Clinical Programs
ON THE COVER

Clinical services offered by the Michigan State University College of Osteopathic Medicine provide care for the newborn to the elderly. The concept is illustrated in cover art by Linda Cowles.

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COMMUNIQUE Communique, a newsletter publication of the Michigan State University College of Osteopathic Medicine, is issued 15 times a year through the Health and Medicine Section of the MSU Department of Information Services, A314 East Fee Hall, East Lansing, MI 48824; telephone 517/353-0820. Members of the Editorial Advisory Committee include David Marler, Ph.D., Francis A. Bernier, Ph.D., Gordon C. Spink, D.O., Ph.D., Nancy M. Houston, B.A. (Editor), Patricia Grauer, M.A. (Managing Editor). Circulation manager is Carol Howland. Photography by Richard Wesley. Date of next issue will be October 15, 1979. Copy deadline for next issue is October 4, 1979.
MONDAY, NOVEMBER 12, 1979

3:30 p.m.  Dean's seminar: "Need in College Curriculum Preventive Medicine as it Relates to Occupational Issues" by Charles Ross, Shell Oil Corporation. Until 5 p.m.

TUESDAY, NOVEMBER 13, 1979

4 p.m.  Pharmacology and Toxicology seminar: Topic to be announced. Lawrence J. Marnett, Department of Chemistry, Wayne State University. B448 Life Sciences.

WEDNESDAY, NOVEMBER 14, 1979

8:15 a.m.  Faculty Development Program: "Clinical Teaching Skills -- Part I" by John Casbergue, Ph.D., associate professor, Office of Medical Education Research and Development. Until noon. For information, contact Sharon Rochon, 517/355-9611. E2 Fee Hall.

THURSDAY, NOVEMBER 15, 1979

8:15 a.m.  Faculty Development Program: "Clinical Teaching Skills -- Part II" by John Casbergue, Ph.D. E2 Fee Hall.

SUNDAY, NOVEMBER 18, 1979


TUESDAY, NOVEMBER 20, 1979

11:30 a.m.  Faculty Development Program: "Methods of Evaluation" by Norman Bell, Ph.D., director, instructional management system, Office of the Dean. Until 1 p.m. For information, contact Sharon Rochon, 517/355-9611. E2 Fee Hall.

4 p.m.  Pharmacology and Toxicology seminar: "Pharmacological Studies of Beta Adrenergic Receptors" by Carl Buckner, School of Pharmacy, University of Wisconsin. B448 Life Sciences.

THURSDAY, NOVEMBER 22, 1979

Thanksgiving recess. Through November 25.

TUESDAY, NOVEMBER 27, 1979

11:30 a.m.  Faculty Development Program: "Committee Leadership" by John Fry, Ph.D., assistant professor, Learning and Evaluation Services. For information, contact Sharon Rochon, 517/355-9611. E2 Fee Hall.

4 p.m.  Pharmacology and Toxicology seminar: Topic to be announced. Gerald Kelliher, Departments of Pharmacology and Medicine, Medical College of Pennsylvania. B448 Life Sciences.

TUESDAY, OCTOBER 2, 1979

8 a.m. Faculty Development Program: "Improving Lecture Skills" by William Anderson, Ph.D., assistant professor, Office of Medical Education Research and Development. Until 12 p.m. E2 Fee Hall. For information or registration, contact Sharon Rochon, 517/355-9611.

4 p.m. Pharmacology and Toxicology seminar: "Developmental Effects of Early Postnatal Treatment with Prochlorperazine in Rats" by Richard Rech, Ph.D., professor of pharmacology and toxicology. B448 Life Sciences.

TUESDAY, OCTOBER 9, 1979

11:30 a.m. Faculty Development Program: "Q & D Lecture Method" by Norman Bell, Ph.D., director, instructional management system, Office of the Dean. Until 1 p.m. For information, contact Sharon Rochon, 517/355-9611.

4 p.m. Pharmacology and Toxicology seminar: "The Regulation of Dopamine Biosynthesis in Tuberoinfundibular and Tuberohypophyseal Neurons" by Keith Demarest, Ph.D., NIH postdoctoral fellow, pharmacology and toxicology. B448 Life Sciences.

WEDNESDAY, OCTOBER 10, 1979

8:15 a.m. Faculty Development Program: "Small Group Skills: Development and Enhancement of Faculty Skills in Leading Small Groups" by John Casbergue, Ph.D., associate professor, Office of Medical Education Research and Development. E2 Fee Hall. For information, contact Sharon Rochon, 517/355-9611.


SUNDAY, OCTOBER 14, 1979


7 a.m. "Medical Focus, 1980," the fourteenth annual general practice seminar of the Northwestern Michigan Osteopathic Association. For information contact Margaret Graves, seminar coordinator, 616/947-5121, ext. 206. 14 hours CME credit requested. Park Place Motor Inn, Traverse City.
SUNDAY, OCTOBER 14, 1979

8 a.m.  "Medical Complications in Obstetrics" sponsored by the Tri-County OB/GYN Osteopathic Society and the Michigan Center for Continuing Education in Osteopathic Medicine. Program chairman is Paul Schneider, D.O. For information, contact Duane Tester, 313/335-7742.

MONDAY, OCTOBER 15, 1979

Due date for winter term selective applications for Unit III osteopathic medical students. Contact Unit III office for further information.

TUESDAY, OCTOBER 16, 1979

4 p.m.  Pharmacology and Toxicology seminar: Topic to be announced. Harvey Kaplan, Cardiovascular Section, Department of Pharmacology. Warner-Lambert/Parke-Davis. B448 Life Sciences.

THURSDAY, OCTOBER 18, 1979

1:30 p.m.  Community Health Science seminar: "A Decade of Social Medicine: The Work of the Department of Social Medicine at Montefiore Hospital and Medical Center, Bronx, New York" by Victor Sidel, Montefiore Hospital.

3:30 p.m.  Dean's seminar: "Health Care in China, 1971-1979: Implications for the United States" by Victor Sidel, Montefiore Hospital, Bronx, New York. Until 5 p.m.

SATURDAY, OCTOBER 20, 1979


TUESDAY, OCTOBER 23, 1979

4 p.m.  Pharmacology and Toxicology seminar: "Serotonergic Facilitation of Facial Motor Neuron Excitation" by Robert McCall, Cardiovascular Disease Research, The Upjohn Company. B448 Life Sciences.

FRIDAY, OCTOBER 26, 1979

11:30 a.m.  Meeting of the MSU-COM Council of Affiliated Hospitals. University Club.

3:30 p.m.  College of Osteopathic Medicine convocation. Held to honor the 1979 entering class of osteopathic medical students, the convocation will feature keynote speaker Ruth S. Hanft, deputy assistant secretary for health research, statistics and technology. The Walter F. Patenge Medals of Public Service will be presented to persons who have made significant contributions in medicine, education or public service. Erickson Kiva.
TUESDAY, OCTOBER 30, 1979

11:30 a.m. Faculty Development Program: "Time Management -- Part I" by Maxine Ferris, Ph.D., associate professor, Agriculture and Natural Resources Education Institute. Until 1 p.m. For information, contact Sharon Rochon, 517/355-9611. E2 Fee Hall.

4 p.m. Meeting of Unit III (Student) Center Representatives. University Club.

4 p.m. Pharmacology and Toxicology seminar: "The Influence of Positive Inotropic Agents on the Contractile and Cyclic Nucleotide Effects of Methacholine in Isolated Rat Atria" by Barry Brown, Ph.D., research associate, Pharmacology and Toxicology. B448 Life Sciences.

WEDNESDAY, OCTOBER 31, 1979

11:30 a.m. Faculty Development Program: "Time Management -- Part II" by Maxine Ferris, Ph.D. Until 1 p.m. For information, contact Sharon Rochon, 517/355-9611. E2 Fee Hall.

FRIDAY, NOVEMBER 2, 1979

8 a.m. "Legal and Ethical Aspects of Treatment for the Critically and Terminally Ill Patient" sponsored by the American Society of Law and Medicine, and numerous legal and medical societies. For information contact the Society at 617/262-4990. Detroit Plaza Hotel, Renaissance Center, Detroit.

SATURDAY, NOVEMBER 3, 1979

8 a.m. "Nephrology Update 1979" Gary L. Slick, D.O., is program chairman. Six and one-half CME credits have been requested. For information contact Duane M. Tester, Michigan Center for Continuing Education in Osteopathic Medicine, 900 Auburn Rd., Pontiac; 313/335-7742.

TUESDAY, NOVEMBER 6, 1979

4 p.m. Pharmacology and Toxicology seminar: "Mechanisms of Lipid Peroxidation" by Steven Aust, Ph.D., professor of biochemistry, MSU. B448 Life Sciences.

MONDAY, NOVEMBER 12, 1979

12 p.m. "Overview of the Biomedical Program Established during the Lunar Mission and Implications for Clinical Problem Solving" by Charles Ross of Shell Oil Corporation, formerly of the National Aeronautics and Space Administration.
From prenatal to geriatric care, from the broad scope of family practice to the complexities of neurosurgery, from public health clinics to the $18.1 million MSU Clinical Center, physicians and students from the Michigan State University College of Osteopathic Medicine are helping, healing, touching, teaching patients.

With education and research, service to the people of Michigan forms the foundation upon which programs of the College have been built.

In this issue of the "Communique", we will be focusing on the clinical programs of the College — the areas of service in which our faculty and students are regularly meeting the needs of a burgeoning patient population. We hope you will enjoy it.

Philip E. Greenman, D.O.
Associate dean for academic affairs
FAMILY MEDICINE PHYSICIANS STAFF
PRIMARY CARE MODULE AT CLINICAL CENTER

Physicians from the Department of Family Medicine staff a full-time group practice
at the Clinical Center under the direction of Lynn F. Brumm, D.O., Chairman of the
department.

Providing all kinds of primary care, the clinic utilizes four treatment rooms of
the first-floor (purple) module. Pediatrics occupies the other half of the unit.

Hours are 8 a.m. to 5 p.m. Mondays through Fridays, though there is a 24-hour on-call
system for both ambulatory and hospital patients of the clinic, Brumm said.

The fall schedule of physicians at the clinic includes:

<table>
<thead>
<tr>
<th>Mondays</th>
<th>AM</th>
<th>Gordon Spink, D.O., Ph.D., associate professor</th>
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<tr>
<td></td>
<td>PM</td>
<td>I.A. Marohn, D.O., associate professor</td>
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<td></td>
<td></td>
<td>Margaret Ajunwa, D.O., assistant professor</td>
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<td></td>
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<td>Joanne Grzeszak Shaltz, D.O., assistant clinical professor</td>
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<td>Tuesdays</td>
<td>AM</td>
<td>Ajunwa; Spink</td>
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<td></td>
<td>PM</td>
<td>Lynn F. Brumm, D.O., chairman</td>
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<td>Lon Hoover, D.O., associate professor</td>
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<td>Wednesdays</td>
<td>AM</td>
<td>Hoover; Roy Harvey, D.O., professor</td>
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<tr>
<td></td>
<td>PM</td>
<td>Harvey; Linda Coniglio, D.O., assistant professor</td>
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<tr>
<td>Thursdays</td>
<td>AM</td>
<td>Shaltz; John Thornburg, D.O., Ph.D., assistant professor</td>
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<td></td>
<td>PM</td>
<td>Daniel Raub, D.O., assistant professor</td>
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<td>Matthew Terry, D.O., assistant professor</td>
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<td>Fridays</td>
<td>AM,PM</td>
<td>Harvey; Ajunwa</td>
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</table>

Brumm said that every effort is made to provide patient-centered care, involving the total
effects of family, living, employment and environmental conditions on the patient.

The current patient load in the module is approximately 25 patients a day, he said.

Student training in the module includes second-year osteopathic medical students just
beginning clinical experience in the Preceptor Program, and third-year medical students
on two-week electives and on eight-week Unit III family medicine ambulatory care electives.

Referrals are handled within the Clinical Center, with most faculty on the staff of Lansing
General Hospital or Ingham Medical Center when patients require hospitalization.

Appointments may be made at the Clinical Center Primary Care Unit by calling 353-3012.
FAMILY MEDICINE AT INGHAM MEDICAL CENTER
USES PATIENT EDUCATION, PROTOCOL SYSTEM

Patient education and the use of protocol systems for treatment are emphasized at the Family Medicine Clinic administered by MSU-COM's Department of Family Medicine at the Ingham Professional Building.

Under the direction of James Davis, D.O., associate professor of family medicine, the primary care clinic serves 30 patients each day. Facilities have been expanded to include eight treatment rooms as of September 1, said Lynn Brumm, chairman of the Department of Family Medicine.

Clinic staff emphasize the importance of patient education and responsibility in health care, as well as the use of protocol systems for the ten most common diagnoses, which include hypertension, diabetes, well-patient examinations, urinary tract infections, and somatic dysfunctions.

Using these protocols, rigid guidelines to be followed by students for minimal care, second-year osteopathic medical students participate in the clinic in the afternoons, and students taking electives in family medicine are present in the mornings. Unit III students enrolled in the family medicine ambulatory care elective also work in the clinic.

Persons desiring an appointment should call 374-2388. The fall schedule is:

| Mondays  | AM,PM | James Davis, D.O., professor
| T.B. Lillie, D.O., assistant professor |
| Tuesdays | AM    | Donald Waite, D.O., professor
|          | PM    | Joanne Grzeszak Shaltz, D.O., assistant clinical professor
|          |       | Waite; Margaret Ajunwa, D.O., assistant professor
| Wednesdays | AM,PM | Davis; Shaltz |
| Thursdays | AM    | Waite; John Gobel, D.O., assistant professor osteopathic medicine
|          | PM    | Waite; Richard E. Griffin, D.O., professor |
| Fridays   | AM,PM | Shaltz; Gary Campbell, D.O., associate professor |

* * * * *

CLINIC AT STATE PRISON AT JACKSON
STAFFED BY DEPARTMENT OF FAMILY MEDICINE

A clinic for some of the 7,000 residents of the State Prison of Southern Michigan at Jackson was begun by the Department of Family Medicine September 1.

Richard E. Griffin, D.O., professor of family medicine, who has 15 years experience with prison health in Colorado, and Jasper Lillie, D.O., a member of MSU-COM's first graduating class, are staff physicians for the clinic.

Each is working three days a week at the prison in addition to their regular academic assignments.

Unit II, and in the near future, Unit III students will conduct history and physical examinations on present and incoming prison residents.

The program is funded by a grant from the Michigan State Department of Corrections.
ADULT HEALTH SERVICES, FAMILY PLANNING OFFERED
BY FAMILY MEDICINE PHYSICIANS

Primary care services for adult patients are offered six half-days each week by John Bell, D.O., associate professor of family medicine, at Community Health Services.

The clinic, run under the auspices of the Ingham County Health Department, is located at Medical Center West, 701 N. Logan, Lansing.

In addition, Joanne Grzeszak Shaltz, assistant clinical professor of family medicine, is working in the Family Planning and Prenatal section of the medical center.

Both second- and third-year osteopathic medical students are trained in the clinics, with 15 working with Bell during summer term alone.

MSU-COM PHYSICIAN AND STUDENTS SERVE AT
COUNTY VENEREAL DISEASE CLINIC

A significant portion of the cases of gonorrhea and syphilis found in Ingham County are discovered through the work of the venereal disease clinic partially staffed by the College of Osteopathic Medicine.

Under the direction of John Bell, D.O., associate professor of family medicine, and Max Cook, M.D., medical director of the Ingham County Health Department, the clinic handles more than 600 patient visits each month.

Work at the clinic includes examination, treatment, some laboratory procedures, counseling and investigation of sexual contacts of positive cases, Bell said.

Numbers are assigned to each of the patients, who usually range from 15 to 30 years of age, to protect their anonymity. An equal number of men and women utilize the clinic.

Patient education is emphasized, with stress placed on the possible complications of untreated venereal infection and the importance of treatment for all sexual contacts.

Clinic staff have also prepared an educational unit, including texts, for use in seventh through twelfth grades, and are on call to make presentations at all Ingham County schools.

Second- and third-year students from the College of Osteopathic Medicine are trained and assist with examinations at the clinic.

For further information on clinic services or the clinic schedule, phone 517-482-1408 from 8 a.m. to 5 p.m. Mondays through Fridays.
PEDIATRIC CLINICAL PROGRAMS STRONGLY EMPHASIZED
AT MSU COLLEGE OF OSTEOPATHIC MEDICINE

Health programs for children — ranging in scope from specialty care at the Clinical Center to in-school sports physicals — are being conducted by the Department of Pediatrics under the direction of Bernard M. Kay, D.O., chairman.

MSU Clinical Center

More than 400 patient visits each month — both pediatric primary and specialty care — are handled eight half-days each week by physicians at the Clinical Center.

The clinic, which is receiving referrals from around the state, also maintains an on-call schedule for all patients.

Educational programs in the clinic include second- and third-year students from the College of Osteopathic Medicine and residents in pediatrics.

Appointments with or referrals to individuals or the group at the Clinical Center can be made by calling 517-353-3012 from 8 a.m. to 5 p.m. weekdays. Emergency calls on nights and weekends may be made to 517-353-4988. Reports will be sent to the referring physicians.

Well-baby examinations to preserve the health of young patients are stressed by MSU's Department of Pediatrics. Here (L to R) students June Hillelson and Joyce Richards assist Kenneth Mahoney, D.O., associate professor, at the Clinical Center.
The schedule of physicians in the first-floor pediatrics module includes:

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<tr>
<th>Day</th>
<th>Morning</th>
<th>Afternoon</th>
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<tbody>
<tr>
<td>Mondays</td>
<td>morning</td>
<td>Frank Schneiderman, D.O., professor of pediatrics</td>
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<tr>
<td></td>
<td>afternoon</td>
<td>Bernard Kay, D.O., professor and chairman of pediatrics</td>
</tr>
<tr>
<td>Tuesdays</td>
<td>morning</td>
<td>Kenneth Stringer, D.O., assistant professor of pediatrics</td>
</tr>
<tr>
<td></td>
<td>afternoon</td>
<td>Kenneth Mahoney, D.O., associate professor of pediatrics</td>
</tr>
<tr>
<td>Wednesdays</td>
<td>afternoon</td>
<td>Kenneth Mahoney, D.O.</td>
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<tr>
<td>Thursdays</td>
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<td>Bernard Kay, D.O.</td>
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<tr>
<td>Fridays</td>
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</tr>
<tr>
<td></td>
<td>afternoon</td>
<td>Kenneth Stringer, D.O.</td>
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</table>

Child Health Services

Physicians from MSU's Department of Pediatrics are stressing health maintenance and continuity of care for children in special clinics sponsored by the Ingham County Health Department.

The clinics are held at Community Health Services, a large social services unit, located at 701 N. Logan, Lansing.

All departmental faculty, residents, interns and osteopathic medical students work at the clinic, staffing it six half-days a week year-round.

A unique facet of the program is the care for the more than 500 children who are wards of the Ingham County Probate Court, providing greater continuity of services. The program was recently recognized with a national award from the National Association of Counties.

College of Osteopathic Medicine personnel are also involved with maternal and infant care, pre-school screening physicals, and work with learning-disabled children at the clinic.

Bernard Kay, D.O., chairman of MSU's Department of Pediatrics, explains an examination procedure to a young patient.
The Child Health Services clinic schedule includes:

- **Mondays** afternoons: **Lloyd Schneiderman, D.O.,** professor of pediatrics
- **Tuesdays** mornings: **Bernard Kay, D.O.,** professor and chairman of pediatrics
- **Wednesdays** mornings: **Lloyd Schneiderman, D.O.**
  afternoons: **Kenneth Stringer, D.O.**
- **Thursdays** afternoons: **Lloyd Schneiderman, D.O.**
- **Fridays** mornings: **Kenneth Mahoney, D.O.,** associate professor of pediatrics

**Sports Physicals Program**

More than 1,000 junior and senior high school students from Bath, Dansville, Corunna and Ovid-Elsie schools are evaluated each summer by pediatricians from MSU's Department of Pediatrics.

The students — both boys and girls — are given physicals to determine their fitness for participation in both intramural and extramural athletics.

Provided with the assistance of second-year osteopathic medical students, the examinations are conducted by all faculty in the department. Evaluations include social and behavioral aspects and specific histories of athletic involvements.

The program is held in conjunction with a five-year pilot study on growth and development and athletic-related injuries conducted by Richard Redfearn, Ph.D., of the Department of Osteopathic Medicine. Preliminary results of the research were published by Redfearn and **Bernard Kay, D.O.,** professor and chairman, in the May 1979 issue of Osteopathic Medicine.

The schools involved are in three Michigan counties — Ingham, Shiawassee and Clinton counties.

**Learning Disabilities Clinic**

Assessment of children having academic, emotional or social difficulties in school is done one half-day each week by **Lloyd Schneiderman, D.O.,** professor of pediatrics.

Working one quadrant of the Lansing School District each week, Schneiderman and third-year osteopathic medical students provide evaluation services for approximately three children during each visit.

Every effort is made to provide a total assessment for each child, and to coordinate their care with referrals for medical care, social services, psychiatric evaluation or learning disabilities.

The children are originally identified by teachers or school nurses as having difficulties at school.
INTERNAL MEDICINE

Clinics in internal medicine are offered through the Department of Osteopathic Medicine by assistant professor John Gobel, D.O., vice chairman of the Department of Medicine at Ingham Medical Center (IMC) and by John Costantino, D.O., assistant professor.

Approximately eight patients per day are seen by Gobel in clinics held two half-days a week at the Clinical Center and Thursday mornings at IMC.

Constantino is conducting both nephrology and internal medicine clinics at the Clinical Center.

Patients are referred to the clinics with complaints which commonly include hypertension, diabetes and angina pectoris.

Periodically Unit III students rotate through the internal medicine service. Gobel is also available for consultation and takes call at IMC's emergency room.

OBSTETRICS AND GYNECOLOGY

Specialty care in obstetrics and gynecology is offered Monday, Wednesday and Thursday afternoons at the Clinical Center by Joseph Walczak, D.O., associate professor in the Department of Osteopathic Medicine.

Advanced techniques such as colposcopy, cryotherapy, and laser are performed at the clinic, which serves approximately 15 to 20 patients each day.

Students and occasionally interns will be assigned to the clinic, Walczak said.

In addition, second-year students go through a 24-hour rotation of observing obstetrical patients at Lansing and Battle Creek hospitals as part of the growth and development curricular segment, which includes Ob-Gyn, neonatology and pediatrics.

CARDIOLOGY CLINIC

A clinic for cardiology patients is conducted one half-day each week by George Kleiber, D.O., clinical associate professor of cardiology in the Department of Osteopathic Medicine.

The clinic is held in the specialty care module in the Clinical Center.

Kleiber also maintains a practice in cardiology at Ingham Medical Center.
NEUROLOGY, NEUROSURGERY PROGRAMS

Neurological problems — headache, pain syndromes, trauma to the head and spinal cord, multiple sclerosis, muscular dystrophy, Parkinson's disease, stroke and epilepsy — are treated through the Divisions of Neurology and Neurosurgery in the Department of Osteopathic Medicine.

Physicians practicing in the program are neurologist George Ristow, D.O., associate professor, and neurosurgeon Earl Gonyaw, D.O., professor.

Working three or four-days a week in the specialty care module on the first floor of the Clinical Center, the physicians care for both ambulatory patients and those confined to local hospitals. The outpatient load includes 12 to 16 new patients and 10 to 15 repeat visits weekly, Ristow said.

All appointments are by referrals, which are coming from across the state.

Educational programs include Unit III students on rotation, half-time interns from Lansing General Hospital, and residents in medicine, psychiatry and pediatrics.

BIOMECHANICS REFERRAL CLINIC

Consultation on patients with musculo-skeletal problems such as back pain or peripheral neurites are handled by four osteopathic physicians from the Department of Biomechanics.

Working one afternoon a week in the Biomechanics Referral Clinic in MSU's Clinical Center are Myron Beal, D.O., professor, Mondays; William L. Johnston, D.O., professor, Tuesdays; Fred L. Mitchell Jr., D.O., professor, Wednesdays; and John P. Goodridge, D.O., professor, Fridays.

In addition to clinical service, the referral clinic was originally developed to create a patient base for teaching and research in the department.

The faculty are active in educating post-doctoral students, visiting clinicians, graduate assistants, and residents, as well as participating in the undergraduate sequence in osteopathic examination.

John P. Goodridge, D.O.
Biomechanics Referral Clinic physician