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ABSTRACT

This catalog lists 27 audiovisual programs produced by the Department of Medical Communications of the University of Texas M. D. Anderson Hospital and Tumor Institute for public distribution. Video tapes, 16 mm. motion pictures and slide/audio series are presented dealing mostly with cancer and related subjects. The programs are intended for in-house hospital staff or other professional audiences. Each program is described and an abstract of the material given. Information for obtaining the audiovisual programs is included. (RB)

THE UNIVERSITY OF TEXAS AT HOUSTON

M. D. Anderson Hospital & Tumor Institute

A U D I O V I S U A L C A T A L O G

Department of Medical Communications
THE UNIVERSITY OF TEXAS AT HOUSTON
M. D. Anderson Hospital & Tumor Institute
Texas Medical Center, Houston, Texas 77025

I N T R O D U C T I O N

The University of Texas M. D. Anderson Hospital and Tumor Institute at Houston is pleased to make available on a rental basis audiovisual materials produced by its Department of Medical Communications. These include 16mm motion pictures, video tapes, and slide/audio tape series. Most of the titles listed herein are programs on cancer and cancer-related subjects produced primarily for in-house use by the hospital staff. Unless otherwise indicated, programs are intended for viewing by professional audiences only.

The motion pictures listed are standard 16mm with optical sound. The make and model of video tape recorder is indicated for each videotaped program; a configuration other than that listed is not available. Slide/tape series consist of 35mm slides and 1/4" audio tape recorded at 3 3/4" per second.

Requests for programs should include number and title, name of person in charge of showing, date of showing (please indicate two alternate dates), and mailing address. Please allow at least three weeks for your order to be filled. Unless otherwise indicated, programs may be kept by the borrower for two weeks, not including return shipping time of one week. There will be an additional charge for materials kept longer than two weeks. The return (Library Rate--5¢ for the first pound and 2¢ for each additional

pound or fraction) is at the expense of the borrower, and we ask that the materials be insured as follows: motion pictures and video tapes--$100.00; slide/tape series--$50.00.

Address all orders to:

Audiovisual Library
Department of Medical Communications
The University of Texas at Houston
M. D. Anderson Hospital & Tumor Institute
Texas Medical Center
Houston, Texas 77025

TITLE & NUMBER: FUNDAMENTALS OF ANALYTICAL CLINICAL CHEMISTRY
PA-2

SERIES LENGTH: 7 hours

LECTURER: HENRY OSCAR NICHOLAS, Ph.D - Chemistry
Oberlin College B.S., 1919
Yale University Ph.D., 1923
Associated with Rice University Chemistry Department since 1920.
Professor Emeritus of Chemistry, Rice University
Associated with Hermann Hospital, Clinical Chemistry from 1925 to present.

ABSTRACT: This series of seven one-hour lectures was originally presented to a group of medical technology students as a formal course. Dr. Nicholas reviews with the basic chemical calculations which medical technologists are called upon to use routinely. This series may be used as an actual course, and two examinations covering the material presented are available upon request.

The entire course or selected lectures would be of value and interest to medical technologists and medical technology students, residents in clinical pathology, and advanced college chemistry students; it is a good review for anyone in biochemical fields. A detailed description of each lecture follows in the "Series Index."

PRODUCER: MDA-TV

SPONSOR/CREDIT: School of Medical Technology
The University of Texas at Houston
M. D. Anderson Hospital and Tumor Institute
and
School of Medical Technology
Hermann Hospital

TECHNICAL INFORMATION:

Medium: video tape recording (Ampex 660B), b&w

Produced: 1968

Rental Fee: $7.00 per lecture
Overtime Charge: $3.50 per lecture per week

TITLE & NUMBER: FUNDAMENTALS OF ANALYTICAL CLINICAL CHEMISTRY - PA-2

SERIES INDEX

INTRODUCTION: (PA-2-A)
The techniques in analytical chemistry (gravimetric and volumetric) are the basic fundamentals of all clinical chemistry techniques utilized in the medical laboratory. Clinical chemistry techniques require the knowledge of organic chemistry and physical chemistry measurements. Dr. Nicholas gives a brief history of progress related to instruments used in analytical clinical chemistry. He stresses that colorimetry, use of color for measurement, is used in 90% of all determinations.

LECTURE I: (PA-2-A)
Chemistry of Solutions: defines density, specific gravity, per cent solutions, methods of preparing (weight-weight, weight-volume; volume-volume, volume-weight), saturated solutions. Cautions about compounds which are *anhydrous* or *hydrous* when preparing solutions. Introduction to standard solutions--two types: defines molar and normal.

LECTURE II: (PA-2-B)
Standard Solutions of Analytical Chemistry--Acids: Molar and normal solutions. Explains fundamental formula for preparing and using normal solutions. Stresses ionization and valence. Defines valence of a chemical compound, gives example problem with H_2SO_4, and explains process of standardization. Sulfuric Acid Solution: a primary standard, why a primary standard, and importance in clinical laboratory.

LECTURE III: (PA-2-C)
Standard Solutions of Analytical Chemistry--Bases: Preparation and standardization of solution of NaOH (Sodium Hydroxide). Titration procedure to balance with H_2SO_4 solution. Other systems involving standard solutions: importance of knowing valence, or how the compound will act under certain conditions. System: oxidation/reduction ("Redox" 2 systems) - (1) permanganimetric analysis: titration procedure, balanced with oxalic acid [or sodium oxalate]; (2) iodimetric analysis: use of iodine in a quantitative volumetric procedure; free iodine will react with sodium thio-sulfate to form sodium iodide and sodium tetra-thionate.

Any substance that can release free iodine from potassium iodide can be determined by iodimetric titration. Iodimetric titration is the most universal of all of the oxidation/reduction determinations and volumetric analysis in general.

LECTURE IV: (PA-2-D)

Dynamic Equilibrium: defines and illustrates ionization of H_2O as basis of all pH measurements. Law of Mass Action: ionization constant derivation of Sorensen notation for pH. "pH is the log of the reciprocal of H^+ion concentration in moles per liter." pH really measures "activity" of H^+ rather than concentration. Ionization Constant (K_w) Detail: discussion in determining K_w. pH definition: detailed discussion of pH system and activity. How to change and produce pH values.

LECTURE V: (PA-2-E)

pH System and Activity (cont.): using combinations of salts to get solutions of various pH values. Discusses and illustrates double dynamic equilibrium. Buffers: defines and illustrates how to make a buffer. How to determine pH values: (1) Colorimetric (details of system and use); (2) Electrometric: evolution of the pH meter (description of parts, construction, voltage). Compare with automobile battery. Calomel cell: description and illustration of construction and utilization.

LECTURE VI: (PA-2-F)

Nernst(1889) Equation of Voltage: use and application of equation. Use and application of buffer solution (use of a weak acid).

LECTURE VII: (PA-2-G)

Henderson-Hasselbalch Equation: derivation, calculations of pK value. Problems related to determination of pK value.

TITLE & NUMBER: PLATELET PLASMAPHERESIS - PA-1

PROGRAM LENGTH: 10:21 min.

ABSTRACT: Although leukemia is still an almost always fatal disease, platelet transfusions are helping to prolong lives by depressing internal bleeding. This program illustrates how platelets are used in cancer therapy and how they are collected from donors in the hospital blood bank. It is especially effective in introducing prospective donors to platelets--what they are, how they are collected from the blood, and how they are used in cancer therapy.

PRODUCER: MDA-TV

SPONSOR/CREDIT: Department of Pathology
The University of Texas at Houston
M. D. Anderson Hospital and Tumor Institute

TECHNICAL INFORMATION:

Medium: video tape recording (Ampex 660B), b&w

Produced: 1968

Rental Fee: $4.00
Overtime Charge: $3.50/week

TITLE & NUMBER: THE GENERAL PRACTITIONER IN MAXILLOFACIAL PROSTHETICS
RMF-1

PROGRAM LENGTH: 12:30 min.

PARTICIPANTS: JOE B. DRANE, D.D.S.
Director, Regional Maxillofacial Restorative Center

VICTOR MATALON, D.D.S.
Assistant Professor, Maxillofacial Prosthetics

JAMES W. ORR, D.D.S.
The University of Texas Dental Branch

GEORGE W. WALKER, D.D.S.
The University of Texas Dental Branch

ABSTRACT: Information about the maxillofacial patient is becoming increasingly pertinent to the general practitioner in dentistry as some of the care of the patient is beginning to be handled on the local level.

Addressed to the general practitioner, this presentation answers a number of questions about the relatively new field of maxillofacial prosthetics. Primarily, however, the program explains the need for the hometown dentist to become an integral part of the total health team in contributing to the treatment, care and rehabilitation of the maxillofacial patient.

PRODUCER: MDA-TV

SPONSOR/CREDIT: The University of Texas at Houston
Dental Branch
and
M. D. Anderson Hospital and Tumor Institute

TECHNICAL INFORMATION:

Medium: video tape recording (Ampex 660B) b&w

Produced: 1970

Rental Fee: $4.00
Overtime Charge: $2.00 per week

TITLE & NUMBER: BREAKTHROUGH ESP-1 VIRUS--V-6

PROGRAM LENGTH: 27 min.

PARTICIPANTS: LEON DMOCHOWSKI, M.D.
Head, Department of Virology

ELIZABETH PRIORI, Ph.D.
Assistant Professor of Virology

JAMES M. BOWEN, Ph.D.
Associate Professor of Virology

ABSTRACT: Directed to the lay public as well as to medical and paramedical personnel, this program is an explanation of the significance of recent research achievements in isolating human cancer viruses in experiments.

PRODUCER: Department of Medical Communications
The University of Texas at Houston
M. D. Anderson Hospital and Tumor Institute

SPONSOR/CREDIT: Department of Medical Communications
The University of Texas at Houston
M. D. Anderson Hospital and Tumor Institute

TECHNICAL INFORMATION:

Medium: video tape recording (Ampex 660B) b&w

Produced: 1971

Rental Fee: $4.00
Overtime Charge: $2.00 per week

TITLE & NUMBER: REPLICATION OF RNA - CMS-2

PROGRAM LENGTH: 65 min.

PARTICIPANTS:

ARTHUR I. HOLLEB, M.D. - Moderator
Former Associate Director (Education)
M. D. Anderson Hospital and Tumor Institute

SOL SPEIGELMAN, Ph.D.
Professor of Microbiology
University of Illinois
Urbana, Illinois

ABSTRACT: The presentation of the Bertner Foundation Award for outstanding achievement in the field of cancer research occurred as part of the Twenty-second Annual Symposium on Fundamental Cancer Research, March, 1968. The award recipient, Dr. Speigelman, delivers a lecture in which he discusses his research and discoveries with RNA and DNA.

PRODUCER: MDA-TV

SPONSOR/CREDIT: Office of Education
The University of Texas at Houston
M. D. Anderson Hospital and Tumor Institute

TECHNICAL INFORMATION:

Medium: video tape recording (Ampex 660B), b&w

Produced: 1968

Rental Fee: $ 7.00
Overtime Charge: $ 3.50 per week

TITLE & NUMBER: IATROGENIC DISEASE: ADVERSE DRUG REACTIONS - CMS-11

PROGRAM LENGTH: 43 min.

PARTICIPANTS: STEWART A. WILBER, M.D. - Moderator
Department of Surgery

JAMES K. LUCE, M.D.
Department of Developmental Therapeutics
"The Clinical Potential for Interaction of Chemotherapeutic Agents with Other Drugs"

RICHARD ZEPERNICK, M.D.
Anesthesiologist - Mercy Hospital
New Orleans, Louisiana
"Untoward Responses Due to Interaction of Drugs During Anesthesia and Surgery"

ABSTRACT: One of a series of monthly staff seminars videotaped for retention for the Tenth International Cancer Congress, May, 1970. This program probes in depth the history of the blessings and hazards of drugs, modern problems in reporting adverse drug reactions. It also includes an in-depth discussion of enzyme induction with emphasis on new concepts of drug interactions and/or therapeutic ineffectiveness and an anesthesiologist's review of some of the common drug classes that cause reactions and some of the dynamics of these reactions.

PRODUCER: MDA-TV

SPONSOR/CREDIT: Office of Education
The University of Texas at Houston
M. D. Anderson Hospital and Tumor Institute

TECHNICAL INFORMATION:

Medium: video tape recording (Ampex 660B), b&w

Produced: 1969

Rental Fee: $7.00
Overtime Charge: $3.50/week

TITLE & NUMBER: INTRODUCTION TO RADIOGRAPHY - DR-1

PROGRAM LENGTH: 37 min.

NARRATOR: ARNOLD M. GOLDMAN, M.D.
Department of Diagnostic Radiology

ABSTRACT: A brief discussion of elements of basic physics and the production of x-rays is followed by a description of equipment used in a radiology department--tubes, film, screens, grids, image intensifiers, etc. In addition, a discussion of image formation based on varying densities of the human body is presented.

Suitable for medical students and as an initial introduction for radiology residents and radiologic technology students.

PRODUCER: MDA-TV

SPONSOR/CREDIT: Department of Diagnostic Radiology
The University of Texas at Houston
M.D. Anderson Hospital and Tumor Institute

TECHNICAL INFORMATION:

Medium: video tape recording (Ampex 660B) b&w

Produced: 1971

Rental Fee: $4.00
Overtime Charge: $2.00 per week

TITLE & NUMBER: RADIATION PROTECTION - ST60-1

PROGRAM LENGTH: 40 min.

ABSTRACT: A series of 86 color slides and taped lecture by William C. Dewey, Ph.D., presented for personnel working in a hospital which uses radioactive isotopes, including radium. Radiation and radioactivity are explained and defined, and the principles of protection are outlined. The examples presented are directed toward the use of radioactive isotopes in a hospital.

PRODUCER: Department of Medical Communications
M. D. Anderson Hospital

SPONSOR/CREDIT Department of Physics
Department of Nursing
Department of Medical Communications
The University of Texas at Houston
M. D. Anderson Hospital & Tumor Institute

TECHNICAL INFORMATION:

Medium: 2x2 slides & magnetic recording tape (3&3/4 ips)

Produced: 1960

Rental Fee:$2.00

TITLE & NUMBER: THE FAMILY TREE: CANCER GENETICS - MP68-3

PROGRAM LENGTH: 25min.

ABSTRACT: The early and accurate diagnosis of a chronic disease, especially cancer, is a responsibility which all physicians feel deeply. This program illustrates the importance of the role of the general practitioner in early detection of cancer, particularly in regard to those malignant neoplasms with a classical hereditary etiology.

The problem of hereditary cancer is being studied at institutions such as The University of Texas M. D. Anderson Hospital and Tumor Institute at Houston, where scientists and researchers study the genetic characteristics of numerous cancers through pedigree analysis. As the program demonstrates, genetic knowledge can help in early cancer detection in certain "hereditary" cancers, such as the nevoid basal cell carcinoma syndrome, von Recklinghausen's neurofibromatosis, familial polyposis coli, and many others.

Field trips for cancer genetic studies are an innovation that have proven useful at the M. D. Anderson Hospital. This cooperative effort between the investigating team and the local physician pays dividends to researchers, physicians, and patients. The final part of the program shows a typical field trip to a small Texas town where an alert general practitioner has found early signs of hereditary cancer. And the importance of the information gathered by the multi-disciplined team is emphasized.

PRODUCER: Department of Medical Communications
M. D. Anderson Hospital and Tumor Institute

SPONSOR/CREDIT: The University of Texas at Houston
M. D. Anderson Hospital and Tumor Institute,
and The Sid W. Richardson Foundation

TECHNICAL INFORMATION:

16mm motion picture, optical sound, color

Produced: 1967

Rental Fee: $4.00

TITLE & NUMBER: LEFT NECK DISSECTION & THYROIDECTOMY - S-11

PROGRAM LENGTH: 41 min.

SURGEON & NARRATOR: A. J. BALLANTYNE, M. D.
Department of Surgery

ABSTRACT: The surgeon reviews the steps of neck dissection, the second such surgical procedure for this patient. A previous right neck dissection and partial glossectomy were performed for a large cancer on the right side of the tongue with cervical metastasis.

This left neck dissection was done for a metastatic mass in the sub-digastric area. In addition, the patient has a mass in the left lobe of the thyroid, thought to represent a thyroid adenoma.

PRODUCER: MDA-TV

SPONSOR/CREDIT: Department of Surgery
The University of Texas at Houston
M. D. Anderson Hospital and Tumor Institute

TECHNICAL INFORMATION:

Medium: video tape recording (Ampex 660B), b&w

Produced: 1969

Rental Fee: $7.00
Overtime Charge: $3.50 per week

TITLE & NUMBER: TEXAS TALL - MP68-1

PROGRAM LENGTH: 15 min.

ABSTRACT: This program documents the progress that has been made at The University of Texas M.D. Anderson Hospital and Tumor Institute at Houston since its founding in 1941. The growth of the hospital facility, from its beginning on an old Houston estate to its present location in the Texas Medical Center, is illustrated with historical photographs of both the old and the new facilities. The program dramatically illustrates a three-fold relentless effort to track down the causes of cancer-- through patient care, basic research, and educational programs. The institution offers individualized care by teams of physicians and scientists from all related disciplines in a coordinated approach to the solution of the cancer problem.

This program shows an institution, created for the people of Texas and the nation by The University of Texas to bring relief to those who suffer; to seek the cause, the control, the cure; to make certain that the latest developments in treatment are available to all the citizens, through their physicians.

PRODUCER: Department of Medical Communications
M. D. Anderson Hospital and Tumor Institute

SPONSOR/CREDIT: The University of Texas at Houston
M. D. Anderson Hospital and Tumor Institute

TECHNICAL INFORMATION:

16mm motion picture, optical sound, color

Produced: 1968

Rental Fee: None

TITLE & NUMBER: PAIN - Control with Subarachnoid Alcohol

MP69-3

PROGRAM LENGTH: 17 min.

ABSTRACT: This film presents subarachnoid alcohol block as an effective technique in the management of the intractable pain of the cancer patient. The need for a high degree of selectivity in choice of treatment modality in controlling pain is reviewed. The indications and contra-indications, the advantages and disadvantages and the meticulous anatomic and technical consideration of the subarachnoid alcohol block are presented in detail.
Special emphasis is given to the patient's disease process and presenting complaint and the anatomic derivation and distribution of the involved nerves. The technival specificity in performing the nerve block is demonstrated and a review of the results of 485 blocks in 322 patients at The University of Texas M.D. Anderson Hospital and Tumor Institute at Houston is presented. The few complications that occured are reviewed.

PRODUCER: Department of Medical Communications, M. D. Anderson Hospital

SPONSOR/CREDIT: Section of Anesthesiology, Department of Surgery, M. D. Anderson Hospital

TECHNICAL INFORMATION:

16mm motion picture, optical sound, color

Produced: 1968

Rental Fee: $4.00

TITLE & NUMBER: THE MANY FACES OF FEAR - MP66-1

PROGRAM LENGTH: 27:00 min.

ABSTRACT: Directed to the lay public, this film is the story of one man's experiences with cancer. The film documents the results and dilemma of delay in seeking medical treatment when faced with one of the "danger signals" of cancer. Of particular interest is the emphasis on the psychological aspect of the disease on the patient. Introduction by Gregory Peck.

PRODUCER: KTRK-TV
Houston, Texas

SPONSOR/CREDIT: KTRK-TV

TECHNICAL INFORMATION:

Medium: 16mm motion picture, optical sound, color

Produced: 1966

*Rental Fee: $4.00

*Heavy demand requires that rental must be limited to one-week periods.

TITLE & NUMBER: MEETING THE NURSING NEEDS OF THE PATIENT WITH TOTAL LARYNGECTOMY - ST62-1

PROGRAM LENGTH: 20 min.

ABSTRACT: A series of 41 color slides and taped lecture by Miss Renilda Hilkemeyer, R. N., illustrating basic considerations in nursing care for the laryngectomy patient and other patients with head and neck cancer. The psychological impact of cancer can be met with support and encouragement by the total health team working with the patient and his family. Rehabilitation, including self-care and esophogeal speech, and resumption of the patient's community role are demonstrated.

PRODUCER: The Department of Medical Communications
M. D. Anderson Hospital

SPONSOR/CREDIT: The Department of Nursing
The University of Texas at Houston
M. D. Anderson Hospital & Tumor Institute
The American Cancer Society

TECHNICAL INFORMATION:

Medium: 2x2 slides & magnetic recording tape (3&3/4 ips)

Produced: 1962

Rental Fee: $2.00

TITLE & NUMBER: THE GROWTH OF TUMORS - GSBS-5

PROGRAM LENGTH: 24 min.

ABSTRACT: Of interest to medical or informed lay audiences, this presentation develops a model of the growth of cancer. It is based upon the concept of linear exponential growth. This proposes that the rate and pattern of cancer growth, which together constitute behavior, are at least as characteristic of individual cancers and types of cancers as is the morphology on which we commonly base diagnosis, prognosis and treatment.

The thesis is supported by the relentless consistency of the statistics of age incidence, survival rates and mortality rates. Examination of exponential growth indicates that under optimum circumstances two-thirds to three-quarters of the total duration of the course of cancer transpires before the time of discovery and diagnosis. Attention is directed to the probable inception of cancer, which must have the same consistency as the age distribution curves for diagnosis and should be the focus of investigation for study of the nature and action of etiologic factors.

PRODUCER: MDA-TV

SPONSOR/CREDIT: Graduate School of Biomedical Sciences
The University of Texas at Houston

TECHNICAL INFORMATION:

Medium: video tape recording (Ampex 660B), b&w

Produced: 1969

Rental Fee: $4.00
Overtime Charge: $2.00 per week

TITLE & NUMBER: NUCLEOTIDE SEQUENCES IN BACTERIOPHAGE RNA - GSBS-7

PROGRAM LENGTH: 56 min.

LECTURER: FREDERICK SANGER, Ph.D., Nobel Laureate
MRC Laboratory of Molecular Biology
Cambridge University, England

ABSTRACT: The 1970 annual Mike Hogg Lecture, one of a series of research seminars in basic science. Dr. Sanger describes the methodology for determining the nucleotide sequence of ribonucleic acids. The nucleotide sequence of a segment of ribonucleic acid in bacteriophage was ascertained and was shown to code for the amino acids present in the coat protein of the phage.

PRODUCER: MDA-TV

SPONSOR/CREDIT: Graduate School of Biomedical Sciences
The University of Texas at Houston

TECHNICAL INFORMATION:

Medium: video tape recording (Ampex 660B), b&w

Produced: 1970

Rental Fee: $7.00
Overtime Charge: $3.50 per week

TITLE & NUMBER: ANOTHER DIMENSION - MP7081

PROGRAM LENGTH: 13 min.

ABSTRACT: Since more and more cancer can be controlled, greater emphasis must be put on the quality of the treatment.

Directed to the lay public as well as to medical and paramedical personnel, this film illustrates the essential role that rehabilitation plays in the cancer field as it documents the results of an extensive program of therapy in the lives of four patients who have undergone cancer surgery.

Particular significance is attached to the cooperative efforts of families, physicians, therapists and all concerned with the department of rehabilitation medicine in helping patients pave the way to active and productive lives after surgery.

PRODUCER: Department of Medical Communications
M. D. Anderson Hospital and Tumor Institute

SPONSOR/CREDIT: The University of Texas at Houston
M. D. Anderson Hospital and Tumor Institute

TECHNICAL INFORMATION:

16mm motion picture, optical sound, color

Produced: 1970

Rental Fee: $4.00

TITLE & NUMBER: TO TAKE A HAND - MP7071

PROGRAM LENGTH: 17 min.

ABSTRACT: This film, while directed primarily at professional and student nurse staff, can be used effectively for other professional staff and disciplines who work with cancer patients. The film deals with concepts relating to cancer and the cancer patient rather than techniques of care.

The goal of the film is to interest nurses and others in caring for the patient with cancer, whether in a specialized or general health care facility. The film depicts a young nurse in a specialized cancer hospital through her period of adjustment; her change in attitudes and concepts; her realization that cancer can be cured and that there is hope--and most important, that she as an individual nurse can contribute to helping every cancer patient.

PRODUCER: Department of Medical Communications
M. D. Anderson Hospital and Tumor Institute

SPONSOR/CREDIT: The University of Texas at Houston
M. D. Anderson Hospital and Tumor Institute

TECHNICAL INFORMATION:

16mm motion picture, optical sound, color

Produced: 1969

Rental Fee: $4.00

TITLE & NUMBER: GYNECOLOGIC RADIUM THERAPY - S-15

PROGRAM LENGTH: 17 min.

SURGEON & NARRATOR: JOSEPH R. CASTRO, M. D.
Department of Radiotherapy

ABSTRACT: The basic principles of gynecologic radium therapy and the system of intraurine ard vaginal radium applicators at M.D. Anderson Hospital and Tumor Institute are reviewed. Features of the specially designed radium applicators later modified to permit after loading of radioactive sources are shown.

Advantages of the applicator system are: (1) flexibility (2) stability (3) ease of use (4) afterloading techniques to reduce personnel exposure to radiation.

Proper use of these applicators has resulted in a high control rate of cancer of the uterine cervix.

PRODUCER: MDA-TV

SPONSOR/CREDIT: Department of Radiotherapy
The University of Texas at Houston
M. D. Anderson Hospital and Tumor Institute

TECHNICAL INFORMATION:

Medium: video tape recording (Ampex 660B), b&w

Produced: 1970

Rental Fee: $4.00
Overtime Charge: $2.50 per week

TITLE & NUMBER: FEMORAL TRANSPLANTATION FOR RECURRENT GIANT CELL TUMOR - S-15

PROGRAM LENGTH: 16 min.

SURGEON & NARRATOR: FRANK F. PARRISH, M. D.
Department of Surgery

ABSTRACT: This video tape demonstrates a patient with three previous operations for giant cell tumor of the distal femur. With persisting tumor, the distal half of the femur is resected and replaced by an allograft and the technique is shown.

The first post-operative change of cast at six weeks is shown and a brief description of post-operative care is included.

PRODUCER: MDA-TV

SPONSOR/CREDIT: Department of Surgery
The University of Texas at Houston
M. D. Anderson Hospital and Tumor Institute

TECHNICAL INFORMATION:

Medium: video tape recording (Ampex 660B), b&w

Produced: 1969

Rental Fee: $4.00
Overtime Charge: $3.00 per week

TITLE & NUMBER: APPLICATION OF THE CRYOSTAT TO SURGICAL PATHOLOGY - PA-3

PROGRAM LENGTH: 17 min.

NARRATOR: STEPHEN GALLAGER, M.D.
Department of Pathology

ABSTRACT: Because rapidity and precision in diagnosis contribute to the improvement of patient survival, pathologists are concerned with improving diagnostic methods.

Directed to both surgeons and pathologists, this program illustrates the use of the cryostat at M. D. Anderson Hospital and Tumor Institute in providing rapid frozen sectioning of surgical specimens.

Though machines and techniques are featured in the program, of primary emphasis is the concept of a complete pathology team applying its special skills and knowledge to patient care and to control of malignant disease.

PRODUCER: MDA-TV

SPONSOR/CREDIT: Department of Pathology
The University of Texas at Houston
M. D. Anderson Hospital and Tumor Institute

TECHNICAL INFORMATION:

Medium: video tape recording (Ampex 660B), b&w

Produced: 1970

Rental Fee: $4.00
Overtime Charge: $2.00 per week

TITLE & NUMBER: THE BIOSYNTHESIS OF GRAMICIDIN S - GSBS-5

PROGRAM LENGTH: 60 min.

LECTURER: FRITZ LIPMANN, Ph.D., Nobel Laureate
The Rockefeller University
New York, New York

ABSTRACT: The 1969 annual Mike Hogg Lecture, one of a series of research seminars in basic science. Dr. Lipmann describes the studies carried out in his laboratories that led up to the formulation of the cellular mechanism for the biosynthesis of the antibiotic, gramicidin. This general mechanism is probably involved in the biosynthesis of other low molecular polypeptides.

PRODUCER: MDA-TV

SPONSOR/CREDIT: Graduate School of Biomedical Sciences
The University of Texas at Houston

TECHNICAL INFORMATION:

Medium: video tape recording (Ampex 660B), b&w

Produced: 1969

Rental Fee: $7.00
Overtime Charge: $3.50 per week