International Workshop at MSU

MAJOR STEP TAKEN IN OBJECTIVE
ANALYSIS OF MANIPULATIVE THERAPY

Manipulative therapy -- the use of manually applied forces to the body for the relief of pain and other impairments -- has long been a tool of the osteopathic physician and others. Beginning with the earliest shepherd "bonesetters," it has been employed since antiquity as an effective treatment in spite of the fact that little was known about how or why it works.

In the first coordinated effort to objectively research the issues surrounding manipulative therapy, an international conference on the topic is being held at Michigan State University October 23-26.

The workshop on neurobiologic mechanisms in manipulative therapy, sponsored by the MSU College of Osteopathic Medicine, has been funded by a $39,000 grant from the National Institute of Neurological and Communicative Disorders and Stroke.

Irvin M. Korr, Ph.D., professor of biomechanics, is chairman of the planning committee.

The invitational conference will include 37 eminent scientists, osteopathic and allopathic physicians and chiropractors, from the United States, Canada, England, Australia, Czechoslovakia, Sweden and Switzerland.

Objectives of the workshop include the identification of questions in neurobiology which emerge from clinical observations in the practice of manipulative therapy, the quest for answers in research findings which are already available, and the projection of needed lines of research.

The program for Sunday evening includes registration and a preview of the conference.

(more)
Continuation

Monday morning's presentations will focus on questions which emerge with clinical observation during manipulative therapy, and will be chaired by Murray Goldstein, D.O., M.P.H., director of the Stroke and Trauma Program of the National Institute of Neurological and Communicative Disorders and Stroke.

On Monday afternoon, presentations will include an analysis of the importance of impulse-based mechanisms in relation to manipulative therapy. Chairman for this section is Horace W. Magoun, Ph.D., professor emeritus, Department of Psychiatry, School of Medicine, University of California at Los Angeles.

Non-impulse based mechanisms will be the focus of the program on Tuesday, which is headed by Fred E. Samson, Ph.D., director of the Kansas Center for Mental Retardation and Human Development, Ralph L. Smith Mental Retardation Research Center.

Friday's program, chaired by Dr. Korr, will include summaries by session chairmen, and discussion of the areas of overlap between impulse and non-impulse-based mechanisms, the relating of clinical observations and experimental findings, areas of neurobiology not considered at the workshop that might be relevant, non-neurologic mechanisms in manipulative therapy, and needed research and clinical and experimental approaches.

The workshop planning committee is composed of Dr. Korr, Dr. Magoun, Thomas Adams, Ph.D., professor of physiology; Martin Balaban, Ph.D., professor of zoology; James Cunningham, D.V.M., Ph.D., associate professor of physiology, small animal surgery and medicine, and African Studies Center; and Sidney Ochs, Ph.D., professor of physiology, Indiana University School of Medicine.

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NOVEMBER 4 CONVOCATION TO FEATURE MAWBY, PATENGE AWARDS

The seventh annual convocation of the MSU College of Osteopathic Medicine will be held at 3:30 p.m. Friday, November 4, in the Erickson Kiva.

Keynote speaker for the event will be Russell G. Mawby, Ph.D., president of the W. K. Kellogg Foundation since 1970.

The convocation is held each year to honor the entering class, which this year, with 35 women and 75 men, is the largest to enroll in the medical school.

Dr. Mawby and three other persons will receive the Walter F. Patenge Medals of Public Service for distinguished achievement in education, medicine or civic service. The award is named for the president of the Michigan Osteopathic Medicine Advisory Board, who is a long-time supporter of the osteopathic profession.

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TOM JENKINS HONORED WITH SILVER ANNIVERSARY CELEBRATION

A radio and engraved tankard were presented to Thomas Jenkins, Ph.D., professor of anatomy, by 60 members of his department to recognize his silver anniversary as an MSU faculty member.

Jenkins maintained that "the first 25 years were the best" to those gathered in his honor at a cocktail party at the University Club September 30.
Rosemary Havey, D.O., a 1974 graduate of the MSU College of Osteopathic Medicine, has been spotlighted by both the lay and professional press recently.

She had previously gained national attention on her graduation as the first religious Sister who is a physician in private practice in the United States. She has now served two years as a family practitioner in Sebewaing, in Michigan's thumb area.

Her study, "Oncologic Survey and Clinical Screening of Religious Sisters," was published in the July issue of the Journal of the American Osteopathic Association. Her findings indicated that, in comparison to the general female population, the incidence of cancers of the breast and uterine fundus were more prevalent in the Sisters, and that their rate of cervical cancer was nearly equal that of the general population. They also reported no lung cancer and a much lower incidence of colorectal cancer.

An interview with Millicent Lane of the State Journal in Lansing in September was picked up by the Associated Press and distributed nationally.

Finally, Medical World News featured a summary of her oncologic survey in its September 19, 1977 issue (below).
Clinton R. Edson, a first-year student in the College of Osteopathic Medicine, was the winner of a $2000 scholarship awarded by the New Jersey Association of Osteopathic Physicians and Surgeons.

John P. Goodridge, D.O., professor of biomechanics, and Fred L. Mitchell, D.O., professor of biomechanics, presented tutorials on "Muscle Energy Diagnostic and Treatment Procedures" at the Ohio University College of Osteopathic Medicine from August 29 through September 2, and at the Michigan Center for Continuing Education in Osteopathic Medicine from September 19-23.

Philip E. Greenman, D.O., associate dean for academic affairs, served on a panel discussing "Why Osteopathic Documentation -- or Rather, Why Not?" at the October 10 meeting of the American Osteopathic Hospital Association in Seattle. Other panel participants were Edward Stiles, D.O., and G. Gilbert Tallau.

Robert P. Hubbard, Ph.D., assistant professor of biomechanics and metallurgy, mechanics and materials science, attended the International Workshop on Human Subjects for Biomechanical Research and the Stapp Car Crash Conference in New Orleans during October 19-21. He presented a paper at the Stapp conference on "Geometric, Inertial, and Joint Characteristics of Two Part Dummies for Occupant Modeling." Both meetings were forums for results and ideas in basic and applied research in traumatic injury and protective design.

Brigitte Jordan, Ph.D., assistant professor of community medicine and anthropology, presented a paper on "Reklame Uber Alkohol und Alkoholgebrauch in amerikanischen Volkszeitungen" at the 23rd International Institute on the Prevention and Treatment of Alcoholism, held in Dresden, East Germany. This paper has been published by ICAA, Lausanne, Switzerland, under the title "The Portrayal of Liquor and Liquor Consumption in Popular U.S. Magazines" in the preconference proceedings. Coauthor is Jo Ann Goldberg, a postdoctoral fellow in MSU's Department of Human Development.

Dr. Jordan also appeared September 27 on "Kelly and Company," WXYZ-TV, Detroit, to discuss an advertising research project.

Richard M. Roppel, Ph.D., associate professor of biomechanics, was invited to address "the annual meeting of the Cranial Academy on his studies on the accuracy of manual perception of motion, and offered the opportunity to test their palpatory skills on an artificial "cranium." He also presented papers at the American Osteopathic Association Research Convention on "Measurement of Accuracy in Bimanual Perception of Motion" (with Norma St. Pierre and Fred Mitchell Jr., D.O., professor of biomechanics) and "Electrodermographic Study of Hypertensives" (with William Johnston, D.O., professor of biomechanics, St. Pierre, and David West, M.A., specialist, Office of Planning).

Dr. Roppel also presented a paper on "The Lepidopteran Ventral Diaphragm in Neurosecretion" at the meeting of the Georgia Academy of Science. He served as cochairman with Ernest Retzlaff, Ph.D., professor of biomechanics, of a seminar on diagnosis by electrophoresis at the Michigan Center for Continuing Education in Osteopathic Medicine, where he presented a paper on "Pattern Recognition Methods in Medical Diagnosis: An Overview."
COMMUNIQUE

Please use this form for submission of material for the biweekly College of Osteopathic Medicine Communiqué.

Items might include achievements and activities of College personnel such as honors and awards, publications, papers, professional offices, and participation in programs and committees.

The form may also be used for items for the Calendar of Events, suggestions for feature stories, updating of programs, and provision of any other information that might be pertinent for publication in the newsletter.

The editors and editorial advisory committee retain the right to edit or exclude any material.

Please print or type, and do not include any information that is more than one month old.

Date of submission

Name

Position

Highest degree

Address

Phone

CALENDAR ITEMS

Date

Time

Event

Sponsor

Location

Other information

NEWS ITEMS OR FEATURE SUGGESTIONS

PLEASE RETURN TO the Health and Medicine Section, Information Services, A331 East Fee, Michigan State University, East Lansing, MI 48824. For assistance call 517/353-0820.
'INTERNATIONAL PERSPECTIVES ON MANIPULATIVE THERAPY'
SPONSORED BY STUDENT OSTEOPATHIC MEDICAL ASSOCIATION

The MSU-COM Student Osteopathic Medical Association is sponsoring a seminar, "International Perspectives on Manipulative Therapy" on Wednesday, October 26 and Thursday, October 27. Each session will begin at 7:00 p.m. in E106 Fee Hall.

The following speakers and tentative topics are scheduled:

WEDNESDAY, OCTOBER 26

Scott Haldeman, D.C., M.Sc., Ph.D., M.D.
Department of Neurology, University of California at Irvine
"What is Spinal Manipulative Therapy?" Manipulation viewed from a physiotherapeutic, chiropractic, osteopathic, and medical perspective.

Sir Sydeny Sunderland
University of Melbourne, Victoria, Australia
Unspecified topic

THURSDAY, OCTOBER 27

Alfred Buerger, Ph.D.
Department of Physical Medicine and Rehabilitation
California College of Medicine, University of California at Irvine
"Clinical Trials of Manipulation Therapy"

Doc. MUDr. K. Lewit
Prague, Czechoslovakia
Topics open, but might include mechanisms of headache of cervical origin, vertigo of cervical origin, pain and dysaesthesia in the upper extremity, or radicular and pseudoradicular pain.

Robert Kappler, D.O., F.A.A.O. (tentative)
Professor, Chicago College of Osteopathic Medicine

Students, faculty and staff are invited to participate in the discussion to follow each of the speaker's presentations.
MONDAY, OCTOBER 24, 1977

8:30 a.m.  Research workshop on Neurobiologic Mechanisms in Manipulative Therapy. Invitational. Kellogg Center.


TUESDAY, OCTOBER 25, 1977

8:30 a.m.  Neurobiologic Mechanisms in Manipulative Therapy.

11:30 a.m.  Faculty Development Program workshop: "Preparing Course Overview Materials." Includes analysis of sample overview and distribution of skeleton overview materials. Lunch provided. E2 Fee Hall.

4 p.m.  Unit III center representatives. Michigan Center for Continuing Education in Osteopathic Medicine, Pontiac.

WEDNESDAY, OCTOBER 26, 1977

8:30 a.m.  Neurobiologic Mechanisms in Manipulative Therapy.

10 a.m.  Dean's conference hour. Year I students. E105 Fee.

THURSDAY, OCTOBER 27, 1977

12:00 p.m.  Pharmacology seminar: J. Coote, Department of Physiology, University of Birmingham, England. "Central Nervous Pathways and Transmitters Involved in Blood Pressure Regulation." B449 Life Sciences.


The next calendar will cover Monday, Nov. 7, through Monday, Nov. 21. Deadline for inclusion of material is Friday, Oct. 28. Contact Health and Medicine Information, A331 E. Fee, 353-0820.
MONDAY, OCTOBER 31, 1977


11:30 a.m. Biochemistry seminar: Frank Gaertner, Graduate School of Biomedical Sciences at Oak Ridge, University of Tennessee. "One Gene, One Polypeptide, Five Enzymes." 101 Biochemistry.

4 p.m. Physiology seminar: Chuck Hodson, Ph.D., "Influence of Transplantable Mammtropic Pituitary Tumors on Hypothalamic and Pituitary Function." 146 Giltnier.

TUESDAY, NOVEMBER 1, 1977

Deadline for applications for 1978 entering class to MSU College of Osteopathic Medicine through ACOMAS.

10 a.m. Organizational meeting: College of Osteopathic Medicine faculty spouses. Meeting will include presentation of bylaws and election of officers. Home of Judy Kay, 1740 Shaker Rd., Okemos. For information, call 351-2352 or 349-9282.

4 p.m. Pharmacology seminar: K. M. McCormack, MSU Department of Pharmacology. "Renal and Hepatic Microsomal Enzyme Stimulation and Renal Function Following PEBs." B449 Life Sciences.

WEDNESDAY, NOVEMBER 2, 1977

10 a.m. Dean's conference hour. Year II students. E106 Fee.

11:30 a.m. Faculty Development Program workshop: "Introduction to Computers." Lunch provided. E2 Fee.

1 p.m. Curriculum Committee. A316 E. Fee.

THURSDAY, NOVEMBER 3, 1977


FRIDAY, NOVEMBER 4, 1977

3:30 p.m. College of Osteopathic Medicine convocation. Russell G. Mabry, Ph.D., president of Kellogg Foundation, is keynote speaker. Patenage awards will be made. Erickson Kiva.

The next calendar will cover Monday, Nov. 7, through Monday, Nov. 21. Deadline for inclusion of material is Friday, Oct. 28. Contact Health and Medicine Information, A331 E. Fee, 353-0820.
A limited number of loan-interest deferred-payment loans of up to $1000 per year are available to second- and third-year MSU College of Osteopathic Medicine students through the Michigan Osteopathic College Foundation.

Minimum repayment of these funds would be $120 per quarter, beginning no later than one year after graduation. Interest of three percent per year accrues from the date of graduation.

Eligibility requirements for loans include being a second- or third-year student in good standing at MSU-COM, establishing Michigan residency at least six months before application, and agreeing to establish a practice in Michigan for a minimum of five years following completion of the D.O. degree and one year's internship. Need is certified by the MSU financial aid office.

Applications and additional information can be obtained from Robert Fedore, Ph.D., assistant dean for student affairs, A339 E. Fee, 353-7741, or MSU Financial Aid Advising and Loans Division, 264 Student Services, 353-9180.

More than 40 persons braved a cold and rainy Sunday afternoon to attend the College of Osteopathic Medicine faculty family picnic at Patriarche Park October 2.

Fortified by a potluck feast, the picknickers demonstrated their prowess (or lack) on the volleyball court. Of note was a sterling athletic performance by Margaret Ajunwa, D.O. assistant professor of family medicine, who, replete with high shoes and long dress, outvolved the best.

Representing the MSU College of Osteopathic Medicine at the Michigan Medical Schools Council of Deans retreat in Bellaire September 11-13 were Philip E. Greenman, D.O., associate dean for academic affairs; Allen W. Jacobs, Ph.D., assistant dean for educational resources; Ruth Lezotte, Ph.D., director of curriculum planning and implementation, and George Ristow, D.O., associate professor of osteopathic medicine.

Richard E. Griffin, D.O., associate professor of family medicine, was elected the chairman of the College of Osteopathic Medicine Curriculum Committee at its first meeting this fall. Allen W. Jacobs, Ph.D., assistant dean for educational resources, remains as the College's representative to the University Curriculum Committee.

Late applications are still being taken for a seven-day cruise and continuing medical education program to the Caribbean and South America from January 28 to February 4. Sponsors are the Michigan Osteopathic College Foundation and the Michigan Center for Continuing Education in Osteopathic Medicine. For information, contact the Center, 313-335-7742.
A series of three-day workshops on interpersonal process recall will be held at MSU's Kellogg Center to teach medical educators how to sensitize students to dynamics which occur in interpersonal relationships with patients and other health professionals.

The workshops, tailored by specialty, are developed and taught by Norman I. Kagan, Ph.D., professor of CUMED, of psychiatry, and of counseling, personnel services and educational psychology.

Designed to improve interpersonal "straight" communication and enhance awareness of interpersonal style, the workshops will include lecture, film, laboratory sessions, video and audio playback, and a 380-page instructional manual.

Registration fee for the workshops is $240, plus $5 each for luncheons.

Program Schedule

Psychiatry, Psychology, Social Work  October 31-November 2
Obstetrics and Gynecology, Surgery, Pediatrics
Dental, Pharmacy, Nursing, Dietetics  December 5 - 7
Directors of Continuing Medical Education, Behavioral Scientists  January 23 - 25
Allied Health Professionals, Physicians Assistants  February 20 - 22
Workshop for Users of IPR Model  March 6 - 8

For further information, contact the Kellogg Center, 353-7782.

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Nephrology Research Group

Persons interested in kidney-related research are invited to attend the regular meetings of the Nephrology Research Group, each Thursday at 4 p.m. in 448 Life Sciences. For information, contact J. B. Hook, Ph.D., professor of pharmacology, 353-3718.

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The following article on MSU's Placental Tissue Registry appeared in the Detroit Free Press Sunday, October 9. Directors of the registry are Charles H. Sander, M.D., professor and associate chairman of pathology, and Henry A. Kallett, D.O., associate professor of pathology.

Dolores Katz
Medicine

The Placenta Registry—Making Birth Safer

The young Michigan woman had been pregnant twice. Both babies had died shortly after birth from severe bacterial infections.

The second time this happened, the doctor sent the placenta — the afterbirth — to the Placental Tissue Registry at Michigan State University in Lansing.

Dr. Joseph Cippinone, the registry's founder, examined the placenta and noticed that the outer membranes, which form the fluid-filled sack that holds the baby, were badly inflamed. One of the causes of such inflammation is an over-large cervix that permits bacteria to enter the womb.

Cippinone suggested that the woman's cervix, which forms the opening into the uterus, be tightened.

In a simple operation, a surgeon sewed around the woman's cervix with a purse-string stitch, pulled on the strings, and made the cervical opening smaller.

In her next two pregnancies, the woman gave birth to healthy babies.

The Short-Lived Placenta

The babies are two of the more obvious benefits of the seven-year-old registry, founded in 1970 to study most short-lived of all organs, the placenta.

For nine months, this flat, spongy disk that clings to the upper portion of the uterus grows with and feeds the developing infant, breathes for it, eliminates its wastes, and protects it from infection.

It does this by providing a "meeting ground" for the mother's blood and the baby's blood, so that nutrients and oxygen can flow from mother to baby, and waste material can pass from the baby's blood into the mother's.

The two blood systems never mix. The placenta keeps them separate to prevent an immune reaction that could destroy the baby.

And it does more. It secretes hormones that maintain the lining of the uterus, where the baby is growing, and other hormones that prepare the breasts to produce milk after the baby is born.

And after nine months, this saucer-shaped, inch-thick, two-pound organ is unceremoniously expelled by the uterus. Most mothers in the animal world then eat this nutritious organ. The civilized, human mother does not.

At the request of the registry, doctors at hospitals (mostly small hospitals) throughout Michigan have been sending the placentas and sending them on to Lansing whenever they are part of an "unusual" birth — a sick mother, sick baby, multiple birth, or a placenta that looks abnormal.

To date, some 800 placentas have been collected by the registry. Preserved in fluid, they are placed in small glass vials or white plastic buckets that line the cupboards, the counters, the tables, and even the floors of the three small rooms that constitute the registry.

As noted, some practical benefits have come out of the registry. Sometimes registry pathologists have been able to identify causes of death, or offer suggestions that enable women to bear healthy children. Recently, Dr. Charles Sander, the registry's present director, identified what appears to be a rare blood disorder from the placenta of a baby who was born dead.

Although doctors cannot prevent the blood disorder, which is basically an allergic reaction between mother and child, they can follow the mother more closely during her pregnancy. They may be able to give the infant a transfusion before it's born, or deliver the baby early if it appears to be in serious trouble.

But mostly the registry is concerned with basic research, the kind that seeks to answer questions just because they're interesting, and not for any immediately obvious practical benefit.

The Behavior of Viruses

For example, Sander is intrigued by the behavior of viruses in the placenta. Sometimes an infant will be born badly deformed from a viral infection, like rubella, that has managed to cross the placenta — but the placenta itself will show no sign of infection.

And sometimes the placenta will be massively scarred and swollen from a virus infection, but there will be no sign of damage to either mother or child, and no history of infection in the mother.

Sander suspects that these different reactions occur at different stages in the placenta's growth. If a virus invades the uterus in the early months of pregnancy, the placenta may not be mature enough to react to the infection, and it will pass right through to the developing baby.

Later in the pregnancy, the placenta may be able to battle with the virus, and prevent it from crossing over to the infant.

Sander is now trying to pinpoint exactly where in the placenta this proposed battle with the viruses is fought. Perhaps the confrontation occurs in the blood vessels, or in the membrane that separates the mother's blood from the baby's blood.

"We don't have any immediate use for this knowledge," he admits. "But history has shown that by knowing these things, you eventually come up with new directions for treatment.

"And that's what he whole thing's all about."
NEWS AND INFORMATION FOR UNIT III STUDENTS

Applications for Electives

Although application forms for electives for winter term (January - March 1978) were due in the Unit III office by October 15, many Unit III students have not yet properly completed and submitted them. Students unsure whether an elective has been approved by the Unit III office should inquire. Students with approved electives should have received a copy of the letter sent to the physician with whom they will be doing the elective.

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Unit III Offices Moved

Gordon Spink, Ph.D., D.O., Unit III coordinator, and Nancy Shaffer, office assistant, have moved their offices to A317 E. Fee Hall. Their new phone number is 353-8823.

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Upcoming Dates

Upcoming dates of interest to Unit III students include hooding ceremonies on Friday, June 9, 1978, and graduation on Saturday, June 10, 1978.

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Center Representatives

Dr. Spink will meet with Unit III representatives at 4 p.m. the last Tuesday of each month (third Tuesday in December) at the Michigan Center for Continuing Education in Osteopathic Medicine in Pontiac. Center representatives include:

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<td>Grand Rapids</td>
<td>Jim Beyers</td>
<td>Petra Callejas</td>
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<td>DOH/Bi-County</td>
<td>Sally Clune, Michael</td>
<td>Ken Kendall</td>
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Emergency Medicine Externship

The Michigan Chapter of the American College of Emergency Physicians will award a 6 to 8 week externship in emergency medicine to a medical student from Michigan. The selected student will be given a choice of several clinical settings, and a stipend of $600 to $800. Applications will be accepted until January 1, 1978. For materials contact: Robert M. Williams, M.D., American College of Emergency Physicians, 9 Pennsylvania Plaza, Petoskey, 49770.

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Address Changes

It is extremely important that Unit III students maintain up-to-date mailing addresses and telephone numbers.

COMMUNIQUÉ

Communique, a newsletter publication of the Michigan State University College of Osteopathic Medicine, is issued 18 times a year through the Health and Medicine Section of the MSU Department of Information Services, A331 East Fee Hall, East Lansing, MI 48824, telephone: (517) 353-0820. Members of the Editorial Advisory Committee: Allen W. Jacobs, Ph.D., (chairman); Francis A. Bernier, Ph.D., Gordon C. Spink, Ph.D., D.O.; Nancy M. Houston, (editor), and Patricia Grauer, M.A. (associate editor). Production and circulation manager: Carol Howland.

Date of next issue: November 7. Copy deadline for next issue: October 28.