

IN VITRO STUDIES OF HUMAN LYMPHOCYTES: PART II

"Mixed Lymphocyte Culture and Histocompatibility" — with Kurt Hirschhorn, M.D., Professor of Pediatrics and Chief, Division of Medical Genetics, Mount Sinai School of Medicine.

(15 minutes).

0903213

MULTIPLE MYELOMA: A CONTROLLABLE DISEASE, with Raymond Alexanian, M.D., Associate Professor of Medicine, University of Texas, M.D. Anderson Hospital and Tumor Institute, Houston. In three patients, Doctor Alexanian points out the clinical and laboratory abnormalities in multiple myeloma along with the tests needed to confirm the diagnosis.

(17 minutes) (in color)

1322055

OBTAINING AND CULTURING LEUKOCYTES FOR CHROMOSOME ANALYSIS

Demonstrating a simple method of obtaining chromosomes for study and analysis — with LCDR Thomas R. Birdwell, MC, U.S.N., Head, Cytogenetics Division, Department of Pathology, U.S. Naval Hospital, San Diego, Calif.

(15 minutes).

1503402

REGULATION OF BLOOD FLOW BY THE CAPILLARY. A challenge to the theory that blood flow is regulated by the smooth muscle of the arterioles is presented by Simon Rodbard, M.D., Chief of Cardiology, City of Hope Medical Center, Duarte, California. By means of the "capillaron," a mechanical device that he has constructed to show a "packet" of cells supplied by one or more capillaries, he offers the point of view that regulation of blood flow and perfusion of the tissues are controlled at the capillary level.

(13 minutes).

1805208

RH DISEASE — PART I — PREVENTION. Anti D gamma globulin, an antigen which has proved successful in preventing Rh sensitization in pregnant women, is described by Edward T. Bowe, M.D., Instructor, Obstetrics and Gynecology, College of Physicians and Surgeons, Columbia University, New York.

(15 minutes).

1805618

RH DISEASE — PART II — MANAGEMENT — AMNIOCENTESIS. Edward T. Bowe, M.D., Instructor, Obstetrics and Gynecology, College of Physicians and Surgeons, Columbia University, discusses the etiology, incidence, and diagnosis of Rh immunization, with particular emphasis on the usefulness of amniocentesis in management of the disease. (15 minutes).

1805719

RH DISEASE — PART III — MANAGEMENT — INTRAUTERINE TRANSFUSION. The intraperitoneal infusion of O neg. red cells to an Rh positive fetus is "not an occasional procedure" and demands an obstetric team skilled in the technique, according to Edward T. Bowe, M.D., Instructor, Obstetrics and Gynecology, College of Physicians and Surgeons, Columbia University. The intrauterine procedure is demonstrated in this telecast, and Dr. Bowe also covers the criteria for selecting patients, the risk to the fetus, and the over-all rates of success of the procedure compiled from several U.S. hospitals.

(10 minutes).

1805820

SICKLE-CELL ANEMIA: MANAGEMENT, with Roland B. Scott, M.D., Professor and Head of the Department of Pediatrics, Howard University, and Chief Pediatrician at Freedmen's Hospital in Washington, D.C.

There is no curative treatment for sickle-cell anemia, according to Dr. Scott. However, early diagnosis of the disease, which afflicts more than 50,000 black Americans, can ameliorate the most disturbing symptoms. Dr. Scott describes the therapeutic program he follows to enhance survival until the patient reaches puberty — when the natural course of the disease process appears to become attenuated.

(14 minutes) (in color)

1911506

SICKLE-CELL ANEMIA: SUSPICION AND DIAGNOSIS IN INFANTS AND CHILDREN, with Roland B. Scott, M.D., Professor and Head of the Department of Pediatrics, Howard University, and Chief Pediatrician at Freedmen's Hospital in Washington, D.C. Also V. Bushan Bhardwaj, M.D., Assistant Professor of Pediatrics, Howard University, and Pediatric Hematologist, Freedmen's Hospital.

Sickle-cell anemia afflicts more than 50,000 Americans of African descent. Perhaps another two million Americans carry the trait.

Until recently, it was believed that little could be done for the disease. Now relief from the symptoms and a prolonging of life are possible. This telecast features the characteristics of the disease, and the laboratory procedure followed to establish a conclusive diagnosis.

(20 minutes) (in color)

1911407

STRUCTURE AND FUNCTION OF IMMUNOGLOBULINS, with Edward C. Franklin, M.D., Assistant Professor of Medicine, New York University Medical Center. (15 minutes).

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