

A Guide to the

HSIMS Videotape Collection

COLL - 012

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Updated by

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**Faculty of Medicine Founders' Archive
Health Sciences Library**

6 March 2000

Updated 21 November 2002

Updated 2 October 2013

HSIMS Videotape Collection

(COLL-012)

Title: Health Sciences Information and Media Service Videotape Collection
Dates: 1976-1991
Extent: 62 videocassettes (130 linear cm)

Administrative history:

As part of its mandate, HSIMS (Health Sciences Information and Media Service, formerly called Medical Audio Visual Services [MAVS]) created many videocassettes for the Medical School after its formation and made them available as teaching aids, public awareness tools and medical learning resources for students, staff and faculty. They were written, produced, directed and designed by the staff of HSIMS and also involved students, staff and faculty from Memorial and affiliated teaching hospitals in the St. John's area. They were retained in the HSIMS storage area in the Health Sciences Centre.

Custodial history:

The original thirty videocassettes in this collection were in the custody of HSIMS until November of 1999 when they were transferred to the Founders' Archive once proper storage facilities had been created.

Scope and content:

The videocassettes cover the many projects and subjects worked on by HSIMS during the years 1978-1991, including community activities, health education, outreach to youth, and many other topics dealing with medicine and the provision of health care in Newfoundland and Labrador.

Source of title:

Supplied title is based on contents of the fonds.

Provenance:

Health Sciences Information and Media Service, Faculty of Medicine, Memorial University of Newfoundland

Acquisition:

The original collection of thirty videocassettes was acquired from Mr. Eugene Ryan of HSIMS on 23 November 1999.

Arrangement:

When the collection of HSIMS videocassettes arrived at the Founders' Archive, there was some degree of order present. Tapes were clearly labeled with original titles used in earlier indexes. This formed the framework for further arrangement and description of the collection with new tape numbers being assigned to each tape and a new index being created.

Restrictions:

There are restrictions on use of or access to some of the material in this collection. All materials in this fonds are protected by copyright. It is the responsibility of the researcher to obtain copyright clearance from the copyright holder(s).

Accruals:

HSIMS still retains several videocassettes. Further accruals are expected.

Finding Aid:

Faculty of Medicine Founders' Archive finding aid # 012. Item level control

Notes:

In 2002, the Faculty of Medicine Founders' Archive received a Preservation Management Programme grant from the Canadian Council of Archives (CCA), with the result that fourteen videotapes were reformatted to Betacam Sp format, along with a back-up VHS videocassette copy. An additional seven were converted to Betacam Sp format only. The copies resulting from the preservation grant are stored with the originals.

DVD copies for several videos have been completed by HSIMS and transferred to the archive.

Series Description

TAPE 1 (M.A.V.S. #2)

Title

Medical Audiovisual Services

Date(s) of Creation

November 1976

Dimensions

¾" videocassette (15 min.) : b&w
Master Tape

Availability of Other Formats

Also available on Betacam SP, VHS videocassette and DVD

Scope and Content

Summary: A brief survey of the video facilities within MAVS capable of participating in biomedical communications programmes and the back up services supporting this unit. Scenes of small video studio and production facilities in that studio are demonstrated. Short sequences of the photographic, graphic, maintenance and production areas and their associated MAVS staff are also shown.

Attribution(s)

Dr. B.W. Payton

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 1: ¾" Videocassette; Betacam SP; VHS
Coll-012 - Box 8: DVD copy

Note:

See **TAPE 40**. Dubbed copy.

TAPE 2 (M.A.V.S. #3)**Title**

A New Role for the Medicinal Leech

Date(s) of Creation

September 1978

Dimensions

¾" videocassette (28 min.) : col.
Master Tape

Availability of Other Formats

Also available on Betacam SP, VHS videocassette and DVD

Scope and Content

Summary: Following a general description of the gross external features of the leech and its methods of locomotion e.g. "inch-worming" and swimming, the location and gross appearance of its nervous system is demonstrated under the dissecting microscope.

The ventral blood sinus is opened to reveal the repeating organization of similar segmental nerve ganglia joined by connectives and giving rise to nerve roots. The similar organization of individual nerve cells at each ganglion level is emphasized and the identification of specific functions assigned to certain neurones, as described by Nicholls et al., is very briefly described. An example of the common cytoarchitecture of a specific nerve cell is demonstrated using an illustration of Mullers obtained after staining an individual cell.

The advantages of such preparations and the nervous system of the leech for studying some fundamental problems of neurobiology are indicated.

Attribution(s)

Dr. B.W. Payton, M.B., B.S., Ph.D.

Credits

Photography and video production: G. Gauthier, R.B.P.

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 1: ¾" Videocassette; Betacam SP; VHS
Coll-012 - Box 8: DVD copy

Note:

See **TAPE 41** (Master Tape).

TAPE 3 (M.A.V.S. #28)**Title**

An Efficient Weight Reducing Diet

Date(s) of Creation

May 1979

Dimensions

¾" videocassette (40 min., 15 sec.) : col.
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: A programme suitable for lay audiences.

A description of a weight reducing diet describing the importance of restricting salt intake in the diet and how an adequate caloric intake can be obtained by an appropriate diet containing particular carbohydrates and proteins. The mechanisms controlling the level of sugar in the blood are simply described as are the effects of inappropriate food substances on the blood sugar level.

Attribution(s)

Dr. S. Heyden (Duke University, North Carolina)

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 1: ¾" Videocassette

Coll-012 - Box 8: DVD copy

TAPE 4 (M.A.V.S. #78)**Title**

Exercise "Herbie"

Date(s) of Creation

Unknown

Dimensions

¾" videocassette (20 min.) : col.
Master Tape

Availability of Other Formats

Also available on Betacam SP and DVD

Scope and Content

Summary: A practice drill involving an oil rig and helicopter crash aboard the oil rig's deck off the coast of Newfoundland.

Patients are evaluated and treated where possible by qualified paramedics and then transported to the Health Sciences Centre in St. John's for further treatment.

Attribution(s)

Unknown

Production

Educational Television Centre (E.T.V.), Memorial University of Newfoundland

Location

Coll-012 - Box 1: ¾" Videocassette; Betacam SP; VHS

Coll-012 - Box 8: DVD copy

TAPE 5 (M.A.V.S. #56) (RESTRICTED)**Title**

Taking a Medical History (**RESTRICTED**)

Date(s) of Creation

[between 1977 and 1982]

Dimensions

¾" videocassette (45 min.) : col.
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: This is a videotape of Dr. Pryse-Phillips interviewing a (real) patient more or less as well as he knows how to. The setting is a simulated clinic. The interview is not completely exhaustive in deference to the patient's age and the nature of the problem, which was limited to one major system. This tape is suitable for Med. 2 (clinical skills, Introduction to History Taking).

Cast

Dr. Pryse-Phillips
Unknown patient

Attribution(s)

Dr. Pryse-Phillips

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 1: ¾" Videocassette
Coll-012 - Box 8: DVD copy

TAPE 6 (M.A.V.S. #45)**Title**

Dr. K. B. Roberts (Brophy's Half Hour, C.B.C.): History of Medicine Collection at the Health Sciences Centre Library

Date(s) of Creation

1980

Dimensions

¾" videocassette (20 min.) : col.

Master Tape

Availability of Other Formats

Also available on Betacam SP and DVD

Scope and Content

Summary: This is a video of an episode of "Brophy's Corner" a Canadian Broadcasting Corporation (CBC) show. It is a detailed look at the Historical Collection in the History of Medicine Room at General Hospital's and Memorial University's Faculty of Medicine Health Sciences Centre Library. Dr. K. B. Roberts, the first John Clinch Professor of the History of Medicine and Physiology, talks about books, instruments and papers relating to the History of Medicine, showing medical instruments from the collection that were donated by Mr. Leonard Miller.

Attribution(s)

Dr. K.B. Roberts

Production

C.B.C. Canadian Broadcasting Corporation

Location

Coll-012 - Box 2: ¾" Videocassette; Betacam SP

Coll-012 - Box 8: DVD #4

TAPE 7 (M.A.V.S. #46)**Title**

HSC Special Program

Parallel Titles

H.S.C. Opening

The Opening of the Health Sciences Centre

Date(s) of Creation

18 October 1978

Dimensions

$\frac{3}{4}$ " videocassette (30 min.) : col.

Master Tape

Availability of Other Formats

Also available on Betacam SP and DVD

Scope and Content

Summary: A program produced by ETV on the opening of the Health Sciences Centre (H.S.C.) and its role within the public sector including the medical school. Also a brief view of some of the facilities within the building, i.e. wards, emergency, family practice, etc.

Production

Educational Television Centre (E.T.V.), Memorial University of Newfoundland

Location

Coll-012 - Box 2: $\frac{3}{4}$ " Videocassette; Betacam SP

Coll-012 - Box 8: DVD #4

TAPE 8 (M.A.V.S. #54)**Title**

How not to Interview a Patient

Date(s) of Creation

Unknown

Dimensions

¾" videocassette (ca. 25 min.) : b&w
Master Tape

Availability of Other Formats

Also available on Betacam SP, VHS videocassette and DVD

Scope and Content

Summary: As many faults of patient interviewing techniques as the demonstrators can remember are shown, with added discourtesies, using simulated patients. The two interviews run in sequence and students in the clinical skills course (Med. 2) may compare both and rate the faults of each.

Attribution(s)

Dr. Pryse Phillips

Cast

Dr. Pryse Phillips
Dr. Bruce Poole

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 2: ¾" Videocassette; Betacam SP; VHS
Coll-012 - Box 8: DVD #4

TAPE 9 (M.A.V.S. #89)**Title**

Convocation 1981 Medical Graduates (Tape #2, Saturday Morning)

Parallel Title

Spring Convocation at Memorial University, 1981

Date(s) of Creation

1981

Dimensions

¾" videocassette (46 min.) : col.
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: A segment of the 1981 Spring Convocation, including the entire class of medical graduates.

Attribution(s)

Unknown

Production

Educational Television Centre (E.T.V.), Memorial University of Newfoundland

Location

Coll-012 - Box 2: ¾" Videocassette
Coll-012 - Box 8: DVD #4

TAPE 10 (M.A.V.S. #91)**Title**

Animal Experiments at M.U.N

Parallel Title

Animal Experiments at MUN, Interview with: Dr. A. Fraser, Dr. D. Bieger, C.B.C.'s Coffee Break

Date(s) of Creation

23 September 1981

Dimensions

¾" videocassette (20 min.) : col.
Master Tape

Availability of Other Formats

Also available on Betacam SP and DVD

Scope and Content

Summary: This is a recording of a television interview between Shirley Newhook and Drs. Bieger and Fraser who were acting as spokesmen on behalf of the University in regard to animal experimentation. During the interview Shirley Newhook asked questions relating to the controversy concerning animal experimentation in general and the use of animals at M.U.N. in particular. Dr. Bieger spoke as Chairman of the President's Committee on Animal Care. Dr. Fraser spoke as Director of Animal Care. An assurance was given to Shirley Newhook and her viewers that no cruel practices would be permitted on animals at Memorial University and that animal welfare was a major concern within Animal Care at this University.

Attribution(s)

Unknown

Cast

Shirley Newhook
Dr. A. Bieger
Dr. A. Fraser

Production

C.B.C.

Location

Coll-012 - Box 3: ¾" Videocassette; Betacam SP
Coll-012 - Box 8: DVD #7

TAPE 11 (M.A.V.S. #94)**Title**

Care of a Minimal Disease Facility

Date(s) of Creation

September 1981

Dimensions

¾" videocassette (10 min.) : col.
Master Tape

Availability of Other Formats

Also available on Betacam SP, VHS videocassette and DVD

Scope and Content

Summary: Maintaining rats, which have been derived from disease-free stock is a technique requiring sterile procedures. These procedures are shown in this tape. The Technician illustrates garments worn in this work and the way in which the room is serviced. The handling of rats is also demonstrated showing different methods of picking up animals when they are being moved into freshly bedded cages. The videotape carries a trace of a commentary by the Director of Animal Care on the principle behind Minimal Disease environments for rodents.

Attribution(s)

Dr. Andrew Fraser, Animal Care Unit, Memorial University of Newfoundland

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 3: ¾" Videocassette; Betacam SP; VHS
Coll-012 - Box 8: DVD #6

TAPE 12 (M.A.V.S. #98) (RESTRICTED)**Title**

Patient Interviews (**RESTRICTED**)

Parallel Title

Three patients

Date(s) of Creation

8 May 1979, 21 January 1980, 24 May 1978

Dimensions

¾" videocassette (25 min.) : b&w and col.

Master Tape

Availability of Other Formats

Also available on Betacam SP, VHS videocassette and DVD

Scope and Content

Summary: Patient interviews as follows: 1) David B., 8th May, 1979. Running time: 15 minutes; 2) B. Slaney, 21st January, 1980. Running time: 5 minutes. 3) Patient at Waterford, 24th May, 1978. Running time: 5 minutes.

Attribution(s)

Dr. Norman Lush

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 3: ¾" Videocassette; Betacam SP; VHS

Coll-012 - Box 8: DVD #7

TAPE 13 (M.A.V.S. #99)**Title**

A Mock Trial: The Issue of Insanity as a Defence - Part 1

Date(s) of Creation

12 September 1981

Dimensions

¾" videocassette (60 min.) : col.
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: (Trial) A man accused of attempted murder is brought to trial where the issue of insanity is considered. The actors - all professionals in their fields - demonstrate proper courtroom procedure, and elucidate the legal considerations involved in the issue at bar.

This videotape would be a useful teaching aid to mental health and justice personnel regarding both courtroom procedure and a special area in forensic psychiatry.

Attribution(s)

Unknown

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland
G. Gauthier, S. Payne, J. Thomson and D. Windsor

Location

Coll-012 - Box 3: ¾" Videocassette
Coll-012 - Box 8: DVD #6

TAPE 14 (M.A.V.S. #99)**Title**

A Mock Trial: The Issue of Insanity as a Defence - Part 2

Parallel Title

Insanity as a Defence Part II. Judge's Summary

Date(s) of Creation

12 September 1981

Dimensions

¾" videocassette (20 min.) : col.

Master Tape

Availability of Other Formats

Also available on Betacam SP and VHS videocassette

Scope and Content

Summary: (Judge's summary) A man accused of attempted murder is brought to trial where the issue of insanity is considered. The actors - all professionals in their fields - demonstrate proper courtroom procedure, and elucidate the legal considerations involved in the issue at bar.

This videotape would be a useful teaching aid to mental health and justice personnel regarding both courtroom procedure and a special area in forensic psychiatry.

Attribution(s)

Unknown

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland
G. Gauthier, S. Payne, J. Thomson and D. Windsor

Location

Coll-012 - Box 4: ¾" Videocassette; Betacam SP; VHS

Coll-012 - Box 8: DVD #8

TAPE 15 (M.A.V.S. #101)**Title**

Adult Rehabilitation Assessment Conference

Date(s) of Creation

31 March 1982

Dimensions

¾" videocassette (55 min.) : col.
Master Tape

Scope and Content

Summary: A conference with Dr. Norman Lush and his department heads at the Miller Centre, illustrating the procedures used in assessing the patients' needs. Discussion centers on two stroke victims and how each department head interacts to arrive at the best course of action for each patient.

Attribution(s)

Unknown

Production

Unknown

Location

Coll-012 - Box 4: ¾" Videocassette

Coll-012 - Box 8: DVD #9

TAPE 16 (M.A.V.S. #102) (RESTRICTED)**Title**

Coping with Childhood Leukemia (**RESTRICTED**)

Parallel Title

Coping with Childhood Leukemia – Three Interviews (**RESTRICTED**)

Date(s) of Creation

March 1982

Dimensions

¾" videocassette (25 min.) : col.

Master Tape

Availability of Other Formats

Also available on Betacam SP, VHS videocassette and DVD

Scope and Content

Summary: The diagnosis of leukemia in a child has a major impact on the entire family. The purpose of this videotape is to make us aware of the experiences of affected families and adjustments they have to make.

The first interview is with the parents of a child who is doing well on treatment, the second with parents of a child who died, and the third with a parent whose child is considered cured.

Attribution(s)

Dr. S.K. Ali

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 4: ¾" Videocassette; Betacam SP

Coll-012 - Box 8: DVD #10

HSL – WH 250 C783 1982: VHS

TAPE 17 (M.A.V.S. #112)**Title**

Spring Convocation 1983 (Part 1)

Parallel Title

Spring Convocation '83, Friday Morning session, 9:10 am, Tape #1

Date(s) of Creation

27 May 1983

Dimensions

¾" videocassette (unknown duration) : col.
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: Friday morning session 9:00 a.m. at Spring Convocation 1983

Production

Educational Television Centre (E.T.V.), Memorial University of Newfoundland

Location

Coll-012 - Box 4: ¾" Videocassette

Coll-012 - Box 8: DVD #11

TAPE 18 (M.A.V.S. #112)**Title**

Spring Convocation 1983 (Part 2)

Parallel Title

Spring Convocation '83, Friday Morning session, 9:00 am, Tape #2

Date(s) of Creation

27 May 1983

Dimensions

¾" videocassette (unknown duration) : col.
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: Friday morning session 9:00 a.m. at Spring Convocation 1983

Includes R.R. Salter and Orator, Dr. R. Mowbray.

Attribution(s)

Unknown

Production

Educational Television Centre (E.T.V.), Memorial University of Newfoundland

Location

Coll-012 - Box 4: ¾" Videocassette
Coll-012 - Box 8: DVD #12

TAPE 19 (M.A.V.S. #119)**Title**

Dismembering or Amputation

Date(s) of Creation

November 1985

Dimensions

¾" videocassette (16.5 min.) : col.
Master Tape

Availability of Other Formats

Also available on Betacam SP, VHS videocassette and DVD

Scope and Content

Summary: This is a videotape version of a slide/tape production using the verbatim text of amputation, published in "The Surgeons Mate" by John Woodhall, 1617. The videotape illustrates what was otherwise an illustrated text. These illustrations are similar in style to the woodcuts that accompany the famous surgical works of Ambroise Pare. The slide/tape program was an A.V. version of a purported 18th century work "The Compleat Visualization of Dismembering the Limbs - or the True Manner of Lopping off Arms and Leg".

John Woodall's 1617, text pages 171-177.

Attribution(s)

Dr. B.W. Payton

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 5: ¾" Videocassette; Betacam SP; VHS
Coll-012 - Box 8: DVD #13

TAPE 20 (M.A.V.S. #123)**Title**

The Administration of Medication

Date(s) of Creation

September 1986

Dimensions

¾" videocassette (26 min.) : col.
Master Tape

Availability of Other Formats

Also available on Betacam SP, VHS videocassette and DVD

Scope and Content

Summary: This video production discusses the principles of medication administration as well as the preparation and administration of medication by various routes, i.e. oral subcutaneous to intramuscular. It will enable the student to visualize the equipment necessary, as well as the steps involved in the above procedure.

Attribution(s)

Janet Curran, B.N., R.N., School of Nursing, Memorial University of Newfoundland

Credits

Script: Janet Curran

Camera: J. Thomson

Direction and Editing: M. Juteau

Production

School of Nursing, Memorial University of Newfoundland

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 5: ¾" Videocassette; Betacam SP

Coll-012 - Box 8: DVD #14

HSL - WB 340 A238 1986: VHS

TAPE 21 (M.A.V.S. #128)**Title**

The Family Experience (**RESTRICTED**)

Date(s) of Creation

February 1987

Dimensions

¾" videocassette (40 min.) : col.
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: This videotape deals with children, adults and families affected by Neural Tube Defects (NTD). It is a teaching instrument for families and health care personnel and others involved in the provision of care to children with NTD's, to enable them to gain a deeper understanding of the physical and psychosocial aspects of the problems encountered. Interviews were conducted with a neurologist, neonatologist, geneticists, parents and siblings of affected children.

For individuals who are involved personally or professionally with a child with a birth defect, this video should provide insight into the problems and coping strategies of these families.

This videotape is suitable for parents and interested relatives of a child with an NTD,

- medical, nursing and other health related students,
- health care professionals (doctors, nurses, social workers, etc.),
- school teachers.

Attribution(s)

Newfoundland and Labrador Association of Spina Bifida and Hydrocephalus
Janeway Genetics Clinic

Credits

Camera and Audio: Jim Thompson

Directing and Editing: Marcel Juteau

Graphics: Cliff George

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 5: ¾" Videocassette

Coll-012 - Box 8: DVD #15

TAPE 22 (M.A.V.S. #142)**Title**

General Hospital Health Foundation - Multidiagnostic Equipment

Date(s) of Creation

July 1988

Dimensions

¾" videocassette (10 min.) : col.

Availability of Other Formats

Also available on Betacam SP, VHS videocassette and DVD

Scope and Content

Summary: Features of the Phillips Multidiagnostic Unit are illustrated by examining its various components and demonstrating a complete myelographic examination performed in the Radiology department.

The tape has been prepared for the General Hospital Foundation for presentation to the Nfld. Command Branch of the Canadian Legion.

Attribution(s)

Unknown

Credits

Technical Assistance: Jim Thomson

Video and Audio Editing: Marcel Juteau

Production

M.A.V.S.

Location

Coll-012 - Box 5: ¾" Videocassette; Betacam SP; VHS

Coll-012 - Box 8: DVD #16

TAPE 23 (M.A.V.S. # 148) (RESTRICTED)**Title**

Between Two Rocks (**RESTRICTED**)

Date(s) of Creation

October 1990

Dimensions

¾" videocassette (28 min.) : col.

Availability of Other Formats

Also available on Betacam SP, VHS videocassette and DVD

Scope and Content

Summary: This videotape was made in conjunction with the research department of the Waterford Hospital and Medical Audio Visual Services, Faculty of Medicine, MUN. This videotape focuses on the social issues surrounding long term mental illness. It contains an interview with a man suffering from long term mental illness and compares his experiences in life with the research data.

Attribution(s)

Unknown

Credits

Script: Dr. Annette Felix-Briones

Direction and Editing: Marcel Juteau

Graphics: Sylvia Ficken

Technical Assistance: James L. Thomson

Narration: Dr. Annette Felix-Briones

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 6: ¾" Videocassette; Betacam SP; VHS

Coll-012 - Box 8: DVD #17

TAPE 24 (M.A.V.S. #151)**Title**

Medicine at Memorial

Date(s) of Creation

October [1990 or 1991]

Dimensions

¾" videocassette (18 min.) : col.

Availability of Other Formats

Also available on Betacam SP, VHS videocassette and DVD

Scope and Content

Summary: A promotional program primarily designed for viewing by high school students throughout Newfoundland and Labrador.

This videotape utilises both external and internal scenes of the Health Sciences Centre, as well as the affiliated St. John's teaching hospitals and selected cottage hospitals. These are used to present an overview of the Medical School's admission policy and undergraduate curriculum and what being a medical student at Memorial entails.

The material also includes views expressed by present and past students with regard to their experiences in the programme.

In addition to outlines of the academic experiences, extracurricular social activities are also presented.

Attribution(s)

Unknown

Credits

Script: Sharon Pope, Vera Griffin, Ban Youngusband

Production, direction and editing: M. Juteau

Technical Assistance: J. Thomson

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 6: ¾" Videocassette; Betacam SP; VHS

Coll-012 - Box 8: DVD #18

TAPE 25 (M.A.V.S. #152)**Title**

Anatomy: 1970-1991

Date(s) of Creation

September 1991

Dimensions

¾" videocassette (24 min.) : col.

Availability of Other Formats

Also available on Betacam SP, VHS videocassette (two copies), and DVD

Scope and Content

Summary: This videotape was produced on the occasion of the retirement of Dr. J.D.W. Tomlinson, the Faculty of Medicine's first Professor of Anatomy. It contains a black and white movie filmed by Jim Hansen in 1970 showing scenes of Dr. Tomlinson teaching the first class of medical students at Memorial. The latter half of the film contains scenes of the last class taught by him 21 years later.

Attribution(s)

Unknown

Production

Produced in Medical Audiovisual Services by K.B Roberts, B.W. Payton, E. Ryan, M. Juteau, and J. Thomson.

Notes

One VHS copy was donated to the archive from the Office of the Dean, Faculty of Medicine, September 2006

Location

Coll-012 - Box 6: ¾" Videocassette; Betacam SP; VHS

Coll-012 - Box 8: DVD #19

TAPE 26 (M.A.V.S. #153)**Title**

A Baby Like Any Other

Date(s) of Creation

July 1991

Dimensions

¾" videocassette (12 min.) : col.

Availability of Other Formats

Also available on Betacam SP, VHS videocassette and DVD

Scope and Content

Summary: A programme indicating the role of the nurse in assisting the parents of a child born with a birth defect.

It deals with the immediate situation in the delivery room and after the mother returns to her room in the hospital.

Using a surrogate mother, the videotape portrays the types of discussion, information, support, and nurse/patient relationship that should take place between the patient and the nursing staff, as well as group discussion amongst the nursing staff.

Attribution(s)

Maureen Laryea and Kay Matthews, MUN School of Nursing

Credits

Direction and Editing: M. Juteau

Technical Assistance: J. Thomson

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 6: ¾" Videocassette; Betacam SP

Coll-012 - Box 8: DVD #20

HSL - WS 420 B115 1991: VHS

TAPE 27 (M.A.V.S. #155)**Title**

Your Operation and You: Preparing for Surgery at the General Hospital

Date(s) of Creation

August 1991

Dimensions

¾" videocassette (21 min.) : col.

Availability of Other Formats

Also available on Betacam SP, VHS videocassette and DVD

Scope and Content

Summary: A program prepared for viewing by patients entering the St. John's General Hospital and about to undergo surgery.

What happens immediately on being admitted to one's room, what happens the night before surgery and what happens immediately before the patient goes down to the operating room are shown as if it were a real situation. Thus, the patient is informed of the identity of the many different persons he/she will encounter and who will be part of the team dealing with the case. This is followed by an account of the experiences that will occur in the patient waiting area after leaving the ward. Some scenes of the operating room itself are then shown, as well as the recovery room before returning to the ward.

The videotape also demonstrates aspects of the immediate post-operative care that will occur in the days following surgery.

The videotape shows these situations as typified by a patient who would be undergoing abdominal surgery.

Attribution(s)

Sharon Smith

Credits

Direction: Jennifer Guy, General Hospital

Producer: S. Smith

Camera and Editing: M. Juteau

Technical Assistance: J. Thomson

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 7: ¾" Videocassette; Betacam SP; VHS

Coll-012 - Box 8: DVD #21

TAPE 28 (M.A.V.S. #156)**Title**

Health Checks

Date(s) of Creation

September 1991

Dimensions

¾" videocassette (50 min.) : col.

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: The production shows a typical health check by a public health nurse of a one year old baby and a preschool health check of a four year old child. The videotape includes a survey of general health, nutrition, immunization, growth and development, including assessment of vision, hearing, language and behaviour, with anticipatory guidance and counselling.

This videotape was produced for the Department of Health and the Discipline of Pediatrics, Faculty of Medicine, Memorial University.

Attribution(s)

Margaret Cox, M.D. and Anne Gillis, B.N., R.N.

Credits

Direction and Editing: Marcel Juteau

Technical Assistance: Jim Thomson

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 7: ¾" Videocassette

Coll-012 - Box 8: DVD #22

TAPE 29 (M.A.V.S. #157)**Title**

Mental Illness: What is it? (Addressing the Concerns of High School Students)

Date(s) of Creation

October 1991

Dimensions

¾" videocassette (24 min.) : col.

Availability of Other Formats

Also available on Betacam SP, VHS videocassette and DVD

Scope and Content

Summary: A programme designed to help high school students correct misconceptions relating to mental illness and some of the problems that may occur when one of their classmates is suffering from mental illness. It deals with general questions and misconceptions of mental illness and its treatment. The characters portrayed are fictitious but the situations are based on common, real events.

Much of the material is presented in a classroom setting with questions from students, and answers being provided by a visiting psychiatrist and a psychiatric social worker from the Waterford Hospital.

The presentation includes "The Story of Joe", a particular young person's individual experience at the Waterford Hospital. "Joe" is a schizophrenic. This section includes a simple description of his problems and scenes of his progress in the Waterford Hospital; from his acute stage of withdrawal and depression, through his gradual improvement and recovery, to his final hospital discharge.

Examples of the types of treatments such as drugs, electroconvulsive and occupational therapy that such a patient might receive are depicted.

Attribution(s)

Annette Felix-Briones

Credits

Direction: Annette Felix-Briones

Camera and Editing: Marcel Juteau

Technical Assistance: J. Thomson

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 7: ¾" Videocassette; Betacam SP; VHS

Coll-012 - Box 8: DVD #23

TAPE 30 (M.A.V.S. #158)**Title**

Doctors Orders: A Look at a Typical Canadian Biochemistry Laboratory

Date(s) of Creation

October 1991

Dimensions

¾" videocassette (15 min.) : col.

Availability of Other Formats

Also available on Betacam SP, VHS videocassette and DVD

Scope and Content

Summary: This production was prepared for the General Hospital's biochemistry laboratory to present to laboratory supervisors in Madras, India.

The tape shows a typical Canadian biochemistry laboratory and follows a blood sample from the time the doctor orders the test, through to the doctor receiving the results of the test. A number of laboratory instruments are shown such as a HITACHI 705 blood analyzer and a CLINITEK urinalysis machine.

The production also focuses on the usage of a number of computer systems that are used to process the blood samples quickly and efficiently.

The types of systems and equipment shown in this production can be found in most tertiary facilities in Canada.

Attribution(s)

Unknown

Credits

Direction and Editing: Marcel Juneau

Script: Vern Whalen, R.T.

Technical Assistance: Jim Thomson

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 7: ¾" Videocassette; Betacam SP; VHS

Coll-012 - Box 8: DVD #24

TAPE 31 (M.A.V.S. #8)**Title**

Initiation of Sensory Impulses (Generator Potentials)

Date(s) of Creation

December 1975

Dimensions

$\frac{3}{4}$ " videocassette (46 min.) : b&w
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: A videotaped lecture illustrated with simple graphics.

The stretch reflex is described and an elementary description of muscle spindles is given. Other sensory receptors showing anatomical specialization are also introduced.

The coding of intensity of sensation by frequency of nerve action potentials is discussed as are the adaptation and accommodation.

The initiation of action potentials by a local generator potential is presented by a simple consideration of experimental findings in mammalian and crustacean muscle stretch receptors.

The role of the efferent control of mammalian muscle spindles is also introduced.

Attributions(s)

Dr. B.W. Payton

Credits

Production: B.W. Payton, W. Sturge, C. Barrett, K. Kennedy

Graphics: C. George

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 9: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD #6

TAPE 32 (M.A.V.S. #1)**Title**

Arterial and Venous Cannulation and Tracheal Intubation in the Dog

Date(s) of Creation

January 1977

Dimensions

$\frac{3}{4}$ " videocassette (28 min.) : col.
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: A demonstration to illustrate the techniques necessary for the femoral vein and artery cannulation, as well as endotracheal intubation in the dog.

Following identification of these vessels in the femoral region the positioning of clamps, ligatures, etc. are shown as well as actual insertion of the respective polyethylene cannulae and the means whereby the ligatures are tied and retain the cannulae.

Familiarity with these techniques is necessary prior to performing various experiments in the second year medical programme at M.U.N. The jugular vein and the carotid artery dissection is shown but the cannulation of these vessels is not actually shown.

The choice of appropriate instruments for performing these procedures are shown.

Attribution(s)

Dr. J. Snellen

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 9: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD #7

TAPE 33 (M.A.V.S. #1)**Title**

Arterial and Venous Cannulation and Tracheal Intubation in the Dog

Date(s) of Creation

January 1977

Dimensions

$\frac{3}{4}$ " videocassette (28 min.) : col.

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: A demonstration to illustrate the techniques necessary for femoral vein and artery cannulation, as well as endotracheal intubation in the dog.

Following identification of these vessels in the femoral region the positioning of clamps, ligatures, etc. are shown as well as actual insertion of the respective polyethylene cannulae and the means whereby the ligatures are tied and retain the cannulae.

Familiarity with these techniques is necessary prior to performing various experiments in the second year medical programme at M.U.N. The jugular vein and the carotid artery dissection is shown but the cannulation of these vessels is not actually shown.

The choice of appropriate instruments for performing these procedures are shown.

Attributions(s)

Dr. J. Snellen

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 9: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD #7

TAPE 34 (M.A.V.S. #N/A)**Title**

Dr. Tomlinson in Lab

Parallel Title

Dr. Ken Roberts' Tape: Dr. Tomlinson in Lab

Date(s) of Creation

Unknown

Dimensions

$\frac{3}{4}$ " videocassette (60 min.) : col.

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: N/A

Attributions(s)

Unknown

Production

Unknown

Location

Coll-012 - Box 9: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD #7

TAPE 35 (M.A.V.S. #N/A)**Title**

S.S. Kyle

Parallel Title

Dr. Ian Rusted: S.S. Kyle

Date(s) of Creation

[1930s]

Dimensions

$\frac{3}{4}$ " videocassette (unknown) : col.

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: N/A

Attributions(s)

Unknown

Production

Unknown

Location

Coll-012 - Box 9: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD #25

TAPE 36 (M.A.V.S. #9)**Title**

Dr. Tomlinson 1st Year Anatomy Thtr B

Parallel Title

1st year Anatomy with Doctor Tomlinson

Date(s) of Creation

December, 1975

Dimensions

¾" videocassette (42 min.) : b&w

Availability of Other Formats

Also available on DVD, VHS

Scope and Content

Summary: A videotaped lecture illustrated by simple graphics.

Contents include the following: a simple account of basic elements of neurons, a simple reflex arc, the concept of the neurone theory, the definition of a synapse.

Following a brief account of the somatic and autonomic decisions of the central nervous system, early experiments laying the foundation for the theory of chemical transmission at synapses are presented.

Finally the criteria accepted from chemical transmission at particular synapses are presented and discussed.

Attributions(s)

Dr. Brian Payton

Credits

Graphics: C. George

Production

B.W. Payton, W. Sturge, C. Barrett, K. Kennedy

Location

Coll-012 - Box 9: ¾" Videocassette

Coll-012 - Box 8: DVD #26

TAPE 37 (M.A.V.S. #110)**Title**

Some Signs of Cerebellar Disease

Date(s) of Creation

Unknown

Dimensions

$\frac{3}{4}$ " videocassette (6 min., 20 sec.) : b&w
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: Some Signs of Cerebellar Disease (information taken directly from the title)

Attributions(s)

Dr. Wm. Pryse-Phillips

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 9: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD #27

TAPE 38 (M.A.V.S. #N/A)**Title**

Outport Doctor: Dr. Sheldon on New World Island

Date(s) of Creation

[between 1965 and 1975]

Dimensions

$\frac{3}{4}$ " videocassette (30 min.)

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: Some Signs of Cerebellar Disease (information taken directly from the title)

Attributions(s)

Dr. Wm. Pryse-Phillips

Production

Filmmaker: Jim Hanson

Location

Coll-012 - Box 9: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD #28

Note

Original was a 6mm film, which was dubbed to $\frac{3}{4}$ " videocassette

TAPE 39 (M.A.V.S. #N/A)**Title**

The Opening of General Hospital 1945

Date(s) of Creation

1945

Dimensions

$\frac{3}{4}$ " videocassette (? min.) Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: N/A

Attributions(s)

Unknown

Production

Unknown

Location

Coll-012 - Box 10: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD #29

Note

Dr. Ian Rusted owned the tape.

TAPE 40 (M.A.V.S. #2)**Title**

Medical Audiovisual Services – 1976

Date(s) of Creation

November 1976

Dimensions

¾" videocassette (15 minutes) : b&w

Dubbed Copy

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: A brief survey of the video facilities within MAVS capable of participating in biomedical communications programmes and the back up services supporting this unit. Scenes of small video studio and control room and production facilities in that studio are demonstrated.

Short sequences of the photographic, graphic, maintenance and production areas and their associated MAVS staff are also shown.

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 10: ¾" Videocassette

Coll-012 - Box 8: DVD #2

Note

See also TAPE 1 (Master Tape)

TAPE 41 (M.A.V.S. #3)**Title**

A New Role for the Medicinal Leech

Date(s) of Creation

September 1978

Dimensions

$\frac{3}{4}$ " videocassette (28 min.) : col.
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: See Tape 2, Scope and Content

Attribution

Dr. B.W. Payton

Credits

G. Gauthier, photography and video-production

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 10: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD #1

Note

See TAPE 2 for details.

TAPE 42 (M.A.V.S. #4)**Title**

Electrical Potentials in Biological Systems
Pt.1, Qualitative Physico-Chemical Basis (1975)

Date(s) of Creation

September 1975

Dimensions

$\frac{3}{4}$ " videocassette (35 min.) : col.

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: A non-mathematical presentation of the concepts underlying the production of electrical potential differences between the type of ionic solutions that occur in biological system. Such potentials are related to a transmembrane potential.

The presentation uses a series of simple visual models to show how ions will be distributed in the solution and between different concentrations of solution. Starting with some general features of diffusion, the programme proceeds to the establishment of an electrical potential between the different concentrations of solution because of differing ion mobilities. The development of a potential difference between those same solutions when separated by a semipermeable membrane is also explained.

An actual diffusion potential and a Nernst potential between differing sodium chloride solutions are demonstrated with appropriate equipment.

Attribution(s)

Dr. B.W. Payton

Credits

B.W. Payton, C. Barrett, W. Sturge, C. George

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 10: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD copy

TAPE 43 (M.A.V.S. #5)**Title**

Electrical Potentials in Biological Systems
Pt.2. Mathematical Descriptions

Date(s) of Creation

August 1978

Dimensions

$\frac{3}{4}$ " videocassette (40 min.) : col. Master Tape.

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: A programme particularly developed for students without advanced mathematical training.

The equations to describe the diffusion and Nernst potentials, demonstrated in Part 1, are developed. Particular emphasis is placed on the identification of the different factors on which these potentials depend and how the equations describe the interrelationships.

The Goldman Constant Field equation is also presented and its relationship to biological transmembrane potentials discussed.

Examples of the predicted transmembrane potential following an increase of external concentrations of Na⁺ and K⁺ are discussed as are the situations when permeability values change.

Attribution(s)

Dr. B.W. Payton

Credits

Production: B.W. Payton, W. Sturge

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 10: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD copy

TAPE 44 (M.A.V.S. #6)**Title**

Electrical Potentials in Biological Systems
Pt.3. Alterations from the resting state (1978)

Date(s) of Creation

October 1978

Dimensions

$\frac{3}{4}$ " videocassette (29 min.) : col.
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: By means of a graph the relationship of the Nernst, or equilibrium potentials, for Na^+ and K^+ are compared to the resting potential as predicted by the Goldman equation. Alterations from the resting state, brought about by changes in the membranes permeability to sodium and potassium are related to this graphic plot.

The action potential is explained by a brief increase in membrane permeability to sodium ions followed by an increase in the permeability to potassium.

The initiation of action potentials by local graded depolarisations is briefly alluded to but not described in detail.

An electrical model of the membrane whereby permeability is analogous to conductance and equilibrium potentials to batteries, is explained such that permeability changes can then be considered in terms of conductance changes.

Attribution(s)

Dr. B.W. Payton

Credits

B.W. Payton, C. Barrett, W. Sturge, C. George

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 10: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD copy

TAPE 45 (M.A.V.S. #17)**Title**

Anatomy of the Back of the Lower Limb and Sole of Foot
Pt. II. Calf of the Leg

Date(s) of Creation

March 1976

Dimensions

$\frac{3}{4}$ " videocassette (27.5 min.) : b&w
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: Using a prosected specimen, appropriate bones, and diagrams, the anatomy of the popliteal fossa and the structures in the posterior compartment of the leg are demonstrated. These comprise the cutaneous nerves, the short saphenous nerve, the gastrocnemius plantaris and soleus muscles, the tibial nerve and posterior tibial artery and their branches. The situation and origin of the three deep muscles of the calf flexor hallucis longus, flexor digitorum longus and tibialis posterior, are shown. The relationships of the nerves, arteries and tendons on the medial side of the ankle are described.

Attribution(s)

Dr. J.D. Tomlinson

Credits

Graphics: C. George

Production

B. Payton, C. Barrett, and W. Sturge
M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 10: $\frac{3}{4}$ " Videocassette
Coll-012 - Box 8: DVD #30

TAPE 46 (M.A.V.S. #18)**Title**

Anatomy of the Back of the Lower Limb and Sole of Foot
Pt. III. Sole of Foot

Date(s) of Creation

March 1976

Dimensions

¾" videocassette (47 min.) : b&w
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: Using prosected specimens, appropriate bones and diagrams, the arrangement of the structures comprising the sole of the foot are demonstrated. This includes the termination and distribution of the tibial nerve and posterior tibial artery, together with the four muscle layers which are described successively.

A brief description is given of the arches of the foot and the factors responsible for their maintenance.

Attribution(s)

Dr. J. D. Tomlinson

Credits

Graphics: C. George

Production

B. Payton, C. Barrett, and W. Sturge

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 10: ¾" Videocassette

Coll-012 - Box 8: DVD #31

TAPE 47 (M.A.V.S. #19)**Title**

Anatomy of the Heart
Pt. I. External morphology and coronary circulation

Date(s) of Creation

March 1976

Dimensions

¾" videocassette (35 min.) : b&w
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: Using models and preserved human hearts, this tape demonstrates and displays the following:-

- External surfaces and position of the main chamber
- Major blood vessels entering and leaving the heart
- The coronary blood vessels and their branches

Attribution(s)

Dr. J.D. Tomlinson

Credits

Graphics: C. George

Production

B.W. Payton, C. Barrett and W. Sturge
M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 11: ¾" Videocassette
Coll-012 - Box 8: DVD #32

TAPE 48 (M.A.V.S. #20)**Title**

Anatomy of the Heart: Pt. II. Internal Morphology

Date(s) of Creation

March, 1976

Dimensions

¾" videocassette (33 min.) : b&w
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: Again using models and preserved human hearts, this tape demonstrates and displays the following features:-

The internal morphology of each of the main chambers.

The heart valves and their associated structures.

The location of the conducting system.

Attribution(s)

Dr. J.D. Tomlinson

Credits

Graphics: C. George

Production

B.W. Payton, C. Barrett, and W. Sturge

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 11: ¾" Videocassette

Coll-012 - Box 8: DVD #33

TAPE 49 (M.A.V.S. #7)**Title**

The Jubilee Reflex

Date(s) of Creation

January 1977

Dimensions

¾" videocassette (7 min.) : col.
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: "The action potential can be likened to the burning of a trail of gun-powder". Suggested by the above simile, this short demonstration uses a pyrotechnic – paradigm, to show the 'all or none' nature of the nerve impulse, its ability to release transmitter substances and the subsequent excitatory action of the transmitter.

Attributions

Dr. B.W. Payton

Credits

Script, production and editing: B.W. Payton
Camera and sound: W. Sturge, C. Barrett

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 11: ¾" Videocassette
Coll-012 - Box 8: DVDs #3 and 36

Note

DVD # 36 donated by Dr. Brian Payton

TAPE 50 (M.A.V.S. #9)**Title**

Synaptic Transmission I: Historical Development

Date(s) of Creation

December 1975

Dimensions

$\frac{3}{4}$ " videocassette (42 min.) : b&w
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: A videotaped lecture illustrated by simple graphics.

Contents include the following: a simple account of basic elements of neurones, a simple reflex arc, the concept of the neurone theory, the concept of the neurone theory, the definition of a synapse.

Following a brief account of the somatic and autonomic divisions of the central nervous systems, early experiments laying the foundation for the theory of chemical transmission at synapses are presented.

Finally the criteria accepted for chemical transmission at particular synapses are presented and discussed.

Attribution(s)

Dr. B.W. Payton

Credits

Production: B.W. Payton, W. Sturge, C. Barrett, K. Kennedy

Graphics: C. George

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 11: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVDs #3 and 36

Note

DVD #36 donated by Dr. Brian Payton

TAPE 51 (M.A.V.S. #10)**Title**

Synaptic Transmission II: Structure and electrophysiology of Electrononic Synapses

Date(s) of Creation

December 1975

Dimensions

$\frac{3}{4}$ " videocassette (51 min.) : b&w
Master Tape

Availability of Other Formats

Also available in DVD

Scope and Content

Summary: A videotaped lecture, illustrated by simple graphics and photographs.

The content includes a description of an electrical synapse as exemplified by the synapse in the crayfish septate axon. The electrical properties of such a synapse are explained in terms of a simple passive resistive network.

The occurrence of electrical synapses between smooth and cardiac muscle is alluded to and the functional significance and properties of such junctions are briefly discussed.

Attribution(s)

Dr. B.W. Payton

Credits

Production: B.W. Payton, W. Sturge, C. Barrett, K. Kennedy

Graphics: C. George

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 11: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD #3 and 36

TAPE 52 (M.A.V.S. #47)**Title**

Lord Taylor – Craft of Medicine

Date(s) of Creation

September 1973

Dimensions

¾" videocassette (70 min.) : col.

Availability of Other Formats

Also available in DVD

Scope and Content

Summary: Lord Taylor's address to the Medical students, entitled "Craft of Medicine", September 1973.

Attribution(s)

Dr. Brian Payton

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 11: ¾" Videocassette

Coll-012 - Box 8: DVD #5

Note

De-accessioned Health Sciences Library copy.
See also Tapes 53 and 54.

TAPE 53 (M.A.V.S. #47)**Title**

Lord Taylor – Craft of Medicine

Date(s) of Creation

September 1973

Dimensions

$\frac{3}{4}$ " videocassette (70 min.) : col.

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: Lord Taylor's address to the Medical students, entitled "Craft of Medicine".

Location

Coll-012 - Box 11: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD #5

Note

See also Tapes 52 and 54.

TAPE 54 (M.A.V.S. #47)**Title**

Lord Taylor – Craft of Medicine

Date(s) of Creation

September 1973

Dimensions

$\frac{3}{4}$ " videocassette (70 min.) : col.

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: Lord Taylor's address to the Medical students, entitled "Craft of Medicine", September 1973.

Location

Coll-012 - Box 11: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD #5

Note

See also Tapes 52 and 53.

TAPE 55 (M.A.V.S. #11)**Title**

Synaptic Transmission III: Structure and electrophysiology of the Neuromuscular Junction

Date(s) of Creation

December 1975

Dimensions

¾" videocassette (48 min.) : b&w
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: A videotaped lecture illustrated by simple graphics and photographs.

The contents include a general description of this synapse at both light and electromicroscope levels, an account of some of the early experiments by Kuffler on single muscle fibre preparations as well as the intracellular recording studies of Fatt and Katz. The electrophysiological events occurring in the end plate regions are described and related to particular ion conductance changes.

The role of acetylcholine, the neurotransmitter, is outlined and the antagonism of its activity by tubocurarine is also briefly presented.

The ability of chemical synapses to integrate presynaptic activity is introduced by a consideration of temporal summation of post synaptic responses in curarised muscle.

Attribution(s)

Dr. B.W. Payton

Credits

Production: B.W. Payton, W. Sturge, C. Barrett, K. Kennedy

Graphics: C. George

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 12: ¾" Videocassette

Coll-012 - Box 8: DVD #34

TAPE 56 (M.A.V.S. #12)**Title**

Synaptic Transmission IV: Structure and electrophysiology of Interneural Synapses

Date(s) of Creation

January 1976

Dimensions

$\frac{3}{4}$ " videocassette (27 min.) : b&w
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: A videotaped lecture illustrated by simple graphics and photographs.

The contents include a general description of interneural synapses and the multiplicity of presynaptic inputs. Electron-micrographs of such synapses are shown.

The electrophysiological events and conductance changes occurring during an excitatory post synaptic potential are described.

The ability of these synapses to integrate presynaptic activity both spatially and temporally is outlined and related to the multiplicity of inputs and the nature of chemical transmission processes.

Attribution(s)

Dr. B.W. Payton

Credits

Production: B.W. Payton, W. Sturge, C. Barrett, K. Kennedy

Graphics: C. George

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 12: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD #34

TAPE 57 (M.A.V.S. #13)**Title**

Synaptic Transmission V: Transmitter Release at the Neuromuscular Junction, Pre and post-Synaptic Inhibition

Date(s) of Creation

January 1976

Dimensions

$\frac{3}{4}$ " videocassette (42 min.) : b&w
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: A videotaped lecture illustrated by simple graphics.

The contents include an elementary review of the sequence of events at excitatory synapses, the quantal nature of transmitter release (as shown by electrophysiological studies at the neuromuscular junction) and brief reference to the role of Ca^{++} and Mg^{++} in acetylcholine release.

A brief description of presynaptic inhibitory mechanisms, explained in terms of decreased output of excitatory transmitter from an appropriate presynaptic input, is given.

The nature and electrophysiological events occurring during postsynaptic inhibition are described and related to specific ion conductance changes (K and Cl).

Finally, integration of presynaptic activity at a neural synapse is considered as a summing of particular conductance changes brought about by both excitatory and inhibitory transmitters released from multiple converging inputs firing with independent temporal patterns.

Attribution(s)

Dr. B.W. Payton

Credits

Production: B. W. Payton, W. Sturge, C. Barrett. K. Kennedy

Graphics: C George

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 12: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD #34

TAPE 58 (M.A.V.S. #14)**Title**

Functional Localization in the Cat Cortex

Date(s) of Creation

January 1976

Dimensions

$\frac{3}{4}$ " videocassette (45 min.) : b&w
Master Tape

Availability of other formats

Also available on DVD

Scope and Content

Summary: A videotaped demonstration presenting the electrophysiological evidence which indicates that particular anatomical regions of the cerebral cortex are intimately connected with specific motor or sensory functions. A brief outline of the surgical and electrophysiological techniques, as well as samples of experimental design, such as repeatability and negative controls, are also shown.

Surgical techniques: - The exposure of the living cortex by trephining and removal of large areas of the skull are shown as is the removal of the dura mater.

Electrophysiological methods: - The use of mono- and bipolar stimulating and recording electrodes, their positioning by micromanipulators and the display of evoked potentials are shown.

Anatomy: - The major cortical areas in the cat brain associated with motor, somatosensory, auditory and visual functions are shown in vivo and on the subsequently isolated brain.

Physiology: - Functional and somatotopic localization of motor and somatosensory events are demonstrated following focal stimulation and/or appearance of evoked potentials. Likewise evoked potentials to auditory and visual stimuli are shown.

Master tape on file.

Attribution(s)

Drs. B.W. Payton, J.D. Tomlinson and S. White

Credits

Production: B.W. Payton, C. Barrett, W. Sturge

Graphics: C. George

Productions

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 12: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD #35

TAPE 59 (M.A.V.S. #15)**Title**

Functional Localization in the Spinal Roots of the Cat

Date(s) of Creation

January 1976

Dimensions

$\frac{3}{4}$ " videocassette (36 min.) : b&w
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: A videotaped demonstration presenting, in vivo and in vitro, the anatomical features of the formation of dorsal and ventral roots from peripheral nerves, the insertion and origin of these roots from the spinal cord and the relation of these structures to the vertebral canal and intervertebral foramina.

The localisation of motor nerve axons in the ventral roots and the sensory nerve axons on the dorsal roots is demonstrated by electrophysiological techniques involving stimulation and/or recording of activity in different locations and situations.

Experimental methods and procedures such as laminectomy, to expose the living cord and roots, as well as electrophysiological techniques of stimulation and display are also briefly outlined and shown.

Attribution(s)

B.W. Payton, J.D. Tomlinson, and S. White

Credits

Production: B.W. Payton, C. Barrett, W. Sturge

Graphics: C. George

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 12: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD #35

TAPE 60 (M.A.V.S. #16)**Title**

Anatomy of the Back of the Lower Limb and Sole of Foot
Pt. I. Buttock and back of thigh

Date(s) of Creation

March 1976

Dimensions

¾" videocassette (39 min.) : b&w
Master Tape

Availability of Other Formats

Also available on DVD

Scope and Content

Summary: Using a prosected specimen, appropriate bones and diagrams, a brief review is given of the anatomy of the gluteal region. This includes the gluteus maximus, periformis, obturator internus, and its gemilli, and quadratus femoris muscles. The blood vessels and nerves emerging at the lower border of piriformis are demonstrated.

A dissection demonstrating the structures compromising the posterior compartment of the thigh is shown. This includes the sciatic nerve and its two components, the tibial and common peroneal nerves, the popliteal vessels, semitendinous, semimembranous, beiceps femoris, and adductor magnus muscles, and the termination of the perforating branches of the profunda femoris artery.

Attribution(s)

J.D. Tomlinson

Credits

Production: B. Payton, C. Barrett, W. Sturge
Graphics: C. George

Production

M.A.V.S., Faculty of Medicine, Memorial University of Newfoundland

Location

Coll-012 - Box 12: ¾" Videocassette
Coll-012 - Box 8: DVD #35

TAPE 61 (M.A.V.S. #N/A)**Title**

The Anatomy class

Parallel Title

View of an Anatomy class

Date(s) of Creation

1970

Dimensions

$\frac{3}{4}$ " videocassette (8 min.) : b&w

Availability of Other Formats

Also available on DVD

Scope and Content

The videotape was filmed by Jim Hansen in 1970 showing scenes of Dr. Tomlinson teaching the first class of medical students at Memorial.

Location

Coll-012 - Box 12: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD #5

See also Tape 62

TAPE 62 (M.A.V.S. #10)**Title**

The Anatomy class

Parallel Title

View of an Anatomy class

Date(s) of Creation

1970

Dimensions

$\frac{3}{4}$ " videocassette (8 min.) : b&w

Availability of Other Formats

Also available on DVD

Scope and Content

The videotape was filmed by Jim Hansen in 1970 showing scenes of Dr. Tomlinson teaching the first class of medical students at Memorial.

Location

Coll-012 - Box 12: $\frac{3}{4}$ " Videocassette

Coll-012 - Box 8: DVD #5

Accession # 06-012

See also Tape 61

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