

7:30  Banquet Address  
*Maurice B. Strauss,* Veterans Administration Hospital, Boston, Mass.

**Third Morning Session — Saturday, October 10, 1959**

RELATIONSHIP OF PYELONEPHRITIS TO OTHER CLINICAL STATES  
**Chairman:** *Maurice B. Strauss,* Veterans Administration Hospital, Boston

9:00 A.M.  Clinical Studies on Relationship of Pyelonephritis to Hypertension  
*Hans G. Grieble,* University of Illinois, Chicago, Illinois

9:10  Morphologic Studies on Relationship of Pyelonephritis to Hypertension  
*Sheldon C. Sommers,* Massachusetts Memorial Hospitals, Boston, Mass.

9:20  Mechanisms of Nephrogenic Hypertension  
*Irvine H. Page,* Cleveland Clinic, Cleveland, Ohio

9:40  General Discussion

10:00  Intermission

10:15  Inborn Errors of Tubular Dysfunction  
*C. E. Dent,* University College Hospital Medical School, London, Eng.
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10:35 A.M. Mucosubstances in the Urine
William H. Boyce, Wake Forest College, Winston-Salem, N. C.

10:55 Renal Mechanisms and Hematopoiesis
Leon O. Jacobson, University of Chicago, Chicago, Illinois

11:05 Relationship of Potassium Depleted Kidney to Pyelonephritis
Robert C. Muehrcke, Presbyterian — St. Luke's Hospital, Chicago, Ill.

11:15 General Discussion

11:50 Summation
Maurice B. Strauss, Veterans Administration Hospital, Boston, Mass.

12:30 Luncheon

Third Afternoon Session — Saturday, October 9, 1959

TREATMENT OF PYELONEPHRITIS

Chairman: Maxwell Finland, Harvard Medical School, Boston

2:00 P.M. Antibiotics as Inhibitors of Bacterial Cell Wall Synthesis
Jack L. Strominger, Washington University, St. Louis, Missouri

2:30 Restrictions Imposed by Renal Failure on the Use of Antibiotics in Patients with Pyelonephritis
Calvin M. Kunin, Thorndike Memorial Laboratory, Boston, Mass.

2:45 Patterns of Antibiotic Absorption and Excretion
James M. Colville, Henry Ford Hospital, Detroit, Michigan

2:55 Renal Toxicity of Chemotherapeutic Agents
Charles R. Kleeman, Veterans Administration Center, Los Angeles, California.

3:05 Intermission

3:10 Therapy of Experimental Pyelonephritis
Myron W. Fisher, Research Laboratories, Parke, Davis & Co., Detroit, Michigan

3:20 Long-Term Therapy of Pyelonephritis
Edward H. Kass, Harvard Medical School, Boston, Massachusetts

3:40 The Present Status of Chemotherapy of Pyelonephritis
Maxwell Finland, Harvard Medical School, Boston, Massachusetts

4:00 General Discussion

4:25 Summation of Symposium
Edward H. Kass, Harvard Medical School, Boston, Massachusetts

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