

CHROMOSOMES BY MAIL

As an alternative to the time-consuming and costly practice of transporting the patient to the testing center, there is now a practical method for shipping blood specimens over long distances for the leukocyte chromosome culture and chromosome analysis. LCDR Thomas R. Birdwell, MC, U.S.N., Head, Cytogenetics Division, U.S. Naval Hospital, San Diego, Calif., demonstrates the technique.

(11 minutes).

0303810

CONTROL OF HEMOGLOBIN SYNTHESIS IN THE CHICK BLASTODERM — PART I — Preparation of the experimental model with Richard D. Levere, M.D., Assistant Professor of Medicine, Downstate Medical Center, State University of New York. (17 minutes).

0302946

CONTROL OF HEMOGLOBIN SYNTHESIS IN THE CHICK BLASTODERM — PART II — "The Effect of Delta Aminolevulinic Acid" — with Richard D. Levere, M.D., Assistant Professor of Medicine, Downstate Medical Center, State University of New York. (15 minutes).

0303047

CONVERSATION WITH GEORGES MATHÉ: IMMUNOLOGICAL APPROACH TO THE TREATMENT OF LEUKEMIA, with Professor Georges Mathé, Director, Institut de Cancérologie et d'Immunogénétique, Hôpital Paul-Brousse, Villejuif, France; and Ernest H. Rosenbaum, M.D., Director Medical Cancer Service, and Director, Immunological Research of Mt. Zion Hospital in San Francisco.

NCME has videotaped several hours of candid conversation with French professor Georges Mathé, noted for his innovations in treating leukemia. In this telecast, Professor Mathé describes how his active immunotherapy differs from conventional leukemic therapy.

(17 minutes).

0312948

FINGERPRINTING MYOCARDIAL INFARCTION SERUM ENZYMES. How serum enzyme analysis is used to increase diagnostic accuracy and what prognostic data are furnished are demonstrated by John S. Ladue, M.D., Ph.D., Assistant Professor of Clinical Medicine, Cornell University School of Medicine, New York.

(15 minutes).

0608104

GROWTH AND DIFFERENTIATION OF HUMAN LYMPHOCYTES: PART I

"Nucleic Acid Synthesis." Arnold D. Rubin, M.D., Associate in Medicine, Mount Sinai School of Medicine, demonstrates the techniques for extracting nucleic acid from lymphocytes, focusing on RNA metabolism. (19 minutes).

0703912

GROWTH AND DIFFERENTIATION OF HUMAN LYMPHOCYTES: PART II, ABNORMAL NUCLEIC ACID SYNTHESIS IN LEUKEMIA

Arnold D. Rubin, M.D., Associate in Medicine, Mount Sinai School of Medicine, New York, conducts an investigation of abnormal growth patterns of lymphocytes taken from patients with lymphoproliferative disorders.

(20 minutes).

0704713

HEMODYNAMICS — AN INSTRUCTIONAL DEVICE. A mechanical model of the cardiovascular system is demonstrated and discussed by Simon Rodbard, M.D., Chief of Cardiology, City of Hope Medical Center, Duarte, California. Designed by Dr. Rodbard as a teaching aid, the machine simulates normal blood flow, and, by opening or closing the appropriate valves, demonstrates cardiovascular dysfunction, as well.

(15 minutes).

0805303

HOME TRANSFUSION FOR HEMOPHILIA PATIENTS, with S. Frederick Rabiner, M.D., Director of the Clinical Hematology Unit, Michael Reese Hospital and Medical Center, Chicago; and Associate Professor of Medicine at the University of Chicago Pritzker School of Medicine. Hemophilia patients can be administered anti-hemophilic factor by trained relatives in the home, on vacation — almost anywhere. This is the experience of a three-year program at Michael Reese Hospital. The program, the training for relatives and the results are discussed and shown in this telecast. (20 minutes) (In color).

0813117

HUMAN CYTOGENETICS

"Indications for Cytogenetic Testing" — LCDR Thomas R. Birdwell, MC, U.S.N., Head, Cytogenetics Division, U.S. Naval Hospital, San Diego, Calif., presents some of the indications for primary amenorrhea, investigation of female and male sterility, differential diagnosis of congenital defects in the newborn, differential diagnosis of chronic myelocytic leukemia, investigation of intersex, family counseling, and genetic prognosis. (14 minutes).

0803707

IDENTIFICATION AND GROUPING OF CHROMOSOMES

LCDR Thomas R. Birdwell, MC, U.S.N., Head, Cytogenetics Division, Department of Pathology, U.S. Naval Hospital, San Diego, Calif., discusses the features of the model chromosome and then demonstrates the technique of identifying and grouping chromosomes in karyotypes.

(16 minutes).

0903501

IN VITRO STUDIES OF HUMAN LYMPHOCYTES — PART I — "Lymphocyte Culture and Response to Antigens" — with Kurt Hirschhorn, M.D., Professor of Pediatrics and Chief, Division of Medical Genetics, Mount Sinai School of Medicine.

(19 minutes).

0903112